

NERC ATC/TTC/CBM/TRM Standards Drafting Team

August 7–9, 2007 — 8 a.m.–5 p.m. Pacific Daylight Time

**BPA Headquarters Offices
Portland, Oregon**

Meeting, Conference Call, and WebEx Agenda

- 1. Welcome (Day 1, 8–8:30 a.m.)**
 - NERC Antitrust Compliance Guidelines
 - Introduction of Attendees
 - Adoption of Agenda
 - Approval of Meeting Notes

- 2. NERC Staff Update (Day 1, 8:30 a.m.–8:45 a.m.)**
 - SAR Update
 - Project Schedule
 - Future Meetings
 - August 27–29 — 8 a.m.–5 p.m. all three days, Washington, D.C. — APPA Offices
 - September 12–14 — 1–5, 8–5, 8–5, Houston, Texas — NAESB Offices
 - November 7–9 — 8–5, 8–5, 8–12, Washington, D.C. — NERC Office

- 3. Responses to Comments and Associated Standards Updates**
 - MOD-028 Review (Day 1, 8:45 a.m.–noon)
 - MOD-029 Review (Day 1, 12:45 p.m.–4 p.m.)
 - MOD-030 Review (Day 1, 4 p.m.–5 p.m.; Day 2, 8 a.m.–10:15 p.m.)
 - MOD-001 Review (Day 2, 10:15 p.m.–2:15 p.m.)
 - MOD-004 Review (Day 2, 2:15 p.m.–5 p.m.; Day 3, 10 a.m.–10:30 a.m.)
 - MOD-008 Review (Day 3, 10:30 a.m.–2:30 p.m.)

- 4. Joint NERC/NAESB Meeting (Day 3, 8 a.m.–10 a.m.)**
 - Review EPSA comments
 - NAESB Update

- 5. Assignments and Action Items (Day 3, 2:30 p.m.–4p.m.)**

- 6. Adjournment**

Conference Call and WebEx Information

- **August 7, 2007**
 - Conference Call
 - Dial in: 732-694-2061
 - Passcode: 1205080707
 - WebEx
 - <http://nerc.webex.com>
 - Password: standards
- **August 8, 2007**
 - Conference Call
 - Dial in: 732-694-2061
 - Password: 1205080807
 - WebEx
 - <http://nerc.webex.com>
 - Password = standards
- **August 9, 2007**
 - Conference Call
 - Dial in: 732-694-2061
 - Password: 1205080907
 - WebEx
 - <http://nerc.webex.com>
 - Password: standards



NERC ANTITRUST COMPLIANCE GUIDELINES

I. GENERAL

It is NERC'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 NERC participant and employee who may in any way affect NERC'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 NERC 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 NERC policy contained in these guidelines is stricter than the applicable antitrust laws. Any NERC participant or employee who is uncertain about the legal ramifications of a particular course of conduct or who has doubts or concerns about whether NERC's antitrust compliance policy is implicated in any situation should consult NERC's General Counsel immediately.

II. PROHIBITED ACTIVITIES

Participants in NERC activities (including those of its committees and subgroups) should refrain from the following when acting in their capacity as participants in NERC activities (e.g., at NERC 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 NERC (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 NERC meetings and in other NERC-related communications.

You should also ensure that NERC procedures, including those set forth in NERC's Certificate of Incorporation and Bylaws are followed in conducting NERC business. Other NERC procedures that may be applicable to a particular NERC activity include the following:

- Reliability Standards Process Manual
- Organization and Procedures Manual for the NERC Standing Committees

- System Operator Certification Program

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

No decisions should be made nor any actions taken in NERC 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 NERC reliability standards should not be influenced by anti-competitive motivations.

Subject to the foregoing restrictions, participants in NERC 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 market operations 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 NERC, such as nominations for vacant committee positions, budgeting and assessments, and employment matters; and procedural matters such as planning and scheduling meetings.

Any other matters that do not clearly fall within these guidelines should be reviewed with NERC's General Counsel before being discussed.

Approved by NERC Board of Trustees, June 14, 2002 Technical revisions, May 13, 2005 2

Meeting Notes

ATC/TTC/AFC and CBM/TRM Revisions (Project 2006-07) Standard Drafting Team Meeting, Conference Call, and WebEx

July 11–13, 2007 — Atlanta, Georgia

Agenda

1. Administration

a. Introduction of Attendees

The following members and guest were in attendance:

- Larry Middleton, Chair
- Daryn Barker
- Jeremy Bennett
- Rebecca Berdahl
- Bob Birch
- Shannon Black
- John Burnett
- Ron Carlsen
- DuShaune Carter
- Chuck Falls
- Nick Henery
- Ray Kershaw
- Dennis Kimm
- Ross Kovacs
- Laura Lee
- Bill Lohrman
- Israel Melendez
- Cheryl Mendrala
- Abbey Nulph
- Ed Ruck
- Narinder Saini
- Nate Schweighart
- Jerry Smith
- Andy Rodriguez

b. NERC Antitrust Compliance Guidelines

Andy Rodriguez reviewed the NERC Antitrust Compliance Guidelines.

c. Adoption of Agenda

Dennis Kimm moved for the agenda to be approved. The motion was seconded, and passed unanimously.

d. Approval of Minutes

Larry Middleton moved for the minutes from the last meeting to be approved. The motion was seconded, and passed unanimously.

2. Future Meetings and Schedule Review

The Drafting Team reviewed the schedule for the remaining ATCT work.

3. Responses to Comments and Associated Standards Updates

The Drafting Team began looking at the comments to MOD-001. Shannon Black pointed out that the entity for which he submitted comments was not “SMUD” but “WECC ATC Task Force,” and requested the affiliation be changed. Andy Rodriguez was requested to confirm with Don Benjamin how to handle the fact that the term “Planning Coordinator” was not defined in the Glossary. General discussion of the function model was undertaken. At a high level, it was agreed that the Planning Coordinator picks the methodology for the Planning Horizon, the Transmission Operator picks the methodology for the Operating Horizon, and the Transmission Service provide then does his work based on these decisions.

4. NERC/NAESB Joint Call

a. Introduction of Attendees

The following people joined the meeting via conference call:

- Jonathon Booe
- Mike Gildea
- Francis Halpin
- Laura Kennedy
- Barbara Rehman
- Narinder Saini
- J.T. Wood

b. NAESB Antitrust Guidelines

Laura Kennedy read the NAESB Antitrust Guidelines.

c. NAESB Responses to ATCTDT Responses to NAESB Comments on MODs 1,4,8,28,29, and 30

The two teams reviewed and clarified the responses from the previous meetings.

d. NAESB Draft Complementary Business Practices

J.T. Wood walked the team through NAESB’s draft language related to ATCT. The NAESB team asked the NERC drafting team whether or not the NAESB draft language should be posted. Both teams discussed this topic, and decided that NAESB would post its language for informal comment when NERC posts its next draft of the standard.

e. New NAESB Comments on MODs 1,4,8,28,29, and 30

The two teams discussed making proper names for all documents that NAESB might post, such that they could easily be referenced. In general, it was agreed that NERC would only write standards requiring the posting and/or sharing of data due to reliability needs; NAESB would write the business practices that deal with transparency and open access. NAESB would also submit its practices related to postings to NERC prior to filing, such that NERC could verify there are no security concerns with the information to be posted.

f. NAESB MOD-003 Replacement

The ATCT Drafting Team reviewed the modifications NAESB had made to its business practice based on the Drafting Team’s earlier comments.

5. Responses to Comments and Associated Standards Updates (continued)

The Drafting Team continued to work through the MOD-001 standard comments. Some issues that arose to be addressed:

Are there any conflicts with FAC-008 and FAC-009? Nick Henery, Narinder Saini, and Bob Birch agreed to work on this area and make a recommendation.

Some commenters requested “Narrative Descriptions” of the methodologies. Abbey Nulph and Narinder Saini volunteered to work on these descriptions.

The Drafting Team, led by Ray Kershaw, moved on to the CBM standard (MOD-004). Several issues came about that need in-depth discussion:

How does CBM queuing work? How does it relate to firm service?

Can we provide more clarity on how to “allocate” CBM to paths or flowgates?

How do we address the probabilistic aspects of CBM?

6. New business

- a. The Drafting Team discussed the progress made on the comments. Instead of completing responses on MODs 1, 4, 8, and 28, as originally planned, the group was only able to complete initial responses to MOD-001 and half of MOD-004. Andy Rodriguez was tasked to review and redevelop the schedule.

7. Adjourn

Meeting Notes

ATC/TTC/AFC and CBM/TRM Revisions (Project 2006-07) Standard Drafting Team Meeting, Conference Call, and WebEx

July 16–19, 2007 — Vancouver, BC

Agenda

1. Administration

a. Introduction of Attendees

The following members and guest were in attendance:

- Larry Middleton, Chair
- Rebecca Berdahl
- Daryn Barker
- Bob Birch
- Shannon Black
- John Burnett
- Ron Carlsen
- DuShaune Carter
- Sedina Eric
- Chuck Falls
- Rob Porter
- Nick Henery
- Ray Kershaw
- Ross Kovacs
- Laura Lee
- David Lunceford
- Cheryl Mendrala
- Abbey Nulph
- Barbara Rehman
- Ed Ruck
- Nate Schweighart
- Jerry Smith
- Stephen Tran
- Andy Rodriguez

b. NERC Antitrust Compliance Guidelines

Andy Rodriguez reviewed the NERC Antitrust Compliance Guidance.

c. Adoption of Agenda

Jerry Smith moved for the agenda to be approved. The motion was seconded, and passed unanimously.

2. Responses to Comments and Associated Standards Updates

The Drafting Team, led by Ray Kershaw, continued the work on the CBM standard (MOD-004) comment responses from the previous week's meetings.

3. SAR Comments

The drafting team wrote responses to the comments on the supplemental SAR. Andy Rodriguez was tasked with incorporating in the details of the ATCT whitepaper and cleaning up the comments. The team agreed the comments and changes to the SAR were complete, and tasked Andy Rodriguez with confirming the next steps with the Standards Process Manager, Maureen Long.

4. Comments from NERC Leadership

David Whitely, Executive Vice-president at NERC, addressed the team. He offered his thanks to the team for their hard work, emphasized that more detail in requirements would be more beneficial in the long run than loose or general requirements, and encouraged the team to continue working hard to meet the FERC's timeline.

5. Responses to Comments and Associated Standards Updates (continued)

The Drafting Team, led by Nate Schweighart, began to work on the TRM standard (MOD-008) comment responses. It was suggested that a "white paper" be written that would describe best practices for calculation of TRM. Andy Rodriguez was tasked with finding a group in the NERC process, such as the Planning Committee, that would be able to write such a paper. Requirement 1.5 was discussed in depth. It was also discussed that the Functional Model lacked an entity – the "Operations Planner," who coordinated between real-time and long-term planning.

6. Discussion of Schedule and Future Meetings

The Drafting Team reviewed the meetings and scheduled in light of the depth of effort being required to work through the comments received. The team decided to set the next draft posting target for September 1st. To meet this goal, the following meetings were scheduled:

- August 6–8 — 8 a.m.–5 p.m. — all three days — Portland, OR (BPA)
- August 27–29 — 8 a.m.–5 p.m. — all three days — Washington, D.C. (APPA)
- The remaining days of July and August, up to the meeting on the 27th, will be used by sub-teams to work on the comments and standards updates.

Andy Rodriguez was tasked with organizing the work so far into areas that could be assigned to the sub-teams.

7. NERC/NAESB Joint Call

d. Introduction of Attendees

The following people joined the meeting:

- Victor Bissonette
- Jonathon Booe
- John Canavan
- Mike Gildea
- Francis Halpin
- Laura Kennedy
- Gail Parker
- Alan Pritchard
- Narinder Saini
- Kathy York
- J.T. Wood

e. NAESB Antitrust Guidelines

Laura Kennedy read the NAESB Antitrust Guidelines.

f. Review of MOD-4, 8, 1 and the Supplemental SAR Responses and Updates

The Drafting Team walked through the various work products that had been developed. It was discussed that NAESB is expecting that CBM will be assigned an A-Ref from OASIS, and scheduling over CBM will require this A-Ref (just like a reservation). Some concerns were expressed that the ATCTDT might be going too far when trying to ensure ATCT coordination between TSPs. It was also pointed out that 889 has a requirement to post beyond yearly in some cases:

“If planning and specific requested transmission studies have been done, seasonal capability shall be posted for the year following the current year and for each year following to the end of the planning horizon, but not to exceed 10 years.” (889, from p64, III.H.2.B)

It was requested that the formulas for what is to be posted be explicitly clear, including whether then numbers to be posted are “internal” numbers or “external” numbers (e.g., includes study and accepted, or only confirmed).

8. Work Strategy

The Drafting Team identified the work to be done, and assigned the following work-teams as described below. The goal is to have draft language completed for review at the next meeting in Portland.

FLOWGATE TEAM — Leader: Larry M. Team Nate S., Narinder S., Dennis K.

Task 1 — Rewriting TRM to allow a "percentage per flowgate" approach

Task 2 — Allocation of CBM and TRM for Flowgate

Task 3 — Respond to MOD-030 Comments

Task 4 — New Draft of MOD-030

DuShaune Carter

Task 1 — Allocation of CBM and TRM for Area Interchange

TTC TEAM — Leader: Bob B.

Team: Nick H., Chuck F.

Task 1 — Including SOLs and IROLs in the ATC/TTC standards

Task 2 — Improving the TTC language

CBM TEAM — Leader: Ray K. Team: Larry M., Dennis K., DuShaune C.

Task 1 — Allowing entities who need it to use CBM, but giving priority to those who requested it- CBM TEAM

Task 2 — Queuing of CBM (with competing CBM requests, as well as those competing with Firm requests)

Task 3 — Durations and or profiles of CBM requests (Monthly? Seasonal? Etc...)

Task 4 — Simultaneous studies of CBM (or "max of" all requests on the path)

Task 5 — Scheduling of CBM – tagged? After the fact? Etc...

Task 6 — How often must CBM be updated to ensure it isn't hoarded (e.g., if needs change)?

Task 7 — How does an LSE determine how much CBM they need (and should that be in the standard – or just make it transparent)?

Task 8 — Respond to MOD-004 Comments

Task 9 — New Draft of MOD-004

RESERVATION TEAM — Leader: Larry M. Team: Ron C.

Task 1 — How should TSRs in a state of Study or Accepted be treated in the ATC process (both your own TSRs and 3rd party TSRs)?

Task 2 — Details of modeling reservations (partial path, thresholds, etc...)

Andy Rodriquez

Task 1 — Clean up MOD-001 Comments

Task 2 — Clean up MOD-001

Task 3 — Clean up MOD-008 Comments

Task 4 — Clean up MOD-008

AREA INTERCHANGE TEAM — Leader Laura L. Team: Ron C., Cheryl M., Ross K.)

Task 1 — Respond to MOD-028 Comments

Task 2 — New Draft of MOD-028

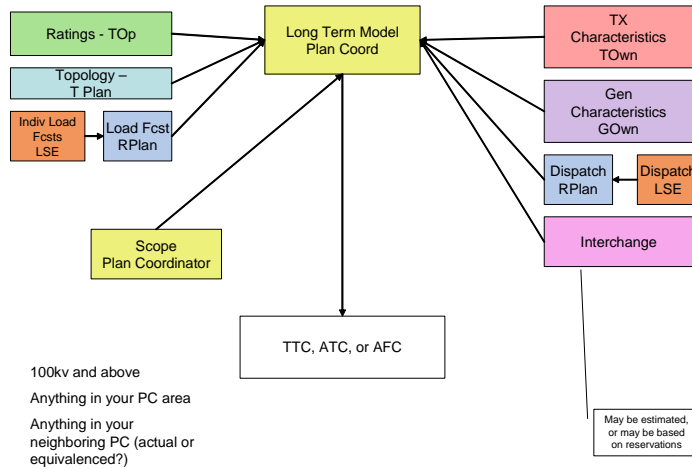
RATED SYSTEM PATH TEAM — Leader Chuck F., Team: Shannon B., Abbey N.)

Task 1 — Respond to MOD-029 Comments

Task 2 — New Draft of MOD-029

9. New business

The Drafting Team reviewed the Functional Model, and attempted to identify the entities that were working on ATC tasks. The following diagrams were created:



	Rated System Path	Area Interchange	Flowgate
Who picks the methodology?	Planning Coordinator		
Who creates the model?	Transmission Operator (Should be "Operations Planner", but this does not exist in FM)		
Who calcs TTC?	Transmission Operator (Should be "Operations Planner", but this does not exist in FM)		Not Applicable
Who calcs ATC?	Transmission Service Provider ATC		Transmission Service Provider AFC and ATC

10. Adjourn