AGENDA
MIDWEST RELIABILITY ORGANIZATION
Standards Committee
November 10, 2005 – 10:00 am
St. Paul Conference Center

1. **Welcome** – Larry Larson
   a. Determination of Quorum
   b. Agenda Additions

2. **Review Policy and Procedure 4** – Larry Larson
   Policy and Procedure 4 outlines the member responsibilities and provisions of the policy, along with the Standards of Conduct and Anti-trust Guidelines which must be presented before each meeting of MRO committees, subcommittees, and other working groups.

3. **Consent Agenda** – Larry Larson
   a. Approve Meeting Minutes
      i. August 25, 2005
      ii. October 26, 2005 Conference Call

   b. Approve 2006 Meeting Schedule
      i. March 9, 2006
      ii. May 25, 2006
      iii. August 24, 2006
      iv. November 2, 2006

4. **Chairman Report** – Larry Larson
   a. NERC OC Report
   b. 2006 Budget Information

5. **NSRS Report** – Darrick Moe (written report)

6. **Standards Manager Report** – Ben Deutsch
   a. Standards Development
   b. Business Practices
      Action: Adopt business practices
   c. RSVP development
   d. NERC Approved Standards Review (Placeholder pending NERC action)
      Action: Possible recommendation to MRO BOD

7. **NERC Phase III – IV Standards (Set 1) and Impacts to MRO** – Larry Larson
   a. Phase III-IV Set 1 Implementation Plan
   b. Revised Regional Requirements

8. **MAIN Transition into the MRO** – Ben Deutsch
   a. Procedures, Policies, Standards Webpage
   b. Activities Worksheet (meeting handout)

9. **NERC Representative Nominations**
   a. Candidate Review
   b. **Action:** Develop and recommend a slate of candidates to the MRO BOD

10. NERC Representative Reports

a. St*andards Evaluation Subcommittee Report*- Ron Mazur
b. *Interchange Subcommittee* – Al Boesch
c. *Planning Standards Task Force* – Greg Pieper (No meetings scheduled)
d. *Resources Subcommittee* – Alan Oneal (No meetings scheduled)
e. *Transmission Subcommittee* – Darrick Moe (No meetings scheduled)
f. *Resource Issues Subcommittee* – Bill Head (No meetings scheduled)
g. *Compliance and Certification Committee* - Gerry Steffens

11. NERC Drafting Team Reports

a. *Coordinated Interchange*
b. *Certification* – Al Boesch
c. *System Personnel* – Earl Cass
d. *NERC Cyber Security* – Greg Frazier (No meetings scheduled)
e. *Assess Transmission Future Needs and Develop Transmission Plans* SAR – Tom Mielnik
f. *Provide Missing Measures and Compliance Elements in Existing Standards* – Ben Deutsch (No meetings scheduled)

12. Task List

13. Other Business

14. Meeting Schedule

a. *March 9, 2006* - St Paul Conference Center - 10:00am CDT
b. *May 25, 2006* – St Paul Conference Center – 10:00 am CDT
c. *August 24, 2006* – St Paul Conference Center – 10:00 am CDT
d. *November 2, 2006* – St Paul Conference Center – 10:00 am CDT

15. Adjourn

Agenda 1.
Welcome

Agenda 1.a.
Determination of Quorum

MRO Standards Committee
Roster

Name	Sector	Member	Term	Roll Call
Dave Acton	IOU>	ALT	Dec. 05	
Peter Burke	TSO	ATCo	Dec.07	
Dave Kempf	C	GRE	Dec. 05	
Gerry Steffens	MU	RPU	Dec. 06	
Al Boesch	C	NPPD	Dec. 07	
Larry Larson Chair	IOU<	OTP	Dec. 07	
Wayne Guttormson	CU	SPC	Dec. 06	
Lloyd Linke	FPMA	WAPA	Dec. 07	
Tim Noeldner	MU	WPPI	Dec. 05	
OPEN 2 years	GPM		Dec.06	
Ben Deutsch, Secretary		MRO		
Joe Knight, Alt. Secretary		MRO		

Agenda 1.b.
Additions to the Agenda

Agenda 2.
Review Policy and Procedure 4

Midwest Reliability Organization
Policy and Procedure 4: MRO and NERC Committee Membership Policy

Objective

The objective of this Policy and Procedure is to assure that the members of Midwest Reliability Organization (MRO) committees, subcommittees, and other working groups, including those individuals representing the MRO at NERC, operate in a fair and non-discriminatory manner which places the interests of the MRO and regional reliability at the highest level of consideration of matters.

Policy

Members of the MRO committees, subcommittees and other organizational working groups, including those individuals representing the MRO at NERC, should act in a fair and non-discriminatory manner in their discharge of responsibilities for maintaining regional reliability of the interconnected transmission system. Members must assure that the interests of regional reliability are the foremost interest in any committee, subcommittee, or other organizational working group.

Responsibilities

In furtherance of the above policy, guiding principles for member representative:

(1) This policy is not intended to exclude the advocacy of sector interests. The MRO encourages the involvement of sector representation within its diverse membership to nurture balanced and fair judgments and practices. Committees, subcommittees, task forces, and other working groups within the MRO are also expected to exercise authority consistent with the purposes of the MRO as directed by the MRO Board.

(2) At NERC meetings, the MRO representative should address issues from an MRO perspective and strive to be prepared prior to any NERC meeting on the MRO positions on key matters.
   a. For NERC Stakeholder and Board of Trustee matters, the President and/or Chair should be consulted.
   b. For other NERC standing committees or other NERC organizational working groups, the appropriate MRO chair or committee secretary should be contacted.

Provisions

(1) Each meeting of a MRO committee, subcommittee or other organizational working group must include an “anti-trust compliance guideline” (Appendix 4-1).

(2) For individuals representing the MRO at NERC meetings and functions, the individual should provide a brief report, which includes the following:
   - Actions taken by the NERC Body.
   - Direction provided by the MRO organizational working group or committee.
   - Anticipated future actions by the NERC Body.

   Please refer to Appendix 4-2 NERC Report, which may be used for this purpose. *For expense reimbursements, please refer to Policy 2-Expense Reimbursements.*

MIDWEST RELIABILITY ORGANIZATION ANTITRUST and STANDARDS OF CONDUCT GUIDELINES

I. GENERAL

It is the MRO's policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or that might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition.

It is the responsibility of every MRO participant and employee who may in any way affect MRO's compliance with the antitrust laws to carry out this commitment.

Antitrust laws are complex and subject to court interpretation that can vary over time and from one court to another. The purpose of these guidelines is to alert MRO participants and employees to potential antitrust problems and to set forth policies to be followed with respect to activities that may involve antitrust considerations. In some instances, the MRO policy contained in these guidelines is stricter than the applicable antitrust laws. Any MRO participant or employee who is uncertain about the legal ramifications of a particular course of conduct or who has doubts or concerns about whether MRO's antitrust compliance policy is implicated in any situation should consult the MRO President or the MRO's counsel.

II. PROHIBITIED ACTIVITIES

Participants in MRO activities (including those of its subcommittees and subgroups) should refrain from the following when acting in their capacity as participants in MRO activities (e.g. at MRO meetings, conference calls and in informal discussions):

- Discussions involving pricing information, especially margin (profit) and internal cost information and participants' expectations as to their future prices or internal costs.
- Discussions of a participant's marketing strategies.
- Discussions regarding how customers and geographical areas are to be divided among competitors.
- Discussions concerning the exclusion of competitors from markets.
- Discussions concerning boycotting or group refusals to deal with competitors, vendors or suppliers.

III. ACTIVITIES THAT ARE PERMITTED

From time to time decisions or actions of NERC (including those of its committees and subgroups) may have a negative impact on particular entities and thus in that sense adversely impact competition. Decisions and actions by the MRO (including its committees and subgroups) should only be undertaken for the purpose of promoting and maintaining the reliability and adequacy of the bulk power system. If you do not have a legitimate purpose consistent with this objective for discussing a matter, please refrain from discussing the matter during meetings and in other related communications.

In addition, all discussions in MRO meetings and other MRO-related communications should be within the scope of the mandate for or assignment to the particular MRO committee or subgroup, as well as within the scope of the published agenda for the meeting.

No decisions should be made or any actions taken in MRO activities for the purpose of giving an industry participant or group of participants a competitive advantage over other participants. In particular, decisions with respect to setting, revising, or assessing compliance with MRO reliability standards should not be influenced by anti-competitive motivations.

Subject to the foregoing restrictions, participants in MRO activities may discuss:

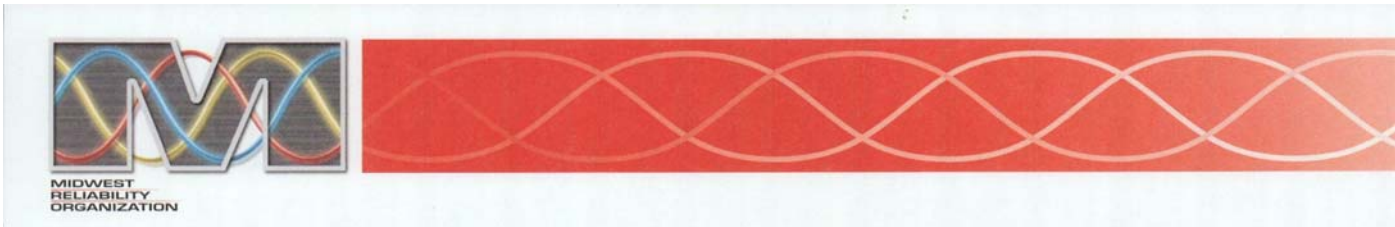
- Reliability matters relating to the bulk power system, including operation and planning matters such as establishing or revising reliability standards, special operating procedures, operating transfer capabilities, and plans for new facilities.

- Matters relating to the impact of reliability standards for the bulk power system on electricity markets, and the impact of electricity markets on the reliability of the bulk power system.

- Proposed filings or other communications with state or federal regulatory authorities or other governmental entities.

- Matters relating to the internal governance, management and operation of MRO, such as nominations for vacant committee positions, budgeting and assessments, and employment matters; and procedural matters such as planning and scheduling meeting.

Any other matters that do not clearly fall within these guidelines should be reviewed with MRO counsel or the MRO President before being discussed.



IV. Standards of Conduct

FERC Standards of Conduct prohibit MRO committee, subcommittee and task force members from sharing non-public transmission sensitive information with anyone who is either an affiliate merchant or could be a conduit of information to an affiliate merchant.

Transmission availability, capacity, maintenance or other operating or reliability information must not be shared with merchants through any method other than publicly, through the Open Access Same-Time Information System (OASIS). Some entities interconnected within MRO have signed a Confidential Data Access Agreement (CDAA) that includes names of employees who have been trained in FERC Standards of Conduct, understand the information sharing prohibitions, and are therefore authorized to receive non-public transmission sensitive information. MRO communications to interconnected entity employees may include non-public transmission sensitive information only if all such employees present are named on CDAA(s).

As the contractor for the MRO, MAPPCOR provides certain services to the MRO. In order to assist those MRO members either required by the Federal Energy Regulatory Commission (”Commission" or "FERC") to comply with, or who voluntarily adhere to, the Commission's Standards of Conduct as outlined in Order Nos. 2004, 2004-A, 2004-B, 2004-C, and 2004-D, Part 358 of the Commission’s Regulations, and other applicable Commission orders and decisions, MAPPCOR will conduct its business to conform with such Standards of Conduct. The obligations and responsibilities of MAPPCOR employees necessary to comply with FERC’s Standards of Conduct are set forth in the MAPPCOR Employee Handbook.

SAMPLE NERC REPRESENTATIVE REPORTING FORM

Date:

To: {Name of Midwest Reliability Organization working group or committee responsible for the activity/function}

From: {Name of MRO NERC Representative}

Re: NERC Report {Meeting NERC Body and Dates of Travel}

Summary of Actions Taken by {Name of NERC Body}

[Provide a summary of actions taken by the NERC Body at this meeting and any actions taken by the Body since your last report and the impact the NERC actions will have on MRO and its members.]

Summary of Direction Provided by {Name of MRO organizational working group or committee to whom this report is addressed}

[Provide a summary of the MRO position on the items considered by the NERC Body]

Next Steps

[Discuss anticipated future actions by the NERC Body and seek guidance from the MRO Body.]

Anti-trust Reminder

Participants in Midwest Reliability Organization meeting activities must refrain from the following when acting in their capacity as participants in Midwest Reliability Organization activities (i.e. meetings, conference calls, and informal discussions):

- Discussions involving pricing information; and
- Discussions of a participant's marketing strategies; and
- Discussions regarding how customers and geographical areas are to be divided among competitors; and
- Discussions concerning the exclusion of competitors from markets; and
- Discussions concerning boycotting or group refusals to deal with competitors, vendors, or suppliers.

Standards of Conduct Reminder

FERC Standards of Conduct prohibit MRO staff, committee, subcommittee and task force members from sharing non-public transmission sensitive information with anyone who is either an affiliate merchant or could be a conduit of information to an affiliate merchant.

Agenda 3.

Consent Agenda

Agenda 3.a

Minutes

Agenda 3.a.i.

August 25, 2005 Draft Minutes

DRAFT MINUTES
MIDWEST RELIABILITY ORGANIZATION
Standards Committee
St. Paul Conference Center
August 25, 2005 – 10:00 AM

1. Welcome

Chairman Larson called the meeting of the Midwest Reliability Organization (MRO) Standards Committee (SC) to order at 10:00 am.

a. Determination of Quorum

The following members and guests were present:

Members:

Larry Larson, OTP, Chair	Lloyd Linke, WAPA, Vice Chair
Ben Deutsch, MRO, Secretary	Dave Acton, ALT
Bobbie Welch, ATC (alternate, via phone)	Jared Alholinna, GRE (alternate)
Gerry Steffens, RPU	Wayne Guttormson, SPC
Tim Noeldner, WPPI	

Guests:

Terry Bilke, MISO (via phone)	Ron Mazur - MH
Bruce Balmat, RFC (11:45 am)	Roberta Brown, RFC (via phone)
Darrick Moe, WAPA	Larry Brusseau, MRO
Babs Moses, MRO	

Absent:

Peter Burke, ATC	Dave Kempf, GRE
Al Boesch, NPPD	

b. Additions to the Agenda

i. Dan Skaar Presentation – added to Item 3
ii. Item 11 - NERC Updates moved after Item 4
iii. NERC voting added to Item 5

2. Review Policy and Procedure 4

Chairman Larson reviewed the Policy and Procedure 4 and presented the Standards of Conduct and Anti-trust Guidelines to the SC.

3. Remarks from the Chairman

a. Updates from MRO Board

b. Updates from NERC

Chairman Larson discussed the presentation by Mr. Dan Skaar, MRO.

4. Approval of Minutes

a. May 26, 2005 Meeting

Chairman Larson called for discussion of the May 26, 2005 minutes.

Upon motion duly made by Mr. Steffens and seconded by Mr. Noeldner, the Midwest Reliability Organization Standards Committee approved the minutes, as amended, of the May 26, 2005 meeting.

b. July 11, 2005 Conference Call

Chairman Larson called for discussion of the July 11, 2005 minutes.

Upon motion duly made by Mr. Linke and seconded by Mr. Steffens, the Midwest Reliability Organization Standards Committee approved the minutes of the July 11, 2005 meeting.

c. July 21, 2005 Special Meeting

Chairman Larson called for discussion of the July 21, 2005 minutes.

Upon motion duly made by Mr. Linke and seconded by Mr. Steffens, the Midwest Reliability Organization Standards Committee approved the minutes of the July 21, 2005 meeting.

5. MRO Nominations to NERC Committee

Chair Larson encouraged Standards Committee members to submit their names.

Action Item: A conference call of the Standards Committee is scheduled for Thursday, October 27, 1:30 – 3:00 pm Central to vote on NERC Representatives.

11. NERC Reports (*Note: Limited NERC meetings have taken place.*)

a. Standards Evaluation Subcommittee Report – Ron Mazur

Mr. Mazur discussed his report which is attached as Exhibit #1.

b. Interchange Subcommittee – Al Boesch

The Committee was referred to the report in the agenda.

c. Planning Standards Task Force – Greg Pieper

No report.

d. Resources Subcommittee – Alan Oneal

Mr. Oneal's report, attached as Exhibit #2, was distributed to the committee.

e. Transmission Subcommittee – Darrick Moe

Mr. Moe discussed his report.

f. Resource Issues Subcommittee – Bill Head, MRO

No report.

g. Certification and Compliance Committee update – Gerry Steffens
Mr. Steffens reported there have been no meetings.

h. NERC Drafting Team Members for MRO Region
There is no master list of NERC Drafting Team members. Mr. Deutsch is pursuing finding out who is on the various drafting teams in addition to Mr. Boesch. Joe Knight-MRO is looking into having NSRS members on the mailing list for conference calls.

Action Item: MRO NERC Representatives will be added to the Standards Member email list.

Comment: I think this sentance should read:"Joe Knight, NSRS Secretary, reviews the membership of NERC Standard Drafting Teams prior to NSRS conference calls that are held to review draft NERC standards. If MRO members are present on the Standard Drafting Team, Mr. Knight invites them to participate in the applicable NSRS conference call."

5. Standards Process Manager's Report

a. Augmentation Standards Status
Mr. Deutsch reported there are currently five posted standards out for comment. The commenting period ends Saturday, August 27, 2005.

i. Drafting Team Status
ii. Summary of Drafting Team Actions

Action Item: The Standards Committee requests that comments be posted as they are received in order to keep the commenting process open to everyone. Mr. Deutsch was requested to have staff implement this decision in the RSVP software as soon as possible.

b. SAR Postings
Standards Process Modifications
The software is being changed to allow people to register for commenting only instead of the current process which includes voting rights. The new list will be very clear on who is eligible for voting.

Upon motion duly made by Mr. Steffens and seconded by Linke, the Midwest Reliability Organization Standards Committee recommendations the current drafting team become the Standards Process Manual Revision Drafting Team and approves allowing additions to the current team as needed . The primary point of contact for this team will be Mr. Deutsch.

c. Ballot Pool Registration
RSVP is up and running with approximately 25 companies and 50 individuals, excluding staff, registered. Balloting software will be available in early October.

d. MRO Standards Process Software Status Report
i. Ballot Body Registration
ii. Business Rules

Action item: Mr. Deutsch will present possible business practices for the Standards Committee to review for adoption at the next meeting.

e. Transition to MRO Standards and Procedures.
Mr. Deutsch presented the Discussion Paper on Transition.

Action Item: Mr. Deutsch will clarify the transition process for MAIN with Mr. Daniel Skaar-MRO.

6. Procedures Assignments

a. Under Frequency Load Shedding

b. Disturbance Monitoring Equipment Locations

c. MAPP Members Reliability Criteria and Study Procedures Manual
Chairman Larson reported that the following items were removed from the Reliability Assessment Committee (RAC) and returned to the Compliance Committee: FAC-001-0, MOD-018-0, PRC-005-0, PRC-007-0, PRC-011-0, PRC-014-0. VAR-0011 was removed from the list The RAC is available for technical review. Reliability Assessment Committee will have oversight of MAPP Members Reliability Criteria and Study Procedures Manual.

The Committee recessed at 12:00 pm and reconvened at 1:00 pm.

7. Reliability First Corporation (RFC) update
Mr. Bruce Balmat presented an update which is attached as Exhibit # 3. There are two web sites that contain membership materials, agendas and minutes: www.rfirst.org and www.reliabilityfirst.com.

8. MRO Voting Procedures Discussion on NERC Issues
Chair Larson led discussion on voting procedures.

Action item: Mr. Larson will discuss adding this to the MRO BOD agenda with Mr. Head.

9. Reliability Handbook Discussion
Mr. Deutsch led discussion on the Reliability Handbook.

10. NSRS Action Item Requests – Darrick Moe

a. Current Activities Status
Mr. Moe- reviewed his report as submitted in the agenda.

b. Approve Wording Changes to NSRS Scope Document
Chairman Larson led discussion on the document.

By consensus, the Midwest Reliability Organization Standards Committee approved the wording changes to the NSRS Scope document with the exception of Item 8.

Action item: The subcommittee was asked to consider adding an additional item to list the major issues affecting MRO members and a recommendation on how to vote. Mr. Larson will discuss this with Mr Head. In addition, the NSRS was requested to review this item and incorporate it into their scope document for the next meeting.

c. Increase Size of NSRS Subcommittee.

By unanimous consent, the Midwest Reliability Organization Standards Committee approved expanding NERC Standards Review Subcommittee (NSRS) to include an additional five members whose selection would encourage diversity of sector representation.

Mr. Knight will work with Mr. Moe in soliciting new members.

6. Review 2005 Activities List

Chairman Larson encouraged members to review the list in the agenda and continue to address these issues as applicable.

7. Other Business

a. Preliminary Budget Discussion

Mr. Deutsch presented a draft budget, which is attached as Exhibit #4. NERC Representatives and member travel expenses are not included as they are covered elsewhere in the MRO budget.

b. Tentative 2006 Calendar

After the BOD confirms 2006 meeting dates, other meeting dates will be defined. The schedule will be similar to 2005.

8. Next meetings

a. October 27, 2005, 1:30 – 3:00 pm CDT, Conference Call
b. November 10, 2005, 10:00am CDT, St Paul Conference Center

9. Adjourn

Having no further business, Chair Larson adjourned the meeting of the Midwest Reliability Organization Standards Committee at 2:51 pm.

Prepared by:
Babs Moses, MAPPCOR
Administrative Assistant

Reviewed and submitted by:
Ben Deutsch, Secretary
Midwest Reliability Organization Standards Committee

Agenda 3.a.ii.

October 26, 2005 Draft Minutes

DRAFT MINUTES
MIDWEST RELIABILITY ORGANIZATION
Standards Committee
October 26, 2005 3:00 PM – 4:30 PM
Conference Call

1. Welcome – Larry Larson

Chair Larry Larson called the Standards Committee conference call to order at 3:00 p.m. Secretary Deutsch called roll and determined that there was a quorum. The following members and guests were present for all or part of the call.

a. Determination of Quorum

Members:

Larry Larson, OTP, Chair
Dave Acton, ALT
Wayne Guttormson, SPC
Darrick Moe, WAPA (representing Lloyd Linke)
Tim Noeldner, WPPI
Peter Burke, ATCo
Ben Deutsch, MRO, Secretary

Guests:

Jenny Rowan, MRO
Ken Kuyper, CBPC

b. Agenda Additions

Chair Larson called for any additions or modifications to the agenda. Hearing none, the meeting commenced.

2. Review Policy and Procedure 4
Policy and Procedure 4 outlines the member responsibilities and provisions of the policy, along with the Standards of Conduct and Anti-trust Guidelines which must be presented before each meeting of MRO committees, subcommittees, and other working groups.

3. Consent Agenda
a. No Items

4. NSRS Scope Document - Larry Larson

Action Item: Adopt/Approve NSRS Scope document revisions

Motion
A motion was made by Tim Noeldner and seconded by Wayne Guttormson that the Standards Committee accept the revise NSRS scope document as amended during the meeting. The motion was approved by voice vote.

5. NSRS Committee Membership Recommendation – Larry Larson

Action Item: Approve NSRS Committee nominations

Motion
A motion was made by Darrick Moe and seconded by Tim Noeldner that the Standards Committee accept the three nominations (Richard Pursley, Dave Rudolph, Pam Oreschnick) to the NSRS Committee. The motion was approved by voice vote.

6. Review Draft Reliability Plan Guideline Comments

Action Item: Accept data request comments for submission to NERC

Chair Larson asked Mr. Deutsch to review the comments to the Reliability Plan Guidelines, which were viewed by all members via web conference. Several additional comments were made, which will be compiled and distributed to the committee members for review on Thursday, October 27, 2005. Any final comments will be due by the close of business on Friday, October 28. The final comments will then be submitted to NERC prior to the deadline on Tuesday, November 1.

7. Other Business

Chair Larson reminded members to submit agenda items and materials for the November 10, 2005 Standards Committee meeting.

8. Next meeting

a. Nov 10, 2005 - St Paul Conference Center - 10:00 am CDT
b. March 9, 2006 – St Paul Conference Center – 10:00 am CDT
c. May 25, 2006 – St Paul Conference Center – 10:00 am CDT
d. August 24, 2006 – St Paul Conference Center – 10:00 am CDT
e. November 2, 2006 – St Paul Conference Center – 10:00 am CDT

9. Adjourn
The Standards Committee conference call adjourned at 4:33 p.m.

Prepared by:
Jenny Rowan, MRO
Administrative Assistant

Reviewed and Submitted by:
Ben Deutsch, Secretary
Standards Committee

Agenda 3.b.

Approve 2006 Meeting Schedule

- March 9, 2006 – St Paul Conference Center – 10:00 am CDT
- May 25, 2006 – St Paul Conference Center – 10:00 am CDT
- August 24, 2006 – St Paul Conference Center – 10:00 am CDT
- November 2, 2006 – St Paul Conference Center – 10:00 am CDT

Agenda 4.

Chairman's Report

Agenda 4.a.

NERC OC Report

Date: September 19, 2005

To: MRO Board of Directors

From: Larry Larson

Re: NERC OC report for September 14&15, 2005 meeting

Summary of Actions Taken by NERC OC

The updated Flowgate Management and Geomagnetic Disturbance Reference Documents were approved as part of the consent agenda. The changes were mostly to incorporate the version 0 standard references and functional model terminology.

The Interchange Subcommittee will be cataloging all dynamic transfers to check that they are modeled correctly. This is a follow-up item from the August 14, 2003 blackout report, which found incorrect tagging of dynamic schedules.

The rewritten Organization and Procedures Manual for NERC Standing Committees was approved. The subcommittee representation is changed to provide one representative from each region.

The Resources Subcommittee is writing a SAR to transfer pseudo ties and dynamic schedules in ACE, inadvertent payback and time error correction business practices to NERC reliability standards. They are also planning to add automatic time error correction for the Eastern interconnection, operating reserve requirements, frequency response requirements and turbine generator governor requirements.

There have been problems checking out inadvertent energy in ECAR, MRO, and MAIN because of discrepancies with MISO.

MISO reported on the problem during the August 14, 2005 frequency excursion to 59.04 Hz at 8:37. CAISO reported on an event that resulted in a 1700 MW load reduction on August 25, 2005.

The ERO transition was discussed. NERC will comment on the FERC NOPR by October 7. NERC expects to submit an application along with the reliability standards and RRO applications around March 2006.

The OC voted to support the recommendations of the RCWG, ORS and the Joint TLR Subcommittee and not pursue options 3 and 3a (redispatch) for IDC granularity and asked the ORS to address option 1 (adding zones) and other ways to improve the accuracy of the existing IDC calculations.

The Best Practices Task Force was asked to better define best practices and the process to determine best practices.

There was a discussion on the regional reliability plans. The Functional Model Working Group would like input from the regions on the plan guidelines and task delegation by November 1.

The field test of the balancing standards started on July 6 and is going well. Smaller BAs (<2500 MW) are still needed to participate.

The reliably plans for FRCC, VACAR, SPP, ERCOT and NPCC were all approved. New Brunswick System Operator has been audited as a Reliability Coordinator and no major problems were found.

Next Steps

The MRO needs to respond to the Reliability Plan Guide and Declaration questions by November 1.

Agenda 4.b.

2006 Budget Information

Agenda 5.

NSRS Report

Status Report Regarding the NERC Standards Review Subcommittee (NSRS)

Provided for the MRO Standards Committee
Nov, 2005

Since the August MRO SC meeting, the NSRS has submitted comments on behalf of the MRO on the following NERC SARs and Standards that were out for comment:

- ATC/TTC/AFC and CBM/TRM Revisions SAR
- Coordinate Operations Implementation Plan
- Transmission System Vegetation Management Standard, Final Draft
- Reliability Coordinator Certification Organizational Standard, Draft 2
- Transmission Operator Certification Organizational Standard, Draft 3
- Balancing Authority Certification Organizational Standard, Draft 4
- Phase III/IV Planning Standards, Standard Draft 2 of Set 1
- Coordinate Interchange, Standard Draft 2, INT-005-1

At the time of this submission, the NSRS is also in the process of developing comments for submission on the following NERC Standards out for comment:

- SPP Regional Difference for IRO-006-1

No NERC actions out for comment in this period were left uncovered by the NSRS, but an abbreviated process was used for the Organizational Standards in the above list, due to time constraints and workload issues. The committee has made use of e-mail communications and conference calls augmented by webEx to fulfill its tasks, and these formats seem to be working effectively.

At the previous SC meeting, the NSRS was directed to develop a process to provide guidance to the MRO in casting its vote on NERC balloted standards. As a result, the NSRS revised its scope and process document to provide for a process of reviewing and providing comments on the NERC standards at the ballot stage. It is anticipated that the SC will approve this process during its Oct 26 conference call; Larry Larson has directed the NSRS to begin operations under this process effectively as of 10/14/2005.

During its August meeting, the SC approved the expansion of the NSRS to 15 members. At this time, the NSRS has received nominations from 3 individuals. It is expected that the SC will accept these nominations during their conference call on October 26. The NSRS will continue to look for additional members in an effort to fulfill the goal of 15 members.

Respectfully Submitted,
Darrick Moe, NSRS Chair
Oct 17, 2005

Agenda 6.

Standards Manager's Report

Agenda 6.a.

Standards Development

October 28, 2005
Respectfully Submitted to the Standards Committee - November 10, 2005

Standards Development Report

1) MRO-MAIN Augmentation Drafting Team

- The first commenting period closed on August 27, 2005. There were many excellent comments received from the Registered Ballot Body.

- The Drafting Team reviewed all comments received (electronically and via email) and prepared responses. The 5 proposed standards were modified based on the comments received.

- The revised proposed standards were reposted for public comment on October 4 and the commenting period remains open until November 18, 2005. To date no additional comments have been received.

2) MRO Standards Process Manual Drafting Team

- Drafting Team was formed on August 25, 2005

- Staff prepared a draft revision for review by the Drafting Team. This activity was completed on October 27, 2005

- The Drafting Team agreed that the proposed revised MRO standards process manual should be posted for public comment. This action is expected to take place on November 1, 2005.

3) RFC Interaction

- Staff working with the RFC to review proposed RFC standards to determine compatibility with the MRO standards

Agenda 6.b.

Business Practices

October 26, 2005
Reference Manual: MRO Standards Process Manual 09/29/04

RSVP Business Practices Recommendation

1) To submit comments to a proposed SAR or Standard the individual must register and be accepted into the Registered Ballot Body.

    - Page 7, Ballot Body, Bullet 1 clarification

2) Each entity may have only one voting member within each segment that the entity is eligible to participate in

    - Page 7, Ballot Body, Bullet 3 clarification

3) Registered Ballot Body comments will be displayed during the Public commenting period.

    - Standards Committee action at the August 25, 2005 meeting

4) Load Serving Entities (LSE) that are also a Transmission Dependent Utility (TDU) may participate in both Segments 3 and 6

    - Page 29, Segment 6 Electricity End Users clarification

Agenda 6.c.

RSVP Development

October 28, 2005
Respectfully Submitted to the Standards Committee - November 10, 2005

RSVP Development Report

1) Development Activities

- Balloting software development has been completed and released to staff for internal testing.
- Development work on SAR creation nearing completion.
- Commenting modifications, as requested by the Standards Committee, completed and in service for the second commenting period.
- Expanded Forum capabilities created and implemented with the second public posting period to enhance Q&A during the commenting period between Registered Ballot Body members.
- All initial development work is expected to be completed by December 1, 2005.

2) RFC Service and Support Activities

- RFC has agreed to utilize the RSVP software on a trial basis while they are setting up operations. MRO will recover costs to setup RFC.
- Development and IT are supporting this effort.
- Joe Knight is acting as the RFC Standards Process Manager during this trial period.

3) NERC Information

- Staff made a presentation to Mark Ladrow, on Monday October 24, 2005 to update and demonstrate the RSVP software. Follow-up discussions are being planned.

Agenda 7.

NERC Phases III – IV Standards

Agenda 7.a.

Phase III-IV Set 1 Implementation Plan

Implementation Plan — Set One of Phase III & IV Reliability Standards

Effective Date

The following table shows the proposed effective dates for the standards in the 1st of 2 sets of Phase III & IV Standards. While one of these standards is proposed to become effective on April 1, 2006, several have phased-in effective dates that span several years. The effective date is contingent on stakeholder support during the second posting of the standards, followed by approval of the reliability standards by a vote of the ballot pool in December. The effective date is also contingent on adoption of these Standards by the NERC Board of Trustees. The Board will approve the final effective date when it adopts the standards for implementation. This subset of the Phase III & IV standards is tentatively scheduled for consideration by the Board on February 6, 2006.

Standard	Proposed Effective Date	Reason for Delay in Implementation
MOD-024 Verification of Generator Gross and Net Real Power Capability	4/1/2006 for RRO requirements By 7/1/2006, Generator Owners must begin to provide verified data according to the schedule set forth by the RRO.	Time needed for RRO to complete & distribute its procedures before GOW can become compliant
MOD-025 Verification of Reactive Power Capability	1/1/2007 for RRO requirements By 1/1/2008, Generator Owners must begin to provide verified data according to the schedule set forth by the RRO.	Time needed for RRO to complete & distribute its procedures before GOW can become compliant
PRC-002 Define Regional Disturbance Monitoring and Reporting Requirements	1/1/2007	Time needed to run studies to determine where to locate Disturbance Monitoring Equipment and to formalize documentation of reporting requirements
PRC-003 Regional Requirements for Transmission and Generation Protection System Misoperations	5/1/2006	Time needed to formalize documentation
PRC-004 Analysis and Mitigation of Transmission and Generation Protection System Misoperations	8/1/2006	Time needed to respond to Regional requirements for analysis of misoperations
PRC-005 Transmission and Generation Protection System Maintenance and Testing	5/1/2006	Time needed to respond to Regional requirements for maintenance and testing

PRC-018 Disturbance Monitoring Equipment Installation and Data Reporting	10/1/2007 for R2-R5 Compliance with R1: 25% compliant by 4/1/2008 50% compliant by 4/1/2009 75% compliant by 4/1/2010 100% compliant by 4/1/2011	R1 – Time needed to purchase and install DMEs phased in so that Generator Owners can take up to four years to install the DMEs R2 through R5 – Time needed to compile data on DMEs and to establish maintenance and testing programs
PRC-019 Coordination of Generator Voltage Regulator Controls with Unit Capabilities and Protection	1/1/2007 for R1 Compliance with R2, R3: 20% compliant by 1/1/2008 40% compliant by 1/1/2009 60% compliant by 1/1/2010 80% compliant by 1/1/2011 100% compliant by 1/1/2012	R1 – Time needed for RRO to identify generator exemption criteria R2, R3 – Time needed to produce documentation phased in so that Generator Owners can take up to 5 years to become fully compliant
PRC-020 Under-Voltage Load Shedding Program Database	5/1/2006	Time needed to formalize documentation
PRC-021 Under-Voltage Load Shedding Program Data	8/1/2006	Time needed to respond to Regional requirements for the database
PRC-022 Under-Voltage Load Shedding Program Performance	5/1/2006	Time needed to prepare to run simulations, to establish a format for reports and mitigation plans
VAR-004 (Now PRC-023) Generator Performance During Temporary Frequency and Voltage Excursions	1/1/2007 for R1 – R6 1/1/2008 for R7	Time needed for RRO to complete & distribute its procedures before facility owners can become compliant

Compliance with Phase III & IV Reliability Standards

Once the Phase III & IV Reliability Standards are effective, the responsible entities identified in each of the standards must comply with the requirements in that standard. The table in Appendix A maps all the Phase III & IV requirements to each applicable function in the Functional Model. Note that some Phase III & IV Reliability Standards are modifications of existing Version 0 Standards. Entities must continue to comply with all requirements in approved Version 0 Standards until the requirements in the approved Version 0 Standards are replaced or retired. For example, PRC-003-1 is a modification of Version 0's PRC-003-0. PRC-003-0 has two requirements for the Regional Reliability Organization. The Regional Reliability Organization is responsible for compliance with both of the requirements in PRC-003-0 until May 1, 2006 when PRC-003-1 will replace PRC-003-0.

Standard Number	Req. Number	BA	DP	GO	GOP	LSE	PA	PSE	RC	RP	RRO	RSG	TO	TOP	TP	TSP	NERC_Net
MOD-024-1	R 1.										RRO						
MOD-024-1	R 1.1										RRO						
MOD-024-1	R 1.2										RRO						
MOD-024-1	R 1.3										RRO						
MOD-024-1	R 1.4										RRO						
MOD-024-1	R 1.5										RRO						
MOD-024-1	R 1.5.1										RRO						
MOD-024-1	R 1.5.2										RRO						
MOD-024-1	R 1.5.3										RRO						
MOD-024-1	R 2.										RRO						
MOD-024-1	R 3			GO													
MOD-025-1	R 1.										RRO						
MOD-025-1	R 1.1										RRO						
MOD-025-1	R 1.2										RRO						
MOD-025-1	R 1.3										RRO						
MOD-025-1	R 1.4										RRO						
MOD-025-1	R 1.5										RRO						
MOD-025-1	R 1.5.1										RRO						
MOD-025-1	R 1.5.2										RRO						
MOD-025-1	R 1.5.3										RRO						
MOD-025-1	R 1.5.4										RRO						
MOD-025-1	R 2.										RRO						
MOD-025-1	R 3			GO													
PRC-002-1	R 1.										RRO						
PRC-002-1	R 1.1										RRO						
PRC-002-1	R 1.1.1										RRO						
PRC-002-1	R 1.1.2										RRO						
PRC-002-1	R 1.2										RRO						

Standard Number	Req. Number	BA	DP	GO	GOP	LSE	PA	PSE	RC	RP	RRO	RSG	TO	TOP	TP	TSP	NERC_Net
PRC-002-1	R 1.2.1										RRO						
PRC-002-1	R 1.2.2										RRO						
PRC-002-1	R 2.										RRO						
PRC-002-1	R 2.1										RRO						
PRC-002-1	R 2.1.1										RRO						
PRC-002-1	R 2.1.2										RRO						
PRC-002-1	R 2.1.3										RRO						
PRC-002-1	R 2.1.3.1										RRO						
PRC-002-1	R 2.1.3.2										RRO						
PRC-002-1	R 2.1.3.3										RRO						
PRC-002-1	R 2.1.3.4										RRO						
PRC-002-1	R 2.1.3.5										RRO						
PRC-002-1	R 2.2										RRO						
PRC-002-1	R 2.2.1										RRO						
PRC-002-1	R 2.2.2										RRO						
PRC-002-1	R 2.2.3										RRO						
PRC-002-1	R 2.2.4										RRO						
PRC-002-1	R 2.2.5										RRO						
PRC-002-1	R 3.										RRO						
PRC-002-1	R 3.1										RRO						
PRC-002-1	R 3.1.1										RRO						
PRC-002-1	R 3.1.2										RRO						
PRC-002-1	R 3.1.3										RRO						
PRC-002-1	R 3.1.3.1										RRO						
PRC-002-1	R 3.1.3.2										RRO						
PRC-002-1	R 3.2										RRO						
PRC-002-1	R 3.2.1										RRO						
PRC-002-1	R 3.2.2										RRO						

Standard Number	Req. Number	BA	DP	GO	GOP	LSE	PA	PSE	RC	RP	RRO	RSG	TO	TOP	TP	TSP	NERC_Net
PRC-002-1	R 3.2.3										RRO						
PRC-002-1	R 4.										RRO						
PRC-002-1	R 4.1										RRO						
PRC-002-1	R 4.2										RRO						
PRC-002-1	R 5.										RRO						
PRC-002-1	R 5.1										RRO						
PRC-002-1	R 5.2										RRO						
PRC-002-1	R 5.3										RRO						
PRC-002-1	R 5.4										RRO						
PRC-002-1	R 5.5										RRO						
PRC-002-1	R 5.6										RRO						
PRC-002-1	R 6.										RRO						
PRC-002-1	R 7.										RRO						
PRC-002-1	R 8.										RRO						
PRC-003-1	R 1.										RRO						
PRC-003-1	R 1.1										RRO						
PRC-003-1	R 1.2										RRO						
PRC-003-1	R 1.3										RRO						
PRC-003-1	R 1.4										RRO						
PRC-003-1	R 2.										RRO						
PRC-004-1	R 1.		DP										TO				
PRC-004-1	R 2.			GO													
PRC-004-1	R 3.		DP	GO									TO				
PRC-005-1	R 1.		DP	GO									TO				
PRC-005-1	R 1.1		DP	GO									TO				
PRC-005-1	R 1.2		DP	GO									TO				
PRC-005-1	R 2.		DP	GO									TO				
PRC-005-1	R 2.1		DP	GO									TO				

Standard Number	Req. Number	BA	DP	GO	GOP	LSE	PA	PSE	RC	RP	RRO	RSG	TO	TOP	TP	TSP	NERC_Net
PRC-005-1	R 2.2		DP	GO									TO				
PRC-018-1	R 1.			GO									TO				
PRC-018-1	R 2.			GO									TO				
PRC-018-1	R 2.1			GO									TO				
PRC-018-1	R 2.2			GO									TO				
PRC-018-1	R 2.3			GO									TO				
PRC-018-1	R 2.4			GO									TO				
PRC-018-1	R 2.5			GO									TO				
PRC-018-1	R 2.6			GO									TO				
PRC-018-1	R 2.7			GO									TO				
PRC-018-1	R 2.8			GO									TO				
PRC-018-1	R 2.9			GO									TO				
PRC-018-1	R 3.			GO									TO				
PRC-018-1	R 4.			GO									TO				
PRC-018-1	R 5.			GO									TO				
PRC-019-1	R 1.										RRO						
PRC-019-1	R 2.			GO													
PRC-019-1	R 2.1			GO													
PRC-019-1	R 2.1.1			GO													
PRC-019-1	R 2.1.2			GO													
PRC-019-1	R 2.1.3			GO													
PRC-019-1	R 2.1.4			GO													
PRC-019-1	R 2.1.5			GO													
PRC-019-1	R 2.1.6			GO													
PRC-019-1	R 3			GO													
PRC-019-1	R 3.1			GO													
PRC-019-1	R 3.2			GO													
PRC-019-1	R 3.3			GO													

Standard Number	Req. Number	BA	DP	GO	GOP	LSE	PA	PSE	RC	RP	RRO	RSG	TO	TOP	TP	TSP	NERC_Net
PRC-019-1	R 3.4			GO													
PRC-020-1	R 1.										RRO						
PRC-020-1	R 1.1										RRO						
PRC-020-1	R 1.2										RRO						
PRC-020-1	R 1.2.1										RRO						
PRC-020-1	R 1.2.2										RRO						
PRC-020-1	R 1.2.3										RRO						
PRC-020-1	R 1.2.4										RRO						
PRC-020-1	R 1.2.5										RRO						
PRC-020-1	R 1.3										RRO						
PRC-020-1	R 2.										RRO						
PRC-021-1	R 1.		DP										TO				
PRC-021-1	R 1.1		DP										TO				
PRC-021-1	R 1.2		DP										TO				
PRC-021-1	R 1.3		DP										TO				
PRC-021-1	R 1.4		DP										TO				
PRC-021-1	R 1.5		DP										TO				
PRC-021-1	R 1.6		DP										TO				
PRC-021-1	R 1.7		DP										TO				
PRC-021-1	R 1.8		DP										TO				
PRC-021-1	R 2.		DP										TO				
PRC-022-1	R 1.		DP										TO				
PRC-022-1	R 1.1		DP										TO				
PRC-022-1	R 1.2		DP										TO				
PRC-022-1	R 1.3		DP										TO				
PRC-022-1	R 1.4		DP										TO				
PRC-022-1	R 1.5		DP										TO				
PRC-022-1	R 2.		DP										TO				

Standard Number	Req. Number	BA	DP	GO	GOP	LSE	PA	PSE	RC	RP	RRO	RSG	TO	TOP	TP	TSP	NERC_Net
(VAR-004) PRC-024-1	R 1.										RRO						
(VAR-004) PRC-024-1	R 1.1										RRO						
(VAR-004) PRC-024-1	R 1.2										RRO						
(VAR-004) PRC-024-1	R 1.3										RRO						
(VAR-004) PRC-024-1	R 2.										RRO						
(VAR-004) PRC-024-1	R2.1										RRO						
(VAR-004) PRC-024-1	R2.2										RRO						
(VAR-004) PRC-024-1	R 3.										RRO						
(VAR-004) PRC-024-1	R 4.										RRO						
(VAR-004) PRC-024-1	R 5.										RRO						
(VAR-004) PRC-024-1	R 6.										RRO						
(VAR-004) PRC-024-1	R 7.			GO									TO				

Agenda 7.b.

Revised Regional Requirements

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

Number	NERC/MRO/MAIN Standards Reliability Standards Version 0 Attached as .pdf	Former MAIN-MAPP Standards/Guides/ Policies	Version 0 Requirement (from Standards Committee worksheet)	Recommendations for MRO Procedure, Criteria, and Plans	MRO Ownership	Anticipated Completion Date
Resource and Demand Balancing						
BAL-002-0	Disturbance Control Performance	Policy 1 Section B MAIN Guide 1A MAIN Guide 5A MAIN Guide 5B	R2. Each Regional Reliability Organization, sub-Regional Reliability Organization or Reserve Sharing Group shall specify its Contingency Reserve policies, including (see standard for details).		Ownership assigned to MAPP PAC for further assignment to committee or staff.	
Proposed MRO Standard	Operating Reserve - Spinning Requirement	Policy 1 Section B MAIN Guide 1A MAIN Guide 5A MAIN Guide 5B		MRO Proposed Standard.	Ownership assigned to MAPP PAC for further assignment to committee or staff.	
BAL-005-0	Automatic Generation Control	Policy 1 Section E		MRO recommended to review MAIN Guide 5A criteria for regulating reserves to be utilized as a guideline.	Ownership assigned to MAPP PAC for further assignment to committee or staff.	
BAL-006-0	Inadvertent Interchange	Policy 1 Section F	R.5 Adjacent Balancing Authorities that cannot mutually agree upon their respective Net Actual Interchange or Net Scheduled Interchange quantities by the 15th calendar day of the following month shall, for the purposes of dispute resolution, submit a report to their respective Regional Reliability Organization Survey Contact. The report shall describe the nature and the cause of the dispute as well as a process for correcting the discrepancy.	MRO recommended to review procedures to prepare a monthly Inadvertent Interchange summary to monitor the Balancing Authorities' monthly Inadvertent Interchange and all-time accumulated Inadvertent Interchange.	Ownership assigned to Compliance for further assignment to committee or staff.	
Emergency Preparedness and						
EOP-002-0	Capacity and Energy Emergencies	Policy 5 Section C P5T1 Policy 9 Section F MAIN Guide 1A MAIN DCS Allocation	M1. At the discretion of the Regional Reliability Organization or NERC, an investigation may be initiated to review the operation of a Balancing Authority or Reliability Coordinator when they have implemented their Capacity and Energy Emergency plans.	MRO recommended to review MAIN Guide 1A as a possible guideline.	Ownership assigned to RAC for further assignment to committee or staff.	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

Number	NERC/MRO/MAIN Standards Reliability Standards Version 0 Attached as .pdf	Former MAIN-MAPP Standards/Guides/ Policies	Version 0 Requirement (from Standards Committee worksheet)	Recommendations for MRO Procedure, Criteria, and Plans	MRO Ownership	Anticipated Completion Date
EOP-004-0	Disturbance Reporting	MAPP Appendix 5F MAIN Guide 3A	R1. Each Regional Reliability Organization shall establish and maintain a Regional reporting procedure to facilitate preparation of preliminary and final disturbance reports. R5. The Regional Reliability Organization shall track and review the status of all final report recommendations at least twice each year to ensure they are being acted upon in a timely manner. If any recommendation has not been acted on within two years, or if Regional Reliability Organization tracking and review indicates at any time that any recommendation is not being acted on with sufficient diligence, the Regional Reliability Organization shall notify the NERC Planning Committee and Operating Committee of the status of the recommendation's and the steps the Regional Reliability Organization has taken to accelerate implementation.	MRO recommended to review Appendix 5F and MAIN Guide 3A to update disturbance reporting.	Ownership assigned to RAC for further assignment to committee or staff.	
EOP-005-0	System Restoration Plans	Policy 6 Section D P6T2 MAIN Guide 1B MAIN Guide 1C MAIN Guide 3A	Self-Certification: Each Transmission Operator shall annually self-certify to the Regional Reliability Organization that the following criteria have been met.	MRO recommended to develop criteria for coordination and review of System Restoration Plans.	Ownership assigned to Compliance for further assignment to committee or staff.	
EOP-007-0	Establish, Maintain, and Document a Regional Blackstart Capability Plan	IV.A.M1	R1. Each Regional Reliability Organization shall establish and maintain a system BCP, as part of an overall coordinated Regional SRP. The Regional SRP shall include requirements for verification through analysis how system blackstart generating units shall perform their intended functions and shall be sufficient to meet SRP expectations. The Regional Reliability Organization shall coordinate with and among other Regional Reliability Organizations as appropriate in the development of its BCP. The BCP shall include (see standard for details).	MRO recommended to review and modify the Regional Blackstart Capability Plan, and coordinate with appropriate entities.	Ownership assigned to RAC for further assignment to committee or staff.	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

Number	NERC/MRO/MAIN Standards Reliability Standards Version 0 Attached as .pdf	Former MAIN-MAPP Standards/Guides/ Policies	Version 0 Requirement (from Standards Committee worksheet)	Recommendations for MRO Procedure, Criteria, and Plans	MRO Ownership	Anticipated Completion Date
Facilities Design, Connections						
FAC-001-0	Facility Connection Requirements	I.C.M1	R1. The Transmission Owner shall document, maintain, and publish facility connection requirements to ensure compliance with NERC Reliability Standards and applicable Regional Reliability Organization, sub regional, Power Pool, and individual Transmission Owner planning criteria and facility connection requirements.	MRO recommended to review and modify planning criteria and facility connection requirements.	Ownership assigned to RAC for further assignment to committee or staff.	
FAC-002-0	Coordination of Plans for New Facilities	I.C.M2	R2. The Planning Authority, Transmission Planner, Generator Owner, Transmission Owner, Load-Serving Entity, and Distribution Provider shall each retain its documentation (of its evaluation of the reliability impact of the new facilities and their connections on the interconnected transmission systems) for three years and shall provide the documentation to the Regional Reliability Organization(s) and NERC on request (within 30 calendar days).	MRO recommended to review and modify MRO system planning and reporting requirements criteria.	Ownership assigned to Compliance for further assignment to committee or staff.	
FAC-003-0	Vegetation Management Program		R2. Each Transmission Owner shall report to its Regional Reliability Organization all vegetation related outages on transmission circuits 200 kV and higher and any other lower voltage lines designated by the Regional Reliability Organization to be critical to the reliability of the electric system.	MRO recommended to review and modify criteria that designates critical transmission lines and reporting process within the region.	Ownership assigned to RAC for further assignment to committee or staff.	
FAC-004-0	Methodologies for Determining Electrical Facility Ratings	II.C.M1 MAIN Guide 3A MAIN Guide 3B	R1. The Transmission Owner and Generator Owner shall each document the methodology(ies) used to determine its electrical equipment and Facility Ratings. Further, the methodology(ies) shall comply with applicable Regional Reliability Organization requirements. The documentation shall address and include (see standard for details).	MRO recommended to review and modify criteria for member utilization.	Ownership assigned to RAC for further assignment to committee or staff .	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

Number	NERC/MRO/MAIN Standards Reliability Standards Version 0 Attached as .pdf	Former MAIN-MAPP Standards/Guides/ Policies	Version 0 Requirement (from Standards Committee worksheet)	Recommendations for MRO Procedure, Criteria, and Plans	MRO Ownership	Anticipated Completion Date
Interconnection Reliability						
IRO-001-0	Reliability Coordination – Responsibilities and Authorities	Policy 9 Section A P9T3	R1. Each Regional Reliability Organization, sub region, or interregional coordinating group shall establish one or more Reliability Coordinators to continuously assess transmission reliability and coordinate emergency operations among the operating entities within the region and across the regional boundaries.	MRO recommended to develop method to review the Reliability Coordinator documentation and the agreements with entities that delineate the authority of the Reliability Coordinator.	Ownership assigned to Compliance for further assignment to committee or staff.	
IRO-006-0	Reliability Coordination – Transmission Loading Relief	Policy 9 Section F P9T2	The Regional Reliability Organization, or NERC, may initiate an investigation if there is a complaint that an entity has not implemented relief procedures in accordance with these requirements.	MRO recommended to develop criteria and process to initiate an investigation if there is a complaint that an entity has not implemented relief procedures.	Ownership assigned to Compliance for further assignment to committee or staff.	
Modeling, Data, and Analysis						
MOD-001-0	Documentation of TTC and ATC Calculation Methodologies	I.E.1.M1 MAPP Appendix 6A, subsection A	R1. Each Regional Reliability Organization, in conjunction with its members, shall develop and document a Regional TTC and ATC methodology (certain systems that are not required to post ATC values are exempt from this standard). The Regional Reliability Organization's TTC and ATC methodology shall include each of the following nine items, and shall explain its use in determining TTC and ATC values.	MRO recommend to review and modify as necessary the Regional TTC and ATC Calculation methodologies.	Ownership assigned to RAC for further assignment to committee or staff.	
MOD-002-0	Review of TTC and ATC Calculations and Results	I.E.1.M3	R1. Each Regional Reliability Organization, in conjunction with its members, shall develop and implement a procedure to periodically review (at least annually) and ensure that the TTC and ATC calculations and resulting values of member Transmission Service Providers comply with the Regional TTC and ATC methodology and applicable Regional criteria.	MRO recommended to review and modify procedures to review compliance with regional methodology.	Ownership assigned to Compliance for further assignment to committee or staff.	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

Number	NERC/MRO/MAIN Standards Reliability Standards Version 0 Attached as .pdf	Former MAIN-MAPP Standards/Guides/ Policies	Version 0 Requirement (from Standards Committee worksheet)	Recommendations for MRO Procedure, Criteria, and Plans	MRO Ownership	Anticipated Completion Date
MOD-003-0	Procedure for Input on TTC and ATC Methodologies and Values	I.E.1.M4	R1. Each Regional Reliability Organization, in conjunction with its members, shall develop and document a procedure on how transmission users can input their concerns or questions regarding the TTC and ATC methodology and values of the Transmission Service Provider(s), and how these concerns or questions will be addressed. The Regional Reliability Organization's procedure shall specify the following (see standard for details).	MRO recommended to review and modify regional criteria on how users can input and question values.	Ownership assigned to RAC for further assignment to committee or staff.	
MOD-004-0	Documentation of Regional CBM Methodologies	I.E.2.M1 MAPP Appendix 6A, Subsection C	R1. Each Regional Reliability Organization, in conjunction with its members, shall develop and document a Regional CBM methodology. The Regional Reliability Organization's CBM methodology shall include each of the following ten items, and shall explain its use in determining CBM value. Other items that are Regional Reliability Organization specific or that are considered in each respective Regional Reliability Organization methodology shall also be explained along with their use in determining CBM values.	MRO recommended to review and modify as necessary the CBM methodology.	Ownership assigned to RAC for further assignment to committee or staff.	
MOD-005-0	Procedure for Verifying CBM Values	I.E.2.M3	R1. Each Regional Reliability Organization, in conjunction with its members, shall develop and implement a procedure to periodically review (at least annually) and ensure that the TTC and ATC calculations and resulting values of member Transmission Service Providers comply with the Regional TTC and ATC methodology and applicable Regional criteria.	MRO recommended to review and modify procedures to review compliance with regional methodology.	Ownership assigned to Compliance for further assignment to committee or staff.	
MOD-006-0	Procedures for Use of CBM Values	I.E.2.M4 ADR Procedure MAIN Guide 11	Each Regional Reliability Organization shall report compliance and violations to NERC via the NERC compliance reporting process.	MRO recommended to review process for reporting use and violations of the CBM.	Ownership assigned to RAC for further assignment to committee or staff.	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

Number	NERC/MRO/MAIN Standards Reliability Standards Version 0 Attached as .pdf	Former MAIN-MAPP Standards/Guides/ Policies	Version 0 Requirement (from Standards Committee worksheet)	Recommendations for MRO Procedure, Criteria, and Plans	MRO Ownership	Anticipated Completion Date
MOD-007-0	Documentation of the Use of CBM	I.E.2.M5	R1. Each Transmission Service Provider that uses CBM shall report (to the Regional Reliability Organization, NERC and the transmission users) the use of CBM by the Load-Serving Entities Loads on its system, except for CBM sales as Non-Firm Transmission Service (this use of CBM shall be consistent with the Transmission Service Provider's procedure for use of CBM).	MRO recommended to review process for reporting use and violations of the CBM.	Ownership assigned to RAC for further assignment to committee or staff.	
MOD-008-0	Documentation and Content of Each Regional TRM Methodology	I.E.2.M6 MAPP Appendix 6A, Subsection B	R1. Each Regional Reliability Organization, in conjunction with its members, shall develop and document a Regional TRM methodology. The Region's TRM methodology shall specify or describe each of the following five items (see standard for specifics), and shall explain its use, if any, in determining TRM values. Other items that are Region-specific or that are considered in each respective Regional methodology shall also be explained along with their use in determining TRM values.	MRO recommend to review and modify, as necessary, the TRM methodology.	Ownership assigned to RAC for further assignment to committee or staff.	
MOD-009-0	Procedure for Verifying TRM Values	I.E.2.M8	R1. Each Regional Reliability Organization, in conjunction with its members, shall develop and implement a procedure to review Transmission Reliability Margin (TRM) calculations and resulting values of member Transmission Service Providers to ensure they comply with the Regional TRM methodology, and are periodically updated and available to transmission users.	MRO recommended to review and modify TRM procedures to review compliance with regional methodology.	Ownership assigned to RAC for further assignment to committee or staff.	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

Number	NERC/MRO/MAIN Standards Reliability Standards Version 0 Attached as .pdf	Former MAIN-MAPP Standards/Guides/ Policies	Version 0 Requirement (from Standards Committee worksheet)	Recommendations for MRO Procedure, Criteria, and Plans	MRO Ownership	Anticipated Completion Date
MOD-011-0	Regional Steady-State Data Requirements and Reporting Procedures	II.A.M2 MAIN MMWG Procedures	R1. The Regional Reliability Organizations within an Interconnection, in conjunction with the Transmission Owners, Transmission Planners, Generator Owners, and Resource Planners, shall develop comprehensive steady-state data requirements and reporting procedures needed to model and analyze the steady-state conditions for each of the NERC Interconnections: Eastern, Western, and ERCOT. Within an Interconnection, the Regional Reliability Organizations shall jointly coordinate the development of the data requirements and reporting procedures for that Interconnection R2. The Regional Reliability Organizations within an Interconnection shall document their Interconnection's steady-state data requirements and reporting procedures, shall review those data requirements and reporting procedures (at least every five years), and shall make the data requirements and reporting procedures available on request (within five business days) to Regional Reliability Organizations, NERC, and all users of the interconnected transmission systems.	MRO recommended to review and modify steady-state data requirements and reporting procedures needed to model and analyze the steady-state conditions.	Ownership assigned to RAC for further assignment to committee or staff.	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

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MOD-013-0	RRO Dynamics Data Requirements and Reporting Procedures	II.A.M4 MAIN MMWG Procedures	R1. The Regional Reliability Organization, in coordination with its Transmission Owners, Transmission Planners, Generator Owners, and Resource Planners, shall develop comprehensive dynamics data requirements and reporting procedures needed to model and analyze the dynamic behavior or response of each of the NERC Interconnections: Eastern, Western, and ERCOT. Within an Interconnection, the Regional Reliability Organizations shall jointly coordinate on the development of the data requirements and reporting procedures for that Interconnection. Each set of Interconnection-wide dynamics data requirements shall include the following dynamics data requirements (see standard for details). R2. The Regional Reliability Organization shall participate in the documentation of its Interconnection's data requirements and reporting procedures and, shall participate in the review of those data requirements and reporting procedures (at least every five years), and shall provide those data requirements and reporting procedures to Regional Reliability Organizations, NERC,	MRO recommended to coordinate on the development of the data requirements and reporting procedures.	Ownership assigned to RAC for further assignment to committee or staff.	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

Number	NERC/MRO/MAIN Standards Reliability Standards Version 0 Attached as .pdf	Former MAIN-MAPP Standards/Guides/ Policies	Version 0 Requirement (from Standards Committee worksheet)	Recommendations for MRO Procedure, Criteria, and Plans	MRO Ownership	Anticipated Completion Date
MOD-014-0	Development of Interconnection-Specific Steady State System Models	II.A.M5 main Guide 2	R1. The Regional Reliability Organization(s) within each Interconnection shall coordinate and jointly develop and maintain a library of solved (converged) Interconnection-specific steady state system models. The Interconnection-specific models shall include near-term and long-term planning horizons that are representative of system conditions for projected seasonal peak, minimum, and other appropriate system demand levels. R2. The Regional Reliability Organization(s) within each Interconnection shall coordinate and jointly develop steady-state system models annually for selected study years, as determined by the Regional Reliability Organizations within its Interconnection. The Regional Reliability Organization shall provide the most recent solved (converged) Interconnection-specific steady state models to NERC in accordance with each Interconnection's schedule for submission.	MRO recommended to review and modify criteria that establish consistent data requirements, reporting procedures, and system models to be used in the analysis of the reliability of the interconnected transmission systems.	Ownership assigned to RAC for further assignment to committee or staff.	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

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MOD-015-0	Development of Interconnection-Specific Dynamics System Models	II.A.M6 MAIN Guide 2	R1. The Regional Reliability Organization(s) within each Interconnection shall coordinate and jointly develop and maintain a library of initialized (with no Faults or system Disturbances) Interconnection-specific dynamics system models linked to the steady-state system models, as appropriate, of Reliability Standard MOD-014-0_R1. R2. The Regional Reliability Organization(s) within each Interconnection shall develop Interconnection dynamics system models for their Interconnection annually for selected study years as determined by the Regional Reliability Organization(s) within each Interconnection and shall provide the most recent initialized (approximately 25 seconds, no-fault) models to NERC in accordance with each Interconnection's schedule for submission.	MRO recommended to review, modify and maintain a library of initialized Interconnection-specific dynamics system models linked to the steady-state system models.	Ownership assigned to RAC for further assignment to committee or staff.	
MOD-016-0	Actual and Forecast Demands, Net Energy for Load, Controllable DSM	II.D.M1 MAIN Guide 2 MAIN Guide 4	R1. The Planning Authority and Regional Reliability Organization shall have documentation identifying the scope and details of the actual and forecast (a) Demand data, (b) Net Energy for Load data, and (c) controllable DSM data to be reported for system modeling and reliability analysis.	MRO recommended to review and modify documentation identifying the scope and details of the actual and forecast (a) Demand data, (b) Net Energy for Load data, and (c) controllable DSM data to be reported for system modeling and reliability analysis.	Ownership assigned to RAC for further assignment to committee or staff.	
MOD-017-0	Aggregated Actual and Forecast Demands and Net Energy for Load	II.D.M4 MAIN Guide 2 MAIN Guide 4	R1. The Load-Serving Entity, Planning Authority and Resource Planner shall each provide the following information (identified in the Standard) annually on an aggregated Regional, subregional, Power Pool, individual system, or Load-Serving Entity basis to NERC, the Regional Reliability Organizations, and any other entities specified by the documentation in Standard MOD-016-0_R1.	MRO recommended to review and modify procedures to collect and share data.	Ownership assigned to RAC for further assignment to committee or staff.	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

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MOD-018-0	Reports of Actual and Forecast Demand Data	II.D.M6 MAIN Guide 2 MAIN Guide 4	R2. The Load-Serving Entity, Planning Authority, Transmission Planner and Resource Planner shall each report data associated with Reliability Standard MOD-018-0_R1 to NERC, the Regional Reliability Organization, Load-Serving Entity, Planning Authority, and Resource Planner on request (within 30 calendar days).	MRO recommended to review and modify reporting requirements.	Ownership assigned to RAC for further assignment to committee or staff.	
MOD-024-1	**Verification of Generator Gross and Net Real Power Capability**		**Purpose: To ensure accurate information on generator gross and net Real Power capability are available for steady-state models used to assess Bulk Electric System reliability.** **R1. The Regional Reliability Organization shall establish and maintain procedures to address verification of generator gross and net Real Power capability.** **R2. The Regional Reliability Organization shall provide its generator gross and net Real Power capability verification and reporting procedures, and any changes to those procedures, to the Generator Owners, Generator Operators, Transmission Operators, Planning Authorities, and Transmission Planners affected by the procedure within 30 calendar days of the approval.** **R3. The Generator Owner shall follow its Regional Reliability Organization's procedures for verifying and reporting its gross and net Real power generating capability per Requuirement 1.**			**R1 & R2 - 4/1/06** **R3 - 7/1/06**

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

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MOD-025-1	Verification of Generator Gross and Net Reactive Power Capability		Purpose: To ensure accurate information on generator gross and net Reactive Power capability is available for steady-state models used to assess Bulk Electric System reliability. R1. The Regional Reliability Organization shall establish and maintain procedures to address verification of generator gross and net Reactive Power capability. R2. The Regional Reliability Organization shall provide its generator gross and net Reactive Power capability verification and reporting procedures, and any changes to those procedures, to the Generator Owners, Generator Operators, Transmission Operators, Planning Authorities, and Transmission Planners affected by the procedure within 30 calendar days of the approval. R3. The Generator Owner shall follow its Regional Reliability Organization's procedures for verifying and reporting its gross and net Reactive Power capability perRequirement 1.			R1 & R2 – 1/1/07 R3 – 1/1/08
Organization Certification						
Proposed NERC SAR	Resource Adequacy Assessments				Ownership assigned to Standards.	
Proposed MRO Standard	Generation Reserve Planning			MRO Proposed Standard.	Ownership assigned to RAC for further assignment to committee or staff.	
Protection and Control						

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

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PRC-002-0	Define and Document Disturbance Monitoring Equipment Requirements	I.F.M1 I.F.M3 MAPP Appendix 4A MAIN Guide 2 MAIN Guide 10 MAIN Guide 12	R1. The Regional Reliability Organization shall develop comprehensive requirements for the installation of Disturbance monitoring equipment to ensure data is available to determine system performance and the causes of System Disturbances. The comprehensive requirements shall include all of the following (see standard for details).	MRO recommended to review and modify procedures that define and document Disturbance Monitoring Equipment criteria.	Ownership assigned to RAC for further assignment to committee or staff.	
PRC-002-1	**Define Regional Disturbance Monitoring and Reporting Requirements**		**Purpose: Ensure that Regional Reliability Organizations establish requirements for installation of Disturbance Monitoring Equipment and reporting of Disturbance data to facilitate analyses of events.**			**1/1/07**
PRC-003-0	Regional Procedure for Transmission Protection System Misoperations	III.A.M3 MAIN Guide 10 Appendix A MAPP Appendix 4D, Subsection A	R1. Each Regional Reliability Organization shall have a procedure for the monitoring, review, analysis, and correction of all transmission protection system misoperations. Each Regional Reliability Organization's procedure shall include the following elements: (See standard for details).	MRO recommended to review and modify procedures for the monitoring, review, analysis, and correction of all transmission protection system misoperations.	Ownership assigned to RAC for further assignment to committee or staff .	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

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PRC-003-1	**Regional Requirements for Analysis of Misoperations of Transmission and Generation Protection Systems**		**Purpose: To ensure all transmission and generation Protection System Misoperations affecting the reliability of the Bulk Electric System (BES) are analyzed and mitigated.** **R1. Each Regional Reliability Organization shall establish, document and maintain its requirements for, review, analysis, reporting and mitigation of all transmission and generation Protection System Misoperations.** **R2. Each Regional Reliability Organization shall maintain and periodically update documentation of its requirements for review, analysis, reporting, and mitigation of transmission and generation Protection System Misoperations and shall distribute those requirements and any changes to those requirements, to the affected Transmission Owners, Distribution Providers that own a transmission Protection Systems, and Generator Owners within 30 calendar days of approval of those requirements.**			**5/1/06**
PRC-004-0	Analysis and Reporting of Transmission Protection System Misoperations	III.A.M5 MAIN Guide 10	R2. The Transmission Owner, Generator Owner, and Distribution Provider that owns a transmission protection system shall provide to its affected Regional Reliability Organization and NERC on request (within 30 calendar days) documentation of the misoperations analysis and corrective actions according to the Regional Reliability Organization's procedures of Reliability Standard PRC-003-0_R1.	MRO recommended to review and modify procedures for reporting documentation of the misoperations analysis and corrective actions.	Ownership assigned to RAC for further assignment to committee or staff .	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

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PRC-004-1	Analysis and Mitigation of Transmission and Generation Protection System Misoperations		Ensure all transmission and generation Protection System misoperations affecting the reliability of the Bulk Electric System (BES) are analyzed and mitigated. R1. The Transmission Owner and any Distribution Provider that owns a transmission Protection System shall each analyze its transmission Protection System Misoperations and shall develop and implement a Mitigation Plan to avoid future Misoperations of a similar nature. R2. The Generator Owner shall analyze its generator Protection System Misoperations, and shall develop and implement a Mitigation Plan to avoid future Misoperations of a similar nature. R3. The Transmission Owner, any Distribution Provider that owns a transmission Protection System, and the Generator Owner shall each provide to its Regional Reliability Organization, documentation of its Misoperations analyses and Mitigation Plans according to the Regional Reliability Organization's procedures deve loped for Reliability Standard PRC-003 Requirement R1.			8/1/06
PRC-005-0	Transmission Protection System Maintenance and Testing	III.A.M4 MAIN Guide 10 Appendix C	R2. The Transmission Owner, Generator Owner, and Distribution Provider that owns a transmission protection system shall provide documentation of its transmission protection system program and its implementation to the appropriate Regional Reliability Organization and NERC on request (within 30 calendar days).	MRO to review and modify procedures for documentation of its transmission protection system program and its implementation.	Ownership assigned to RAC for further assignment to committee or staff.	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

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PRC-005-1	Transmission and Generation Protection System Maintenance and Testing		Purpose: To ensure all transmission and generation Protection Systems affecting the reliability of the Bulk Electric System (BES) are maintained and tested. R1. Each Transmission Owner, Generator Owner and Distribution Provider that owns a transmission or generation Protection System shall have a Protection System maintenance and testing program for Protection Systems that affect the reliability of the BES R2. Each Transmission Owner, Generator Owner and any Distribution Provider that owns a transmission or generation Protection System shall provide documentation of its Protection System maintenance and testing program and the implementation of that program to its Regional Reliability Organization on request (within 30 calendar days).			5/1/06
PRC-006-0	Development and Documentation of Regional UFLS Programs	III.D.M1 MAIN Guide 1B MAIN Guide 10	R1. Each Regional Reliability Organization shall develop, coordinate, and document an UFLS program, which shall include the following (see standard for details).	MRO recommended to review, further develop, coordinate, and document an UFLS program.	Ownership assigned to RAC for further assignment to committee or staff.	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

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PRC-007-0	Assuring Consistency with Regional UFLS Programs	III.D.M2 MAIN Guide 1B MAIN Guide 10	R1. The Transmission Owner and Distribution Provider, with an UFLS program (as required by its Regional Reliability Organization) shall ensure that its UFLS program is consistent with its Regional Reliability Organization's UFLS program requirements R2. The Transmission Owner, Transmission Operator, Distribution Provider, and Load-Serving Entity that owns or operates an UFLS program (as required by its Regional Reliability Organization) shall provide, and annually update, its underfrequency data as necessary for its Regional Reliability Organization to maintain and update a UFLS program database. R3. The Transmission Owner and Distribution Provider that owns an UFLS program (as required by its Regional Reliability Organization) shall provide its documentation of that UFLS program to its Regional Reliability Organization on request (30 calendar days).	MRO recommended to review, further develop, coordinate, and document an UFLS program.	Ownership assigned to RAC for further assignment to committee or staff.	
PRC-008-0	Under frequency Load Shedding Equipment Maintenance Programs	III.D.M3 MAIN Guide 10	R2. The Transmission Owner and Distribution Provider with an UFLS program (as required by its Regional Reliability Organization) shall implement its UFLS equipment maintenance and testing program and shall provide UFLS maintenance and testing program results to its Regional Reliability Organization and NERC on request (within 30 calendar days).	MRO recommended to review, further develop, coordinate, and document an UFLS program.	Ownership assigned to Compliance for further assignment to committee or staff.	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

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PRC-009-0	UFLS Performance Following an Underfrequency Event	III.D.M4 MAIN Guide 10	R1. The Transmission Owner, Transmission Operator, Load-Serving Entity and Distribution Provider that owns or operates an UFLS program (as required by its Regional Reliability Organization) shall analyze and document its UFLS program performance in accordance with its Regional Reliability Organization's UFLS program. The analysis shall address the performance of UFLS equipment and program effectiveness following system events resulting in system frequency excursions below the initializing set points of the UFLS program.	MRO recommended to review, further develop, coordinate, and document an UFLS program.	Ownership assigned to RAC for further assignment to committee or staff.	
PRC-010-0	Assessment of the Design and Effectiveness of UVLS Program	III.E.M3 MAIN Guide 10	R2. The Load-Serving Entity, Transmission Owner, Transmission Operator, and Distribution Provider that owns or operates an UVLS program shall provide documentation of its current UVLS program assessment to its Regional Reliability Organization and NERC on request (30 calendar days).	MRO recommended to review, further develop, coordinate, and document an UVLS program.	Ownership assigned to Compliance for further assignment to committee or staff.	
PRC-011-0	UVLS System Maintenance and Testing	III.E.M4 MAIN Guide 10	R2. The Transmission Owner and Distribution Provider that owns an UVLS system shall provide documentation of its UVLS equipment maintenance and testing program and the implementation of that UVLS equipment maintenance and testing program to its Regional Reliability Organization and NERC on request (within 30 calendar days).	MRO recommended to review, further develop, coordinate, and document an UVLS program.	Ownership assigned to RAC for further assignment to committee or staff.	
PRC-012-0	Special Protection System Review Procedure	III.F.M1 MAIN Guide 10 Appendix B MAPP Appendix 4B, Subsection B	R1. Each Regional Reliability Organization with a Transmission Owner, Generator Owner, or Distribution Providers that uses or is planning to use a SPS shall have a documented Regional Reliability Organization SPS review procedure to ensure that SPSs comply with Regional criteria and NERC Reliability Standards. The Regional SPS review procedure shall include (see standard for details).	MRO recommended to review and modify program to ensure that there is a plan to use an SPS and its associated review procedure.	Ownership assigned to RAC for further assignment to committee or staff.	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

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PRC-013-0	Special Protection System Database	III.F.M2 MAIN Guide 10	R1. The Regional Reliability Organization that has a Transmission Owner, Generator Owner, or Distribution Provider with a SPS installed shall maintain a SPS database. The database shall include the following types of information (see standard for details).	MRO recommended to review and modify database that contains SPS information.	Ownership assigned to RAC for further assignment to committee or staff .	
PRC-014-0	Special Protection System Assessment	III.F.M3 MAIN Guide 10	R1. The Regional Reliability Organization shall assess the operation, coordination, and effectiveness of all SPSs installed in its Region at least once every five years for compliance with NERC Reliability Standards and Regional criteria.	MRO recommended to review and modify procedures that assess the operation, coordination, testing, maintenance, and effectiveness of all SPSs installed.	Ownership assigned to RAC for further assignment to committee or staff.	
Proposed MRO Standard	Power System Stabilizer	MAPP Policy 4 III.C.M1			Ownership assigned to RAC for further assignment to committee or staff.	
PRC-018-1	**Disturbance Monitoring Equipment Installation and Data Reporting**		**Purpose: Ensure that Disturbance Monitoring Equipment (DME) is installed and that Disturbance data is reported in accordance with regional requirements to facilitate analyses of events.** **R1. The Transmission Owner and Generator Owner shall install DME in accordance with the Regional Reliability Organization installation requirements (PRC-002 Requirements 1 through 3).** **R2. The Transmission Owner and Generator Owner shall maintain and report to the Regional Reliability Organization on request.** **R3. The Transmission Owner and Generator Owner shall each store and retain its Disturbance data (recorded by DMEs) in accordance with its Regional requirements (Reliability Standard PRC-002 Requirement 4).**			**R2 - R5 by 10/1/07** **R1 by 4/1/11**

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

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PRC-019-1	Coordination of Generator Voltage Regulator Controls with Unit Capabilities and Protection		Purpose: Ensure the generator capability curve is consistent with the actual generator capability and ensure generator voltage regulator controls and limit functions are coordinated with the generator's capabilities and protective relays. R1. The Regional Reliability Organization shall establish and maintain criteria for exemptions to any of the Generator Owner requirements in Requirement 2. R2. Unless exempted by the Regional Reliability Organization in accordance with Requirement 1, the Generator Owner shall provide the Regional Reliability Organization and the Transmission Operator with the following information: R2.1. Plots, or data that could be plotted for the following: R2.1.1. Generator capability curve, including specification of nominal voltage, ambient air or cooling temperature, or hydrogen pressure. R2.1.2. Steady state over-excitation limiter and under-excitation limiter control characteristics. R2.1.3. MW limit of the prime mover. R2.1.4. Any other limit that could restrict the megawatt or megavar capability (e.g., generator			R1 - 1/1/07 R2 & R3 - 1/1/12

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

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PRC-020-1	Under-Voltage Load Shedding Program Database		Purpose: Ensure that a Regional database is maintained for Under-Voltage Load Shedding (UVLS) programs implemented by entities within the Region to mitigate the risk of voltage collapse or voltage instability in the Bulk Electric System (BES). Ensure the UVLS database is available for Regional studies and for dynamic studies and simulations of the BES. R1. The Regional Reliability Organization shall establish, maintain and annually update a database for UVLS programs implemented by entities within the Region to mitigate the risk of voltage collapse or voltage instability in the BES. This database shall include sufficient information to model the UVLS program in dynamic simulations of the interconnected transmission systems. R2. The Regional Reliability Organization shall provide the information in its UVLS database to the Planning Authority, the Transmission Planner, or other Regional Reliability Organizations and to NERC within 30 calendar days of a request.			5/1/06

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

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PRC-021-1	Under-Voltage Load Shedding Program Data		Purpose: Ensure data is provided to support the Regional database maintained for Under-Voltage Load Shedding (UVLS) programs that were implemented to mitigate the risk of voltage collapse or voltage instability in the Bulk Electric System. R1. Each Transmission Owner and Distribution Provider that owns a UVLS program shall provide, and annually update, its UVLS implementation data to support the Regional UVLS program database. R2. Each Transmission Owner and Distribution Provider that owns a UVLS program shall provide its UVLS program data to the Regional Reliability Organization within 30 calendar days of a request.			8/1/06
PRC-022-1	Under-Voltage Load Shedding Program Performance		Purpose: Ensure that Under Voltage Load Shedding (UVLS) programs perform as intended to mitigate the risk of voltage collapse or voltage instability in the Bulk Electric System. R1. Each Transmission Operator, Load-Serving Entity, and Distribution Provider that operates a UVLS program shall analyze and document all UVLS operations and Misoperations. R2. Each Transmission Operator, Load-Serving Entity, and Distribution Provider that operates a UVLS program shall provide documentation of its analysis of UVLS program performance to its Regional Reliability Organization within 90 calendar days of a request.			5/1/06
Transmission Operations						

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

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TOP-003-0	Planned Outage Coordination	Policy 4 Section C T4P4	A Reliability Coordinator makes a request for an outage to "not be taken" because of a reliability impact on the grid and the outage is still taken. The Reliability Coordinator must provide all its documentation within three business days to the Regional Reliability Organization. Each Regional Reliability Organization shall report compliance and violations to NERC via the NERC Compliance Reporting process.	MRO recommended to review and modify procedures to initiate an investigation.	Ownership assigned to Compliance for further assignment to committee or staff.	
TOP-007-0	Reporting SOL and IROL Violations	Policy 2 Section A P2T1	The Reliability Coordinator shall report any IROL violation exceeding 30 minutes to the Regional Reliability Organization and NERC within 72 hours. Each Regional Reliability Organization shall report any such violations to NERC via the NERC compliance reporting process. The Reliability Coordinator shall report any SOL violation that has become an IROL violation because of changed system conditions.	MRO recommended to review and modify reporting procedures for IROL events.	Ownership assigned to Compliance for further assignment to committee or staff.	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

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Transmission Planning						
TPL-005-0	Regional and Interregional Self-Assessment Reliability Reports	I.B.M1 MAIN Guide 2 MAIN Guide 8	R1. Each Regional Reliability Organization shall annually conduct reliability assessments of its respective existing and planned Regional Bulk Electric System (generation and transmission facilities) for (see standard for details).	MRO recommended to review and modify its criteria to annually conduct reliability assessments of its respective existing and planned Regional Bulk Electric System (generation and transmission facilities).	Ownership assigned to RAC for further assignment to committee or staff.	
TPL-006-0	Assessment Data from Regional Reliability Organizations	I.B.M2 MAIN Guide 2 MAIN Guide 8	R1. Each Regional Reliability Organization shall provide, as requested (seasonally, annually, or as otherwise specified) by NERC, system data, including past, existing, and future facility and Bulk Electric System data, reports, and system performance information, necessary to assess reliability and compliance with the NERC Reliability Standards and the respective Regional planning criteria. The facility and Bulk Electric System data, reports, and system performance information shall include, but not be limited to, one or more of the following types of information as outlined below (see standard for details).	MRO recommended to develop procedures and criteria to ensure that the MRO complies with planning criteria, for assessing the overall reliability (Adequacy and Security) of the interconnected Bulk Electric Systems, both existing and as planned.	Ownership assigned to RAC for further assignment to committee or staff.	
Proposed MRO Standard	System Performance	I.A.M1 MAIN Guide 2 MAIN Guide 8		Proposed New MRO Standard.	Ownership assigned to RAC for further assignment to committee or staff.	
Proposed MRO Standard	Subsynchronous Resonance	III.B MAPP Policy 2		Proposed New MRO Standard.	Ownership assigned to RAC for further assignment to committee or staff.	
Voltage and Reactive						
VAR-001-1	Voltage and Reactive Control	MAPP Handbook 6.3.3.1 Policy 2 Section B MAIN Guide 2		MRO recommended to develop a guide on appropriate Operating Procedures.	Ownership assigned to RAC for further assignment to committee or staff.	

NERC Version 0 Requirements Assigned To Regional Reliability Organizations

 Number	NERC/MRO/MAIN Standards Reliability Standards Version 0 Attached as .pdf	Former MAIN-MAPP Standards/Guides/ Policies	Version 0 Requirement (from Standards Committee worksheet)	Recommendations for MRO Procedure, Criteria, and Plans	MRO Ownership	Anticipated Completion Date
VAR-004 (Now PRC-023)	Generator Performance During Frequency and Voltage Excursions		Purpose: To ensure that generators remain connected to the electrical grid during voltage and frequency excursions and are not normally tripped manually or by preset protection schemes during frequency and voltage excursions. R1. The Regional Reliability Organization shall establish criteria for generators to remain connected during system frequency and voltage excursions expressed as a function of: R1.1.1. Time duration in seconds or cycles. R1.1.2. Amplitude or magnitude of the excursion. R1.1.3. Relationship between time and amplitude or magnitude. R2. The Regional Reliability Organization shall establish and maintain requirements for generators to remain connected during frequency and voltage disturbances. R3. The Regional Reliability Organization shall establish and maintain criteria for exemptions to the requirements established in accordance with PRC-024 R1 and R2. R4. The Regional Reliability Organization shall establish and maintain a procedure for handling variances (i.e., different criteria or methods) from the Regional Reliability Organization's requirements			R1 - R6 – 1/1/07 R7 - 1/1/08

Agenda 8.

MAIN Transition

Agenda 8.a.

Procedures, Policies, Standards Webpage

MRO/MAIN/MAPP Procedures, Operating Guides, Criteria (Work-in-Progress)

Owner	Procedure	Group	Where is the Document Located?	Published Date	Review Date
Compliance	Review of Transmission Service Provider Total Transfer Capability and Available Transfer Capability Calculations and Results	Regional Reliability Organization		January 11, 2001	June 2007
Compliance	Transmission Loading Relief Procedure	Reliability Coordinator	MAIN Guide 1C	November 16, 2001	June 2007
GRSP	Accreditation of Capacity Transactions	Reserve Sharing Pool	GRSP Handbook - Section 4.2.3, Appendix IV - Exhibit B & Exhibit F	March 11, 2005	June 2008
GRSP	Accreditation of Generation	Reserve Sharing Pool	GRSP Handbook - Section 4.2.2, Appendix IV - Exhibit C & Exhibit D	March 11, 2005	June 2008
GRSP	Certification of Interruptible Demand	Reserve Sharing Pool	GRSP Handbook - Section 4.2.4, Appendix IV - Exhibit G	March 11, 2005	June 2008
GRSP	Contingency Reserve Obligations	Regional Reliability Organization, Balancing Authority, Reserve Sharing Pool	GRSP Handbook Appendix III - Exhibit B & Exhibit C	March 11, 2005	June 2008
GRSP	Contingency Reserve Transactions (Service Schedule D)	Balancing Authority, Reserve Sharing Pool	GRSP Handbook Pg. 19 Section 4.1.5	March 11, 2005	June 2008
GRSP	Determining Largest Single Contingency Procedure	Reliability Coordinator, Balancing Authority, Reserve Sharing Pool	GRSP Handbook Pg. 26 Section 4.1.15	March 11, 2005	June 2008
GRSP	Disturbance Control Performance Adjustment	Regional Reliability Organization, Balancing Authority, Reserve Sharing Pool	GRSP Handbook Pg. 23 Section 4.1.8	March 11, 2005	June 2008
GRSP	Emergency Replacement Procedure	Reliability Coordinator, Balancing Authority, Reserve Sharing Pool	GRSP Handbook Pg. 91, Appendix III - Exhibit D	March 11, 2005	June 2008
GRSP	Load and Capability	Reserve Sharing Pool, Regional Reliability	GRSP Handbook - Section 4.2.1 & Appendix IV - Exhibit H	March 11, 2005	June 2008
GRSP	Region Tight Energy Guide Procedure	Reliability Coordinator, Balancing Authority, Reserve Sharing Pool	GRSP Handbook Pg. 122 Appendix III - Exhibit H	March 11, 2005	June 2008
GRSP	Regional CBM Calculations	Generation Reserve Sharing Pool, Reliability Coordinator, Transmission Operator, Transmission Service Provider	MAPP Policies and Procedures for Transmission Operators, Appendix M	January 11, 2001	June 2007

MRO/MAIN/MAPP Procedures, Operating Guides, Criteria (Work-in-Progress)

MAIN	Operating Procedures During Operating Reserve Deficiencies		MAIN Guide 1A	May 27, 1999	June 2006
MAIN	Procedure for the Uniform Rating of Generating Equipment		MAIN Guide 3A	November 9, 1995	June 2006
MAIN	MAIN Member Coordinated Planning Responsibilities		MAIN Guide 8	March 7, 1995	June 2006
MAIN	MAIN Protection Priciples and Guides		MAIN Guide 10	November 16, 2001	June 2006
MAIN	Operating Reserve		MAIN Guide 5A	October 1, 2003	June 2007
MAIN	MAIN Disturbance Monitoring Equipment Database		MAIN Guide 12	May 9, 2003	June 2007
MAIN	Arresting Declining Frequency Procedure		MAIN Guide 1B	May 9, 2003	June 2007
MAIN	Demand and Energy Forecasts Procedure		MAIN Guide 4	May 12, 1995	June 2006
MAIN	Demonstrate Non Conventional Resource Capability Procedure		MAIN Guide 3B Section IV	April 18, 2005	June 2008
MAIN	Dispute Resolution Procedure		MAIN Guide 11	May 12, 1995	June 2006
MAIN	Extreme Disturbance Testing Procedure		MAIN Guide 2	May 10, 1996	June 2006
MAIN	Generation Reserve Requirements Procedure		MAIN Guide 6	November 18, 1994	June 2006
MAIN	New Transmission Operating Organization Procedure		MAIN Guide 9	May 10, 2002	June 2007
MAIN	Normal (Pre-Contingency) Operating Procedures		Defined in MAIN Guide 2, Appendix I-3	May 10, 1996	June 2006
MAIN	Operating Criteria and Standards Compliance Procedure		MAIN Guide 7	November 18, 1994	June 2006
MAIN	Post-Contingency Operating Procedures		Defined in MAIN Guide 2, Appendix I-3	May 10, 1996	June 2006
MAIN	Reserve Sharing Group Emergency Energy Procedure		MAIN Guide 5B	October 1, 2003	June 2007
MAIN	Uniform Rating of Generating Equipment Procedure		MAIN Guide 3B	April 18, 2005	June 2008
MAIN	Uniform Reactive Rating of Generating Units and Synchronous Condensers Procedure		MAIN Guide 3C	March 23, 2005	June 2008
RAC	Assessment Data from Regional Reliability Organizations	Regional Reliability Organization			
RAC	Assuring Consistency with Regional UFLS Program Requirements	Transmission Operator, Load-Serving Entity, Transmission Owner, Distribution Provider		April 28, 2000	April, 2005
RAC	CBM Methodology Documentation	Regional Reliability Organization, Transmission Service Provider		January 11, 2001	June 2007
RAC	Current System Condition Study Procedures		MAPP Member Reliability Criteria and Study Procedures Pg. 21 Section 5.0	November 19, 2004	June 2007
RAC	Define and Document Disturbance Monitoring Equipment	Regional Reliability Organization	MAPP Reliability Handbook Section 3, Pg. 23	December 1, 2004	June 2007
RAC	Development and Documentation of Regional Reliability Organizations' Underfrequency Load Shedding Programs	Regional Reliability Organization	MAPP Reliability Handbook Appendix 6C	April 28, 2000	June 2006
RAC	Development of System Models	Regional Reliability Organization	MAPP Model Building Procedural Manual	October 10, 2003	June 2007

MRO/MAIN/MAPP Procedures, Operating Guides, Criteria (Work-in-Progress)

RAC	Documentation of Data Reporting Requirements for Actual and Forecast Demands, Net Energy for Load, and Controllable Demand-Side Management	Regional Reliability Organization, Planning Authority	MAPP Load and Capability Data Request	January 17, 2005	June 2008
RAC	Documentation of Total Transfer Capability and Available Transfer Capability Calculation Methodologies	Regional Reliability Organization	MAPP Policies and Procedures Appendix K	January 11, 2001	June 2007
RAC	Documentation of Use of CBM	Transmission Service Provider	MAPP Policies and Procedures Appendix M	January 11, 2001	June 2007
RAC	Evaluation of Firm Service on the MAPP OASIS		MAPP Policies and Procedures for Transmission Operators Section 2.7, Appendix F	August 5, 2005	June 2008
RAC	Evaluation of Non-firm Tariff Services		MAPP Policies and Procedures for Transmission Operators Section 2.8, Appendix F	August 5, 2005	June 2008
RAC	Facility Connection Requirements	Transmission Owner	MAPP Reliability Handbook Section 3 Pg. 20	December 1, 2004	June 2007
RAC	Loss Repayment Procedure		MAPP Policies and Procedures Pg. 49 Section 6	August 5, 2005	June 2008
RAC	Manual Load Shedding Procedure		MAIN Guide 1B	May 9, 2003	June 2007
RAC	New Control Area Procedure		NERC web site at Fast Link "Organization Registration and Certification" then "Control Area Certification"	March 29, 2001	June 2007
RAC	New Facility Guides Study Procedure		MAPP Member Reliability Criteria and Study Procedures Pg. 18 Section 3.2	November 19, 2004	June 2007
RAC	Post-disturbance Power flow		Member Reliability Criteria and Study Procedures Appendix J	November 19, 2004	June 2007
RAC	Processing Transmission Requests on the MAPP OASIS		MAPP Policies & Procedures Section 2.6, Appendix C	April 11, 2005	June 2008
RAC	Regional and Interregional Self-Assessment Reliability Reports	Regional Reliability Organization			
RAC	Regional Blackstart Capability Plan	Regional Reliability Organization	MAPP Reliability Handbook Section 3 Pg. 50	April 11, 2005	June 2008
RAC	Regional Data Requirements and Reporting Procedures	Regional Reliability Organization	MAPP Model Building Procedural Manual		
RAC	Regional Procedure for Transmission Protection System Misoperations	Regional Reliability Organization	MAPP Reliability Handbook Section 3 Pg. 36	April 11, 2005	June 2008
RAC	Regional Reporting Procedure	Regional Reliability Organization			

MRO/MAIN/MAPP Procedures, Operating Guides, Criteria (Work-in-Progress)

RAC	Regional TRM Methodology	Regional Reliability Organization	MAPP Reliability Handbook Appendix L	January 11, 2001	June 2007
RAC	Request Re-Evaluation		MAPP Policies and Procedures Section 2.9	April 11, 2005	June 2008
RAC	Restoration Plan	Transmission Operator			
RAC	Special Protection System Assessment	Regional Reliability Organization			
RAC	Special Protection System Database.	Regional Reliability Organization			
RAC	Special Protection System Review Procedure	Regional Reliability Organization			
RAC	Study Procedures (North Dakota, Twin Cities, & Interconnected)		MAPP Member Reliability Criteria and Study Procedures Section 4.2.1& 4.2.2	November 19, 2004	June 2007
RAC	System Emergencies				
RAC	Testing and Maintenance Procedures		Defined in MAPP Operating Policies Section 5.0	December 1, 2004	June 2007
RAC	Treatment of Nonmember Demand Data and How Uncertainties are Addressed in the Forecasts of Demand and Net Energy for Load	Load-Serving Entity, Planning Authority, Transmission Planner, Resource Planner	MAPP Load & Capability Data Request Worksheet 6.2	January 17, 2005	June 2008
RAC	Verify TRM Values	Regional Reliability Organization	MAPP Policies and Procedures Appendix L	January 11, 2001	June 2007
RC	Interconnected Switching Procedure	Control Area System Operators, Reliability Coordinators	Defined in MAPP Reliability Handbook Operating Policy #4 Section 2	December 1, 2004	June 2007
RC	Line Loading Relief Procedures		NERC Appendix 9C1 of NERC Operating Manual	August 5, 2005	June 2008
RC	Time Error Correction Procedure	Reliability Coordinator, Balancing Authority	NERC Operating Manual Appendix 1D	November 18, 1994	June 2006
RTC	Schedule F Monthly Billing Procedure		MAPP Policies and Procedures for Transmission Operators Pg. 7 Section 1.20.5	August 5, 2005	June 2008
RTC	Transfer Capability Procedure		MAIN Guide 2, Appendix I & II	May 10, 1996	June 2006
RTC	Transmission Loss Compensation Procedure		MAPP Policies and Procedures for Transmission Operators Pg. 132 Appendix P	August 5, 2005	June 2008
	Automatic Operating Systems Procedure		Defined in MAIN Guide 2, Appendix I	May 10, 1996	June 2006

Agenda 8.b.

Activities Worksheet

Agenda 9.

2006 NERC Representative Nominations

May 16, 2005

To: MRO Board of Directors

From: Gordon Pietsch
Harry Terhune
Dan Skaar

Subject: NERC Committee Appointees

At the December 14, 2004 MRO Board meeting, the Board endorsed a plan to maintain the former MAPP NERC committee appointments through 2005. With the MRO assuming reliability functions of Northern MAIN Utilities and Saskatchewan Power on January 1, 2006 and April 30, 2005, respectively, the rationale was that the MRO should re-evaluate the appointment process in 2005, with a new slate of appointees to be considered at the December 13, 2005 meeting.

A matrix referencing each MRO standing committee, subcommittee, etc. is attached. The names of the current appointees are also listed in the matrix.

We recommend the following schedule:

September 1 ↕ 60 days	Staff and MRO Standing Committee Chairs send a nomination request for NERC committee, subcommittee, etc., appointments.
November 1	MRO Standing Committees evaluate candidates and prepare a slate for MRO Board approval. The appointments will be valid through June 30, 2008 (2 ½ years; normal appointment is 2 years; however a 2 ½ year appointment will place the MRO on the normal NERC schedule).
November 18	MRO standing committees finalize slate of candidates.
December 13	MRO Board approval.
December 15	Staff notifies NERC of new appointees.
January 1	Effective date of new NERC appointees from MRO.

We are requesting that the MRO Board approve the above schedule and procedures.

/slh

Attachment

NERC Committee / Subcommittee Representatives
MRO Region Representatives

NERC Committee / Subcommittee	**MRO Region Representative** (ending December 31, 2005)	**MRO Region Representative** (beginning January 1, 2006)	**Reports to MRO**
Compliance and Certification Committee	Gerry Steffens Manager of Operations/Reliability Rochester Public Utilities		Compliance Committee
Compliance and Certification Managers Committee	Shel Berg Senior Administrator MAPPCOR		Compliance Committee
Critical Infrastructure Protection Committee	Greg Fraser Manager System Support Manitoba Hydro Dave Kulisek Manager Energy Marketing Omaha Public Power District Scott McCoy Director of Security Xcel Energy <u>Alternates</u> Mike Brytowski IT Specialist MAPPCOR Bill Head Chief Operating Officer MAPPCOR		Board of Directors
Data Coordination Working Group	Matt Couillard Engineer MAPPCOR Peter Koegel Engineer MAPPCOR		Reliability Assessment Committee
Disturbance Analysis Working Group	Larry Larson Manager Delivery Operations Otter Tail Power Company		Reliability Assessment Committee
Examination Working Group	Mike Gough Western Area Power Admin.		Compliance Committee
Interchange Subcommittee	Al Boesch Operational Compliance Super. Nebraska Public Power District		Standards Committee
Interconnection Dynamics Working Group	Jason Weiers T&D Studies Engineer Otter Tail Power Company		Reliability Assessment Committee

NERC Committee / Subcommittee	MRO Region Representative (ending December 31, 2005)	MRO Region Representative (beginning January 1, 2006)	Reports to MRO
Load Forecasting Working Group	Scott Loseke Team Leader Energy Marketing Nebraska Public Power District Craig Kellas Manager, Market Forecast Manitoba Hydro George McClure, Alt. Statistical Officer Manitoba Hydro		Reliability Assessment Committee
Multiregional Modeling Working Group	Larry Brusseau Senior Reliability Engineer MAPPCOR		Reliability Assessment Committee
Operating Committee	Larry Larson Manager Delivery Operations Otter Tail Power Company		Board of Directors
Organization Certification Working Group	Shel Berg Senior Administrator MAPPCOR		Board of Directors
Personnel Certification Governance Committee	Jake Burger Transmission System Controller Nebraska Public Power District		Compliance Committee
Personnel Subcommittee	Earl Cass Manager Generation Control & Transmission Scheduling Western Area Power Admin.		Compliance Committee
Planning Committee	Ken Kuyper Sr. Vice President Engineering & System Operations Corn Belt Power Cooperative		Board of Directors
Planning Reliability Model Task Force	Ken Kuyper Sr. Vice President Engineering & System Operations Corn Belt Power Cooperative		Reliability Assessment Committee
Planning Standards Task Force	Greg Pieper System Control Manager Xcel Energy		Standards Committee
Regional Managers	Dan Skaar President Midwest Reliability Organization		Board of Directors
Reliability Assessment Subcommittee	Hoa Nguyen Power Supply Coordinator Montana-Dakota Utilities		Reliability Assessment Committee
Resource Issues Subcommittee	Bill Head Chief Operating Officer MAPPCOR		Standards Committee
Resources Subcommittee	Alan Oneal Director Trading Operations MidAmerican Energy Company		Standards Committee

NERC Committee / Subcommittee	**MRO Region Representative** (ending December 31, 2005)	**MRO Region Representative** (beginning January 1, 2006)	**Reports to MRO**
SAR & Standards Drafting Teams	Various as needed		Standards Committee
Stakeholders Committee	Bob Harris Regional Manager Western Area Power Admin.		Board of Directors
Standards Evaluation Subcommittee	Ron Mazur Manager System Planning Manitoba Hydro		Standards Committee
System Protection and Control Task Force	Deven Bhan Western Area Power Admin.		Reliability Assessment Committee
Transmission Issues Subcommittee	Lloyd Linke Operations Manager Western Area Power Admin.		Reliability Assessment Committee
Transmission Subcommittee	Darrick Moe Operations Support Manager Western Area Power Admin.		Standards Committee
Vegetation Management Task Force			Reliability Assessment Committee

Agenda 10.

NERC Representative Reports

Report on the NERC Standards Evaluation Subcommittee Activities

Date: October 17, 2005

To: MRO Standards Subcommittee

From: Ron W. Mazur

Re: NERC Report on SES

Summary of Actions Taken by NERC SES

The SES met via telephone conference on October 6, 2005.

The SES reviewed comments prepared by SES Members on Set I of the Phase III/IV standards. The SES comments were finalized and forwarded to the NERC Standard Drafting Team on October 17, 2005.

Summary of Direction Provided by MRO SC

The MRO draft comments on these posted standards were provided to the SES for consideration.

Next Steps

The SES plan to review and comment on future planning related SAR and Standards, as well as NAESB standards related to planning issues.

NERC REPRESENTATIVE REPORTING FORM

Date: 9/06/05

To: MRO Standards Committee

From: Alan Boesch

Re: Interchange Subcommittee Meeting
08/23/05-08/26/05

Summary of Actions Taken by the Interchange Subcommittee

Doug Hils convened the meeting as the outgoing chairman and introduce Al Boesch as the next Interchange Subcommittee (IS) chairman. The group reviewed a letter addressed to the Interchange Subcommittee Chair from the WECC Interchange Scheduling and Accounting Subcommittee (ISAS) concerning the capability of the current e-tag system. The letter also discussed the ISAS intention to pursuing a path to make the e-Tag the official means of schedule communication in the WECC.
After discussion on the issues, the IS decided to issue a letter of response.
At the last meeting the TISWG was directed to develop a cost benefit analysis of implementing the Interchange Authority. The TISWG presented a draft version of the Business Case. The IS commented on the Business Case and ask the TISWG to further develop the costs of implementing an Interchange Authority.
The subcommittee discussed the possible impacts of changing the dates for daylight saving time as discussed in the recently approved energy bill. After discussion the IS did not believe that it would be a software issue for e-tag. The existing specification requires vendors to make adjustments for daylight savings time. A e-tag vendor that was attending the meeting agreed with the IS.
The IS made some modifications to the survey that will be sent to the industry to complete a dynamic transfer catalog. Because of the Real-time Tools Best Practices Task Force Survey that was recently issued by NERC the IS decided to delay the dynamic transfer survey to October.

Next Steps

Draft a letter to the WECC ISAS to answer their questions and thank them for the update on the plans for a WECC scheduling tool.

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

Princeton Forrestal Village, 116-390 Village Boulevard, Princeton, New Jersey 08540-5731

Compliance and Certification Committee Meeting

September 28–29, 2005
Denver, Colorado

Highlights

Compliance Enforcement Program Principles and Rules — Approved the *Compliance Enforcement Program Principles and Rules* to serve as the foundation for the processes and procedures that will comprise the future compliance enforcement program. This document will be presented to the Post-Legislation Steering Committee for consideration in the ERO transition effort.

Violation Risk Assessment — Discussed a method under research for categorizing the impact a violation of each standard requirement would have on reliability. Later, in a joint meeting with the Standards Authorization Committee (SAC), the Compliance and Certification Committee agreed to work jointly with the SAC to develop a single approach to categorizing the impact of a violation of each of the standard requirements.

Organization Certification Working Group — Directed revisions to the draft *Organization Certification Registration Process Manual* from the Compliance Audit Subcommittee. These changes will be forwarded to the Organization Certification Working Group to include in the manual. The process for registering entities is projected to begin in January 2006.

2006 NERC Business Plan — Agreed to e-mail ballot the need to add additional resources to the compliance and certification program as outlined in the 2006 business plan. The final recommendation will go to the Finance and Audit Committee for its decision on the 2006 business plan. Ensuring adequate staffing for the organization certification and cyber-security compliance projects are key for 2006.

Peer Review Process — Approved the Compliance and Certification Managers Committee process for reviewing standards violations in a peer setting to promote consistency among the regions for findings of noncompliance.

Agenda 11.

NERC Drafting Team Reports

NERC REPRESENTATIVE REPORTING FORM

Date: 9/06/05

To: MRO Standards Committee

From: Alan Boesch

Re: NERC Certification Standard Drafting Team Meeting 08/03/05-08/05/05

Summary of Actions Taken by the Certification Standard Drafting Team

The Certification Standard Drafting team met to finalize the standards for certification of the Balancing Authority, Transmission Operator and Reliability Coordinator. The drafting team completed the review of comments received during the recent posting period and drafted responses to the comments. Modifications to the Balancing Authority and Transmission Operator standards were completed. The drafting team started the review of comments and drafting responses for the Reliability Coordinator certification standards. Meeting time did not accommodate the completion of this work and was completed in subsequent conference calls.

Next Steps

The 26 standards associated with certification of the Balancing Authority, Transmission Operator and Reliability Coordinator were posted for a 45 day comment period on September 1st. The standards are scheduled for ballot in the fourth quarter of 2005 and will be presented to the NERC Board for approval in February.

NERC REPRESENTATIVE REPORTING FORM

Date: November 4th, 2005

To: Midwest Reliability Standards Committee

From: Earl F. Cass

Re: NERC System Personnel Standard Drafting Team Activities, October 2005

System Personnel Training Standard

All members of the PS are members of the System Personnel Training Standard drafting team. We are currently working on our fifth internal draft with members of the group working on the process, the requirements and compliance measures. It is the group's intent to have the first public draft of the document out for comment in December of 2005.

At our last meeting we reduced the size of the draft document from 20 pages to 12 pages and will continue editing out items which are not requirements and will place them in a reference document.

Earl F. Cass
MRO drafting team member

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

Princeton Forrestal Village, 116-390 Village Boulevard, Princeton, New Jersey 08540-5731

Assess Transmission Future Needs and Develop Transmission Plans SAR Drafting Team

August 31–September 1, 2004

Portland, Oregon

Draft Minutes

Assess Transmission Future Needs and Develop Transmission Plans SAR Drafting Team Chairman Paul Rocha presided over a meeting of the drafting team on Tuesday, August 31, 2004 from 1–4:45 p.m. and Wednesday, September 1, 2004 from 8 a.m.–3 p.m. The meeting notice and agenda are attached as **Exhibit A**.

Attendance

The list of attendees is attached as **Exhibit B**.

Administrative

Paul Rocha welcomed the attendees. Marv Landauer explained the arrangements for the drafting team's visit to an early vintage power plant after the conclusion of Tuesday's meeting. The minutes of the July 26–27, 2004 Chicago meeting of the drafting team were approved.

Table 1 and the Application of Probabilistic Planning Techniques

The SAR drafting team recommends that the standard drafting team revisit the categories and events in Table 1 of the existing planning standards, when the new standard is drafted. Appropriate revisions to the various events and categories should be made at that time. The SAR drafting team also believes the concept of modifications to the deterministic list of contingencies from Table 1 by a Planning Authority or Region based on probabilistic planning methods should be provided for in the new standard. The SAR drafting team believes that Planning Authorities or Regions that wish to incorporate probabilistic techniques to alter the deterministic Table 1 events/categories should gain approval for those techniques through the standards setting process.

Response to Industry Comments on Version 2 of the Transmission Planning SAR & Comment Form

The drafting team completed its review of, and response to, industry comments on the posted SAR. Margaret Stambach documented these responses, and will distribute them to the drafting team for final review, in the form of a "Consideration of Comments" document.. This document will also contain the drafting team's response to industry comments on the six questions in the Comment Form posted with Version 2 of the SAR.

Red Line SAR

NERC Staff will revise the current version of the SAR based on the discussions held by, and the decisions reached by, the drafting team during its deliberations. The SAR redraft will be distributed to the drafting team by September 17, 2004. The drafting team should return any additional changes by September 24, 2004.

Future Meetings

The SAR drafting team will meet next in an internet-based conference call on October 1, 2004 between 11 a.m.–1 p.m. EASTERN time to discuss any revisions to the SAR. This technique will allow additional revisions to the SAR to be incorporated on the spot. The conference call setup will be established 15 minutes prior to the meeting time to facilitate the participants signing on.

Adjourn

There being no further business, the meeting was adjourned at 3 p.m. on September 1, 2004.

Exhibit A

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

Princeton Forrestal Village, 116-390 Village Boulevard, Princeton, New Jersey 08540-5731

Meeting Announcement

After surveying the drafting team members for the meeting dates that would suit the most people, our Chairman has selected August 31 (1:00 to 5:00 p.m.) and September 1 (8:00 a.m. to 5:00 p.m.) at the airport conference center in Portland, Oregon for our next meeting. I will provide directions/information about the conference room before the meeting. There are numerous hotels near the airport, so you will not be limited to a hotel that is selected by NERC. I am attaching some information from Marv Landauer, and will ask you later for your interest. A chance to look at an old power plant is always something to consider.

Agenda

Chairman's Comments — Paul Rocha
Meeting Arrangements/NERC Anti-Trust Guidelines — John Twitchell
Review of Industry Comments to SAR Version 2 (continued) — All
Redraft of SAR Version 2 — All
SAC Response to SAR DT Questions — Paul Rocha
Future Meetings — Paul Rocha

Exhibit B

ASSESS TRANSMISSION FUTURE NEEDS AND DEVELOP TRANSMISSION PLANS SAR DRAFTING TEAM ATTENDANCE

AUGUST 31–SEPTEMBER 1, 2004

K. R. Chakravarthi – Southern Company
Brian Keel – Salt River Project
Paul Kuras – PJM – Attended September 1, 2004
Marv Landauer – BPA
Robert Millard – MAIN Compliance Staff
Thomas Mielnik – MidAmerican Energy Company
John Odom – Progress Energy Florida
Bernie Pasternack – American Electric Power Service Corp.
Philip Riley – Public Service Commission of South Carolina
Paul Rocha – CenterPoint Energy
Chifong Thomas – Pacific Gas and Electric Company
Yury Tsimberg – HydroOne
Jim Useldinger – Kansas City Power and Light
Jeffrey Webb – Midwest ISO
Margaret Stambach – Facilitator
John Twitchell – NERC Staff

Agenda 12.

Task List

Updated: 10/25/05

Standards Committee 2005 Activities List

Activities for 2005:	**Status:**	**Assigned To:**
The primary activity of the SC in 2005 will be to develop Organization Standards. The SC has started this process by identifying all of the requirements of the Version 0 Standards that pertain to the Regional Reliability Organization.	• SAR for the initial set of MRO Standards has been approved. • A SDT has been formed and has started the process of drafting a set of MRO standards to be used in the 2006 compliance program. • Standards are currently posted for comments. • Drafting Team reviewed comments and standards posted for a second commenting period.	Ben D & ADT
The SC is working with staff to start Ballot Body registration and arrange to use the NERC posting, commenting and voting mechanism for Organization Standards.	• The Balloting software is in operation and being utilized. • Development continues on the balloting portion and testing is expected to start by mid-August. • Balloting and SAR software undergoing staff testing.	Ben D
The SC will work with the MRO Compliance Office to establish administration procedures for certification of functional organizations once NERC certification standards are approved.	• The initial registration procedure has been completed. • The certification procedures will be developed once the NERC standards on certification are adopted by the NERC Board of Trustees. • Standards are currently being drafted. • MRO has commented on the draft versions.	Al Boesch
The SC is determining what procedures are required by the NERC standards and assigning them to the appropriate MRO committees.	• Initial identification of required procedures has been completed. • Procedures are being identified and ownership is being assigned to the standing committees. • Phase III-IV standards are being discussed at the SC level for next steps.	Larry L
The SC is reviewing the Standards Process Manual to determine if modifications should be recommended.	• Review has started and changes to the NERC Standards Process Manual are being monitored. • SAR has been written and accepted by the SC. • Drafting Team formed • Process manual proposal posted for public comment	Tim N
Develop a Regional Handbook Standards Section	• Compile standards section of the Regional Handbook	Ben D
Completed Tasks		
The SC is preparing a cross-reference table to be used with the MRO transition standards once the NERC Version 0 standards are in force. This is needed because the MAPP specific standards that become the transition standards are written to be consistent with the current NERC standards. The format and function names have been significantly changed in the Version 0 Standards.	• This is complete and the table is posted on MRO website.	
The SC will make a recommendation to the Board concerning the adoption of the NERC Version 0 Standards as organization Standards.	• The Board has adopted the NERC Version 0 Standards as MRO Standards at the recommendation of the SC.	

Agenda 13.

Other Business

Agenda 14.

Next Meeting

Agenda 15.

Adjourn
