

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials

February 4-5, 2008

North American Energy Standards Board

Executive Committee Meeting

Wholesale Electric Quadrant

February 4-5, 2008

NAESB Offices, Houston, Texas

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials

November 6, 2007

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TAB 1

Welcome and Opening Remarks

EC Members & Terms

Schedule of 2008 Meetings

- This section of the meeting materials includes the welcome and opening remarks, the antitrust statement guidance, the EC members and alternates terms, and the schedule of the 2008 meetings.
- No action is required by the EC for any of these documents.
- The meeting materials are references for agenda item 1 of each of the quadrant meetings.
- Jonathan Booe will call roll to establish quorum.

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials

February 4-5, 2008

1. Welcome and Opening Remarks

The November 6 Executive Committee meeting will be held in Houston, Texas at the NAESB offices. Meeting arrangements and nearby hotels are posted and were contained in the meeting announcements.

Where: NAESB Offices, 1301 Fannin Street, Houston, Texas, 77001 -- 13th Floor – San Jacinto Room

Contact: Veronica Thomason, 713-356-0060 (main number)

When: Monday February 4 (1:00 pm to 5:00 pm C), Tuesday February 5 (9:00 am to 4:00 pm C)

- For further assistance please reach:

Veronica Thomason at (713) 356 - 0060
- The officers and meeting administration presiding over the Executive Committee meeting are:

Kathy York	- WEQ Chairman
Rae McQuade	- President and COO
Jonathan Booe	- NAESB Counsel
Veronica Thomason	- NAESB Staff
Jill Webb, Preferred Legal Services	- Transcription Services
- Transcripts will be available and can be ordered either during the meeting through Preferred Legal Services or by contacting the NAESB office after the meeting for further information, 713-356-0060.
- To participate by phone and web cast, please call the NAESB office (713-356-0060, naesb@naesb.org) for conference calling information.

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials

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Antitrust Guidelines

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials

February 4-5, 2008

1. Antitrust Guidelines

- The antitrust guidelines will be covered by Mr. Jonathan Booe. The points are:

Antitrust guidelines direct meeting participants to avoid discussion of topics or behavior that would result in anticompetitive behavior including: restraint of trade and conspiracies to monopolize, unfair or deceptive business acts or practices, price discriminations, division of markets, allocation of production, imposition of boycotts, and exclusive dealing arrangements.

Any views, opinions or positions presented or discussed by meeting participants are the views of the individual meeting participants and their organizations. Any such views, opinions or positions are not the views, positions or opinions of NAESB, the NAESB Board of Directors, or any NAESB Committee or Subcommittee, unless specifically noted otherwise.

As it is not the purpose of the meeting to discuss any antitrust topics, if anyone believes we are straying into improper areas, please let us know and we will redirect the conversation.

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials

February 4-5, 2008

EC Members & Terms



North American Energy Standards Board

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NORTH AMERICAN ENERGY STANDARDS BOARD 2008 EXECUTIVE COMMITTEE TERMS – Wholesale Electric Quadrant

TRANSMISSION SEGMENT		TERM END:	SUBSEGMENT:
Patrick McGovern	Manager - System Services, Georgia Transmission Corporation	12-31-2009	Muni/Coop
Steven C. Cobb	Manager Transmission Services, Salt River Project	12-31-2008	Fed/State/Prov.
Dean Ulch	Principal Engineer, Transmission Policy and Services Group, Southern Company Services	12-31-2008	IOU
Edward Davis	Policy Consultant, Entergy Services, Inc.	12-31-2009	IOU
Julie Voeck	Manager Strategic Policy and Planning, American Transmission Company	12-31-2008	ITC
Bob Harshbarger	OASIS Trading Manager, Puget Sound Energy	12-31-2009	at large
Michael Wells	Director, Market Operations Interface, WECC	12-31-2009	At-Large
GENERATION SEGMENT			
William J. Gallagher	Special Contracts Chief, Vermont Public Power Supply Authority	12-31-2009	Muni/Coop
Kathy York	Sr. Energy Markets & Policy Specialist, Tennessee Valley Authority	12-31-2008	Fed/State/Prov.
Jalal Babik	Manager – Electric Policy, Dominion Resource Services, Inc.	12-31-2008	IOU
John Ciza	Project Manager Energy Policy and Regulatory Affairs, Southern Company Services	12-31-2009	IOU
V A C A N C Y		12-31-2008	Merchant
Gary Hinners	Director- West regulatory Issues, Reliant Energy, Inc.	12-31-2009	at large
Neal Balu	Director of Transmission Policy, Integrys Energy Services, Inc.	12-31-2009	at large
MARKETERS/BROKERS SEGMENT			
Clay A. Norris	Division Director, Planning, North Carolina Municipal Power Agency #1	12-31-2008	Muni/Coop
Clyde Harmon	Senior Manager, Trading Operations, Tennessee Valley Authority	12-31-2009	Fed/State/Prov.
Ralph Honeycutt	Director of Transmission Analysis & Operations – Merchant Management Group, SUEZ Energy Marketing NA, Inc.	12-31-2008	Not IOU Affiliated
Mark Mitchell	Manager of Power Marketing Supply and Trading Department, Salt River Project	12-31-2009	at large
John Apperson	Director – Commercial and Trading, PacifiCorp Energy	12-31-2008	IOU
V A C A N C Y		12-31-2009	IOU
Barry Green	Barry Green Consulting (representing Electric Power Supply Association (EPSA))	12-31-2009	at large



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DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT		TERM END:	SUBSEGMENT:
Robert Williams	Director of Regulatory Affairs, Florida Municipal Power Agency	12-31-2008	Muni/Coop
Robert Schwermann	Energy Coordinator, Sacramento Municipal Utility District	12-31-2009	Muni/Coop
Alan Pritchard	Senior Engineer, Duke Energy Corporation	12-31-2008	IOU
Jeffrey C. Mueller	Manager - ERO / RE Policy and Standards Interface, Public Service Electric and Gas Company	12-31-2009	IOU
Robert Martinko	Consultant FERC Compliance, FirstEnergy Service Company	12-31-2008	at large
Syd Berwager	Industry Restructuring Project Manager, Bonneville Power Administration/Power Business Line	12-31-2009	Other
Andy Rodriguez	Manager of Business Practice Coordination, NERC	12-31-2009	At-Large
END USERS SEGMENT			
V A C A N C Y		12-31-2009	at large
V A C A N C Y		12-31-2008	at large
Lou Ann Westerfield	Policy Strategist, Idaho Public Utilities Commission, rep. National Association of Regulatory Utility Commissioners	12-31-2008	Regulator
V A C A N C Y		12-31-2009	at large
V A C A N C Y		12-31-2008	at large
V A C A N C Y		12-31-2009	Large Industrial
Paul Sorenson	Director-Central Markets Strategy, Open Access Technology International, Inc.	12-31-2009	At-Large
INDEPENDENT GRID OPERATORS/PLANNERS			
Stu Bresler	General Manager, Market Operations, PJM Interconnection	12-31-2008	
Jim Castle	Manager, Grid Operations, New York Independent System Operator, Inc.	12-31-2008	
Matt Goldberg	Director Reliability & Operations Compliance ISO New England, Inc.	12-31-2008	
Steve Greenleaf	Director Regional Market Initiatives, California ISO	12-31-2008	
Joel Mickey	Manager Market Operations Support, Electric Reliability Council of Texas	12-31-2009	
Larry Middleton	Technical Manager, Transmission Assets, Midwest Independent Transmission System Operator	12-31-2009	
Charles Yeung	Executive Director Interregional Affairs, Southwest Power Pool	12-31-2009	



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NORTH AMERICAN ENERGY STANDARDS BOARD 2008 EXECUTIVE COMMITTEE ALTERNATES – Wholesale Electric Quadrant

End User Segment		Sub-Segment
Bill Heinrich	New York State Dept. of Public Service	Regulators
Distribution/LSE Segment		Sub-Segment
Shannon Black	Senior Regulatory and Contracts Specialist, Sacramento Municipal Utility District	Muni/Coop
Gerry Adamski	Vice President of Standards, NERC	At-Large
Generation Segment		Sub-Segment:
Joel Dison	Project Manager, Southern Company Generation and Energy Marketing	IOU
Francis Halpin	Bonneville Power Administration	Fed/State/Prov.
Marketer/Broker Segment		Sub-Segment:
Jeff Ackerman	Manager, CRSP-Energy Mgmt., Western Area Power Administration	Fed/State/Prov
Brenda Anderson	Bonneville Power Administration	Fed/State/Prov
Edison G. Elizeh	PacifiCorp	IOU Affiliated
Greg Locke	Manager, Strategic Analysis, ElectriCities of North Carolina	Muni/Coop
Valerie Crockett	Energy Markets & Policy Specialist, Tennessee Valley Authority	Fed/State/Prov
Carol McCrary	ElectriCities (North Carolina Municipal Power Agency #1)	Muni/Coop
Transmission Segment		Sub-Segment:
Barbara Rehman	Policy Development & Analysis, Bonneville Power Administration	Fed/State/Prov.
Tim Ponseti	Tennessee Valley Authority	Fed/State/Prov.
Chuck Feagans	Tennessee Valley Authority	Fed/State/Prov.
Wendy Weathers	Principal Analyst, Salt River Project – Transmission and Generation Operations	Fed/State/Prov
Bob McKee	American Transmission Company	ITC
Brian Weber	Manager – Transmission Strategy and Policy, PacifiCorp	IOU
Jane Daly	Rate & Regulatory Advisor, Arizona Public Service Company	IOU
William O. Ball	Vice President, Transmission Planning, Policy and Support Services, Southern Company Services, Inc.	IOU
Marceline Otondo	Regulatory Compliance Advisory, Arizona Public Service Company	IOU
Narinder Saini	Policy Consultant, Entergy Services, Inc.	IOU
J.T. Wood	Southern Company Services	IOU



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Independent Grid Operators/Planners Segment		Sub-Segment:
Brent Kingsford	Sr. Operations Regulatory Specialist, CAISO	
Paul Wattles	Supervisor Demand Side Programs, Electric Reliability Council of Texas (ERCOT)	
Bill Blevins	Sr. Market Support Analyst, Electric Reliability Council of Texas (ERCOT)	
Robert Coughlin	Principal Scientist Reliability & Operations Compliance, ISO New England, Inc.	
Ed Skiba	Technical Manager Standards Compliance and Strategy, Midwest ISO	
Brian Pedersen	Manager Transmission Services, Midwest ISO	
Dean Hartung	Manager Real Time Market Operations, PJM Interconnection	
Carl Monroe	Sr. Vice President Operations & Chief Operating Officer, Southwest Power Pool	
Greg Campoli	Supervisor – Reliability Compliance and Assessment, New York ISO	

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials

February 4-5, 2008

Schedule of 2008 Meetings



North American Energy Standards Board

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January 30, 2008

TO: NAESB Executive Committee and Interested Industry Participants
FROM: Rae McQuade, NAESB Executive Director
RE: Schedule of 2008 Meetings

Below is the schedule of 2008 meetings for the Executive Committee, Board of Directors and Advisory Council. Unless sponsors are noted for the meetings, they have been scheduled for Houston. Should other sponsors volunteer in the next few weeks for 2008, the Houston locations may change:

2008 Calendar of Board and EC Meetings		
Date	Meeting	Location
February 4-5	EC Meetings WEQ	Houston – NAESB Office
February 16	Advisory Council Meeting	Washington D.C. in conjunction with the NARUC Winter meetings
February 29	EC Meetings – Joint WEQ and WGQ	Houston – NAESB Office
March 27	Board of Directors	Houston – Marriott IAH
May 13-15	Executive Committee Meetings (WEQ, Retail, WGQ)	Washington D.C. – AGA Offices
June 26	Board of Directors Meeting & Strategic Planning Session	Houston – Wyndham Greenspoint
August 19-21	Executive Committee Meetings (WEQ, Retail, WGQ)	Colorado Springs, CO – EPNG Offices
September 25	Board of Directors	Houston – Wyndham Greenspoint
November 4-6	Executive Committee Meetings (WEQ, Retail, WGQ)	Richmond – Dominion Offices
December 18	Board of Directors	Houston – Wyndham Greenspoint

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials

February 4-5, 2008

TAB 2

Agenda

- Contained in this section is the agenda and meeting announcement as posted on the NAESB web site.
- The WEQ EC chair will entertain motions from the EC members of that quadrant to adopt the agenda. The motions to adopt are simple majority.
- The materials in Tab 2 correspond to agenda item 1 for the EC agendas.

Home Page: www.naesb.org

TO: NAESB Wholesale Electric Quadrant Executive Committee and Interested Industry Participants

FROM: Rae McQuade, NAESB President

RE: WEQ Executive Committee Meeting Announcement and Draft Agenda with links to Meeting Materials

Rae



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NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING WHOLESALE ELECTRIC QUADRANT (WEQ) DRAFT AGENDA WITH LINKS TO MEETING MATERIALS

Monday, February 4, 1:00 pm to 5:00 pm C

Tuesday, February 5, 2008 – 9:00 am to 4:00 pm C

1. Welcome
 - Antitrust Guidelines
 - Welcome to members and attendees
 - Quorum Establishment: Roll Call of [WEQ EC Members](#) and [Alternates](#)
 - Adoption of [WEQ Agenda](#)
2. Review of NAESB procedures for EC meetings and addressing comments and standards recommendations -- ***presentation to be given by Bill Boswell***
3. Wholesale Electric Quadrant Draft Minutes
 - Adoption of [Draft Minutes of November 6, 2007](#) WEQ EC Meeting
4. Discussion and consideration of recommendations for standards, comments submitted, and vote on:
 - [2008 AP 2\(i\)7](#) and [attachment](#) – OASIS Exemptions, Appendix C, Order 890 modifications to WEQ-001, [comments due 1-19-08](#), Comments: [IRC](#)
5. Discussion and review of pending recommendations. No voting will be taken.
 - [eTariff recommendation](#) and [attachment](#), drafted 1-29-08, [comments due 2-27-08](#)
 - Recommendations from ESS/ITS/BPS Order 890 - [Posting of Load Forecasts and Peak Load Data](#), and [ATC/TTC Narratives](#), works in progress – recommendations not yet completed for formal comment, expected for formal comment after 2-13-08
6. Discussion, consideration and vote to adopt minor corrections
 - [Version 1 minor corrections](#), as discussed at the December 12 WEQ Leadership Committee meeting, submitted by Mr. Skiba
 - [Minor corrections for final actions](#), submitted by Mr. Sorenson and Mr. Gilbert
 - [Minor corrections for final actions](#), submitted by Mr. Wood
7. Update on specific issues – no votes to be taken:
 - Order No. 890 Plan: [Work plan as of 1-15-08](#), [Order No. 890-A Cites](#)
 - DSM-EE efforts: [Retail plan](#) and [matrix](#), [Wholesale plan](#) and [matrix](#)
 - [NAESB filing of Version 1.0](#) – December 21, 2007
8. Subcommittee Updates and Plan Updates – no votes to be taken, except on changes suggested for the 2007 plan or if changes are suggested for the triage directions already approved by both Triage and the WEQ EC
 - Triage Subcommittee: [outstanding requests](#)
 - Business Practices Subcommittee (BPS) – ***presentation to be given***
 - Electronic Scheduling (ESS) and Information Technology (ITS) Subcommittees – ***presentation to be given***
 - Joint Interchange Scheduling Working Group (JISWG) – [EIR System Requirements Document](#) draft 1-23-08, [Informal Comments Due 3-14-08](#)
 - Standards Review Subcommittee (SRS): ***presentation to be given***
 - E-Tariff – ***covered in agenda item 5***
 - Interpretations – ***no material, no meetings held since last EC Meeting***



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NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING WHOLESALE ELECTRIC QUADRANT (WEQ) DRAFT AGENDA WITH LINKS TO MEETING MATERIALS

Monday, February 4, 1:00 pm to 5:00 pm C

Tuesday, February 5, 2008 – 9:00 am to 4:00 pm C

9. Review, discuss, identify changes and vote to approve changes to the [2008 Annual Plan](#) to be proposed to the Board of Directors
10. Board of Directors, Board Committee and Regulatory Updates
 - Board Updates: [December 2007 Minutes](#)
 - Wholesale Gas and Retail key activities: Order 698 progress on [price indexing](#), [redirects](#) and [intraday nominations](#), [WGQ Annual Plan for 2008](#), [Retail Annual Plan for 2008](#), [NAESB Bulletin](#)
 - Regulatory Updates: [FERC Filing on Version 1.0](#)
11. New Business
12. Adjourn

Attire – Business Casual

Please note that this agenda spans two days. The Chair will determine when to break between Monday and Tuesday.

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials

February 4-5, 2008

TAB 3

Minutes – November 6, 2008

- Contained in this section are two sets of minutes for approval. There were no edits or redlines provided prior to the meeting.
- The WEQ EC chair will entertain motions from the EC members of that quadrant to adopt the agenda. The motions to adopt are simple majority.
- The materials in Tab 3 correspond to agenda item 3.



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December 21, 2007

TO: NAESB Wholesale Electric Quadrant Executive Committee and Interested Industry Participants

FROM: Laura Kennedy, Director, Standards Development

RE: Wholesale Electric Quadrant Executive Committee Meeting Draft Minutes – November 6, 2007

**NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING
WHOLESALE ELECTRIC QUADRANT (WEQ)
Tuesday, November 6, 2007 – 10:00 am to 4:00 pm Central
Hosted by NAESB – Houston, Texas
DRAFT MINUTES**

1. Welcome

Ms. York opened the meeting and welcomed the meeting participants in the room and on the phone. Ms. Kennedy read the antitrust guidelines. Ms. Kennedy called the roster of the WEQ Executive Committee members and alternates. Quorum was established.

2. Wholesale Electric Quadrant Draft Agenda & Draft Minutes

The Executive Committee reviewed the draft agenda. Ms. Crockett moved to adopt the agenda with the modification made that Item 7 – Review, discuss and vote to approve 2008 Annual Plan be moved in between Items 3 and 4. Mr. Honeycutt seconded the motion. The motion passed without opposition.

The Executive Committee reviewed the draft minutes from the August 14, 2007 Executive Committee meeting. The minutes were included in the Executive Committee book, behind Tab 3, beginning on page 18. Mr. Davis submitted redlines to the draft minutes. The redlines were included in the Executive Committee book behind Tab 3, beginning on page 31. Ms. Crockett submitted additional modifications to the minutes: page 2, grammatical errors were corrected; page 3 typographical error was corrected; page 4 grammatical error was corrected; page 5 an incomplete sentence was deleted; page 6 a typographical error was corrected. Ms. Crockett moved, seconded by Mr. Ciza, to adopt the minutes as revised by Mr. Davis and Ms. Crockett. The motion passed without objection. The final August 14, 2007 minutes are posted on the WEQ Executive Committee page: [Final Minutes](#).

Next the WEQ Executive Committee reviewed the draft minutes from the October 15, 2007 conference call, included in the Executive Committee book, behind Tab 3, beginning on page 44. Ms. Crockett submitted modifications to these minutes: typographical errors were modified. Mr. Ciza moved, seconded by Mr. Green to adopt the minutes as revised. The motion passed without objection. The final minutes for the October 15, 2007 conference call are posted on the WEQ Executive Committee page: [Final Minutes](#).

3. Consideration of recommendations for standards, comments submitted, and vote on:

The WEQ Executive Committee next reviewed the recommendation for WEQ 2007 Annual Plan Item 2(c) (Modifications to WEQ-001 to comply with modifications to 18 C.F.R. 37.6 and 37.7 within Order 890), included in the WEQ Executive Committee book, behind Tab 4, beginning on page 49. Several comments were submitted on this recommendation, including comments



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from EPSA, Midwest ISO, PJM, Southwest Power Pool, Williams Power, and Southern Company. Southern Company submitted two sets of comments, one of which was included in the Executive Committee book and one of which was posted as supplemental material for the Executive Committee meeting.

Mr. Green presented the comments he submitted on behalf of EPSA. He stated that EPSA would like to modify the recommendation to include additional transparency and noted that most of the comments offered with additional transparency in mind. He noted that this recommendation seeks to reiterate the modifications to the CFR, Sections 37.6 and 37.7 in the NAESB WEQ-001 standards, sections 1.6 and 1.7. He stated that the fundamental question is why NAESB should reproduce the FERC regulations in the form of a standard. He also noted that the EPSA members would like to see how all of the ATC standards will fit together.

Mr. Wood stated that when the WEQ adopted the WEQ-001 standards, sections 1.6 and 1.7, those sections were reiterations of the CFR. The recommendation at issue is the attempt of the ESS/ITS and BPS to update the NAESB WEQ standards to the changes FERC made with Order 890. He added that if additional clarification or expansion is needed to the standards in 1.6 and 1.7, they should be addressed in separate standards or sections, so that these sections do not conflict with FERC regulations.

Mr. Green noted that the WEQ ESS/ITS and BPS had also begun drafting a list of ATC items that will not be made publicly available at the request of EPSA and its members. The current draft of the list, though not a complete first draft, was included in the Executive Committee book, behind Tab 4, beginning, on page 126. Mr. Green requested that the Executive Committee table consideration of the recommendation so that it can be presented to the Executive Committee with the entire package of Order 890 ATC related standards. Mr. Ulch supported Mr. Green's requested and added that the ESS/ITS and BPS should also take up the comments submitted to the Executive Committee and provide a response to the comments to the WEQ Executive Committee.

Mr. Gallagher stated that the Executive Committee should make a threshold decision of whether to adopt standards that are reiterations of the FERC regulations. If the Executive Committee determines that it will do so, then it should adopt the recommendation in the form presented by the subcommittee. He added that the subcommittee should continue to draft the ATC related standards with the comments submitted on this recommendation in mind.

Mr. Sorenson stated that the subcommittee needs to be given a fundamental direction by the Executive Committee: whether the sections in WEQ-001 are limited to a restatement of the regulations or if they can be augmented, which would be a fundamental change to what FERC issued as part of the regulation updates as a part of Order 890. Mr. Green stated that he would support either avenue, as long as the recommendation is remanded to the subcommittee to be brought back before the Executive Committee as a package of all of the ATC related items. Mr. Yeung supported directing the subcommittees to not reiterating the regulation language in the standards. He added that the NAESB WEQ should not be adopting standards for ATC related items to address Order 890 until NERC is closer to completion of the Order 890 related reliability standards. Mr. Ulch supported remanding the recommendation to the subcommittee with the direction that the subcommittees should not draft language to reiterate the regulations.

Mr. Gallagher noted the Order 890 deadline issued by the FERC for the ATC related items and stated that the Executive Committee should be careful in second guessing the subcommittees.

After further discussion, Mr. Green proposed the following motion that was seconded by Mr. Norris:



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I move that WEQ-001-1.6 be Tabled until the BPS/ESS/ITS is able to:

1. Bring forward a more complete package of standards, i.e. all five of the standards that are being developed independent of NERC and have been promised to FERC within the 360 day timeline;
and
2. Complete the table of information that will not be made public, such that the EC has better understanding of whether or not the information that is made available will be sufficient to meet the objectives of Order 890.

I would also ask that the EC direct the Committee to continue its deliberations with a view, as FERC noted, *"to produce workable solutions to complex and contentious issues surrounding improving the consistency and transparency of ATC calculations"* to implement Order 890 and not merely to reflect back the words of the Order.

Mr. Ulch recommended that if the Executive Committee delays voting on the recommendation until the February 2008 meeting, then the Executive Committee should consider scheduling a conference call in early January to work through any comments submitted and changes by the subcommittee.

Ms. York asked if Mr. Green and Mr. Norris would be amenable to revising their motion to reflect that the table of information in item 2 of the motion is dependent on completion of the NERC MODs for ATC. Mr. Green and Mr. Norris agreed to revise their motion as Ms. York requested. The revised motion stated:

The EC moves that WEQ-001-1 be Tabled until the BPS/ESS/ITS is able to:

1. Bring forward a more complete package of standards, i.e. all five of the standards that are being developed independent of NERC and have been promised to FERC within the 360 day timeline;
and
2. Complete the table of information that will not be made public to the extent possible based on the current draft of the NERC MOD standards, such that the EC has better understanding of whether or not the information that is made available will be sufficient to meet the objectives of Order 890.

The EC directs the Committee to continue its deliberations with a view, as FERC noted, *"to produce workable solutions to complex and contentious issues surrounding improving the consistency and transparency of ATC calculations"* to implement Order 890 and not merely to reflect back the words of the Order.

Mr. Berwager stated that he supported the motion and that he would like to know whether the subcommittees should be converting FERC regulations into NAESB business practices and if that would take a change to FERC policy. Mr. Harshbarger added that the subcommittee completed the task that it had been assigned.

There were several participants who asked what the subcommittee planned to do to address the comments submitted on the recommendation. Ms. Kennedy noted that the comments were submitted to the Executive Committee, not the subcommittee and it was the duty of the Executive Committee to respond to the comments and to modify the recommendation based on the comments if it saw fit to do so.

Mr. Davis requested that the subcommittee bring back categories of changes to the language – changes that were made to meet the intent of the regulations, changes that are enhancements to the business practices, and changes that are changes to policy. Ms. Kennedy noted that the subcommittee is not tasked with changing policy, just to execute the policy set by the FERC.



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Mr. Davis stated that the changes in the recommendation at issue included changes to policy. Ms. Kennedy stated that it was likely that the participants would not likely be able to agree on which changes were changes to policy and which were not, due to likely different interpretations of the policy. Mr. Davis stated that was for the subcommittee participants to work out. Mr. Davis requested that Mr. Green and Mr. Norris modify the motion to include the following:

We would like the subcommittee to bring back categories of changes 1) being changes being made to meet the intent of the regulations 2) changes to the BPS that are enhancements 3) changes made by the subcommittee that were changes to policy, changes to repeating FERC regulations.

Mr. Green did not accept the amendment to the motion.

Mr. Berwager requested that the motion be revised to remove the last paragraph of the motion so that the motion focuses on substantive issues and does not reiterate the FERC Order quote in the motion. Mr. Green and Mr. Norris accepted this amendment. The revised motion by Mr. Green and Mr. Norris stated:

The EC moves that WEQ-001-1 be Tabled until the BPS/ESS/ITS is able to:

1. Bring forward a more complete package of standards, i.e. all five (listing) of the standards that are being developed independent of NERC and have been promised to FERC within the 360 day timeline;
- and
2. To the extent possible, complete the table of information that will not be made public based on the current draft of the NERC MOD standards, such that the EC has better understanding of whether or not the information that is made available will be sufficient to meet the objectives of Order 890.

Mr. Mitchell requested that the phrase "to the extent possible" be moved to the end of the phrase. This modification was accepted by Mr. Green and Mr. Norris.

Mr. Pritchard noted that the motion asked for two things – a complete package of ATC standards and the table of information. He asked if the table of information was to be considered as part of the package of ATC standards. Mr. Green stated that he would like to see the table of information completed to the extent it can be completed for the Executive Committee to have when it considers the package of ATC standards during the February 2008 Executive Committee meeting.

After further discussion, the vote on the motion was taken. The motion failed to achieve the simple majority vote required for such a motion, with 13 in support, 13 opposed, and 1 abstention. [Vote 1].

Next, Mr. Gallagher moved, seconded by Mr. Norris, to adopt the recommendation at hand subject to the comments to be reviewed by the Executive Committee. Mr. Davis asked that the subcommittee review the comments. Mr. Wood stated that each comment has a disposition of the subcommittee. Mr. Wood suggested that the recommendation be voted on as it was drafted and that the subcommittee consider the comments in the drafting of the other ATC related standards. Mr. Sorenson supported Mr. Wood's suggestion. Mr. Gallagher and Mr. Norris agreed to revise the motion to state:



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Adopt the recommendation WEQ-001 and remand the comments received on WEQ-001 back to the subcommittee to be drafted into Business Practice Standards.

Mr. Wood noted that he would like to review the comments he submitted on behalf of Southern Company Transmission that were in the Executive Committee book beginning on page 92. Mr. Wood stated that he had simply reformatted the proposed standards for easier reading. Mr. Gallagher and Mr. Norris agreed to revise their motion to include the reformatting changes proposed by Southern Company Transmission that are supported by the Executive Committee:

Adopt the recommendation WEQ-001 as modified by the JT Wood comments for reformatting the document and supported by the subcommittee and remand the comments received on WEQ-001 back to the subcommittee to be drafted into Business Practice Standards.

Mr. Skiba stated that there is another aspect of the changes that are being worked on by the subcommittee, which is an Appendix to the business practices to list the exemptions and waivers FERC granted in Order 890. After further discussion, Mr. Gallagher and Mr. Norris agreed to modify the motion to state:

Adopt the recommendation 2007 Annual Plan Item 2(c) as modified by Southern Company Transmission comments and supported by the subcommittee. Remand the comments received on WEQ-001 back to the subcommittee to be considered for Business Practice Standards. The EC also directs the ESS/ITS to submit a recommendation on Appendix C of WEQ-001 Waivers and Exemptions for EC approval at their February 2008 meeting.

Mr. Green stated that he would vote against the motion because the direction of the motion does not set forth a timeline for when the comments will be considered as part of the standards development for Order 890.

After further discussion, the Executive Committee voted on the motion. The motion passed the required super majority vote. [Vote 2].

Mr. Davis next reiterated his previous motion:

To ask the subcommittee to include in any draft recommendations to be considered at the February 2008 EC meeting a categorization of standards or revisions to standards; 1 – those that meet FERC Order 890, 2 – those that enhance FERC Order 890, and 3- those that are considered policy changes.

Mr. Ulch seconded the motion. Mr. Green stated that he did not support the motion as it would require the subcommittee an undue burden to complete the standards and agree on categories between now and the February meeting. The categorization of every change will be a major exercise regardless of what the categories are. He added that the Executive Committee members should make their own determination and vote accordingly. Mr. Gallagher stated that adoption of this motion would send the wrong message to the subcommittees.

Ms. Crockett stated that the Executive Committee members' duties include work that includes reading the recommendations and vetting those recommendations with their companies. Ms. Crockett stated that she did not support delegating to the subcommittees the authority that is the purview of the Executive Committee.

Mr. Davis stated that he would like to revise his motion:



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To ask the subcommittee to include in any draft recommendations to be considered at the February 2008 EC meeting a categorization of standards or revisions to standards; 1 – those that meet FERC Order 890 and 2 – those that enhance FERC Order 890.

The Executive Committee voted on the motion. The motion failed to achieve the simple majority vote needed for such a motion. There were 10 votes in support and 17 votes in opposition. [Vote 3].

Next, the Executive Committee considered the Interpretation drafted by the WEQ Interpretations Subcommittee – C07001 (Interpretation on WEQ-001-1.2 applications of standards to non-gas-fired generations facilities). The draft Interpretation was included behind Tab 4, beginning on page 128 of the Executive Committee book. Mr. Norris moved, seconded by Ms. Crockett to adopt the Interpretation as drafted with accolades to the WEQ Interpretations Subcommittee.

Mr. Skiba reviewed the comments submitted by the Midwest ISO posted as supplemental material for this meeting: http://www.naesb.org/pdf3/weq_ec110607w5.pdf. He noted that the Midwest ISO comments included a request to the Interpretations Subcommittee to include the type of detail in this first interpretation in all future interpretations.

Mr. Martinko asked for a brief overview of the interpretation. Ms. Crockett stated that the requirement of the standard in the request for clarification required generators to notify pipelines of significant changes in hourly flow and also to inform the Transmission Service Provider of service levels the gas fired generators have. The Interpretations Subcommittee recommended that the supplemental gas usage would work this out with individual gas pipelines and that the gas usage did not qualify as significant as to require the standard to apply.

After further discussion, the Executive Committee voted on the motion. The motion passed the required super majority vote for such a motion. [Vote 4].

Next, the Executive Committee considered Recommendation R07010 (Modify CI standard to require scheduling entities to be a required field for every submitted request for interchange), included behind Tab 4, beginning on page 130 of the Executive Committee book. Mr. Sorenson presented the recommendation and noted that the Executive Committee addressed what was sought in this request during the August 14, 2007 Executive Committee meeting when the revised recommendation for R06025 was adopted. Recommendation R06025 as revised by the Executive Committee has been ratified by the membership and as such no standards are needed to address Request No. R07010. Mr. Norris moved, seconded by Ms. Crockett, to adopt the recommendation as drafted. The motion passed the required simple majority vote for such a motion. [Vote 5].

Next, the Executive Committee reviewed the Recommendation for WEQ 2007 Annual Plan Item 2(ii) (Order 890 work plan group 1 – conditional firm, annotations for ATC, Load Forecast and Actual Load, Re-Bid of Partial Service and Preconfirmation Priority). The recommendation was included in the Executive Committee book, beginning on page 132. Comments were submitted and posted as supplemental material for this meeting from Midwest ISO, Southern Company, OATI, and the ESS/ITS. Mr. Skiba noted that the ESS/ITS submitted minor modifications to the Recommendation that were posted as supplemental material for this meeting: http://www.naesb.org/pdf3/weq_ec110607w4.pdf. Mr. Sorenson moved that the Executive Committee formally adopt the documents that include the minor revisions submitted by the ESS/ITS before any comments are considered. Mr. Pritchard seconded the motion. The motion unanimously passed a simple majority vote.



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Next, the Executive Committee reviewed the comments submitted by MISO, posted as supplemental material for this meeting: http://www.naesb.org/pdf3/weq_ec110607w4.pdf. The Executive Committee supported modification of WEQ 013-2.6.8 as proposed by Midwest ISO.

Next, the Executive Committee reviewed the comments submitted by Midwest ISO on 013-3.3.2. Ms. Rehman, referencing WEQ 013-3.3.2 whether NERC had changed the balancing authority to the Transmission Provider (TP) and noted that the NERC reliability standards mentioned the load forecast associated with the balancing authority. Mr. Sorenson stated that the system wide load forecast is the Balancing Authority's total load and the native load forecast is everything that is not metered. Mr. Ulch stated that the system load forecast should be capitalized because it was previously defined. Mr. Sorenson stated that it was a data element as used in this section, not a defined term. Ms. Otondo added that the document at hand creates the data fields for OASIS, the information technology and technical requirements, it does not develop the business practice standards for the items. The ESS/ITS and BPS plan to develop the business practices to complement the technical requirements and present them to the WEQ Executive Committee during the February 2008 meeting.

At this time, Mr. Schwermann noted that the meeting agenda had not been completed and the meeting end time was coming near. He moved to extend the meeting so that the agenda could be completed. Mr. Berwager seconded the motion. The motion passed without objection. Mr. Norris moved, seconded by Mr. Norris, to adopt the changes discussed on the definition. Mr. Martinko stated that further work was needed on the definition. After further discussion, the motion passed a simple majority vote. Section 013-3.3.2 was revised to state the following (only the revised language is included below, the section is not included in its entirety):

- ZONE_LOAD_FORECAST – Forecast of the Transmission Provider's anticipated Load in a metered zone
- SYSTEM_LOAD_FORECAST – Forecast of the Transmission Provider's total system-wide load forecast for native load within a Balancing Area
- NATIVE_LOAD_FORECAST – ~~Forecast of~~ The portion of the Transmission Provider's total system-wide load forecast for native load ~~Forecast of total system load within a Balancing Area~~
- ACTUAL_LOAD – The Transmission Provider's ~~Actual~~ daily peak load values ~~for the metered Balancing Area or metered Zone within the Balancing Area~~ posted after the fact

Next, the subcommittee reviewed the comments submitted by Mr. Wood on behalf of Southern Company Transmission, posted as supplemental material for this meeting: http://www.naesb.org/pdf3/weq_ec110607w6.doc.

For the comment on 002-4.3.2.1, Mr. Sorenson stated that the intent of OFFER_INCREMENT is to comply with the requirement in Order 890 that a customer may post a transmission for resale and it will appear on the same page on OASIS. Mr. Ulch stated that Southern Company proposed the change because it would result in the requirement to post increments that are not defined on Southern's OASIS. Mr. Pritchard stated that the ESS/ITS discussed this issue in detail and determined that based on the existing Resale standards, the OFFER_INCREMENT was the best way to accomplish the posting.

Mr. Wood stated that for Items 1, 3, and 4 of his comments, that he would submit those for consideration in the ESS/ITS work on the business practice standards for Group 1.



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Next, the Executive Committee considered the comment number 2 submitted by Mr. Wood regarding 002-4.3.4.4 Systemdata. Mr. Wood stated that as time goes on the annotations will make the records cumbersome in the systemdata files. Southern Company recommended that a separate template be implemented that shows the ATC annotations. Mr. Sorenson stated that a separate template was proposed originally called security template, but the ESS/ITS did not support a separate template. Mr. Ulch moved to create a separate template for the annotations. Mr. Sorenson stated that to create a new template would require the ESS/ITS to reconsider the recommendation. The motion failed due to a lack of a second.

Next, the Executive Committee considered comment number 5 submitted by Mr. Wood regarding 002-4.3.6.2 Status of Customer Purchase Request (transstatus). Mr. Wood stated that Southern Company recommends that an additional status state be used rather than a flag so that proper sequences are followed. Mr. Skiba stated that MISO did not think there would be a need to create additional statuses and to do so would require significant rework to sequence the status.

Mr. Wood stated that comments 6 and 7 proposed the creation of new templates. Mr. Ulch moved to create new templates based on comments 6 and 7. The motion failed due to a lack of a second.

Mr. Sorenson moved, seconded by Mr. Ulch to adopt the modification proposed in Southern Company comment number 8. The motion passed without objection. The sentence "The Transmission Provider may, but is not obligated, to use this template to act on a transmission service request" was removed from 002-4.3.6.3 Seller Approval of Purchase (transsell).

Mr. Sorenson moved, seconded by Mr. Ulch to adopt the modification proposed in Southern Company comment number 9. The motion passed without objection. Section 002-4.3.6.3 Seller Approval of Purchase (transsell) was modified as proposed by Southern Company in comment number 9.

Ms. Weathers (now sitting as an alternate for Mr. Berwager) moved to correct the typographical error on the spelling of "performed" in 002-4.3.6.3 and to delete the sentence "A hyperlink to the binding agreement specifying the pertinent terms and conditions of service shall be identified in the PRIMARY_PROVIDER_CONDITIONS Data Element." Mr. Schwermann seconded the motion. Mr. Sorenson stated that if this change were made, then the examples would have to be updated in the Implementation Guide (WEQ 013). The motion passed without objection.

Mr. Sorenson moved, seconded by Mr. Wood (now sitting as an alternate for Mr. Ulch) to adopt the change proposed by Southern Company in comment number 11. The motion passed without objection. Section 002-4.3.7.2 Seller Capacity Modify (transupdate) was modified to remove the ability to update the elements identified in the comments.

The Executive Committee considered comment 12 in the Southern Company comments. The Executive Committee did not adopt changes to address this comment.

Next, Ms. Weathers moved, seconded by Mr. Schwermann, to modify WEQ 013-2.2 to delete the second and third sentences. The motion failed to achieve a simple majority vote. Ms. Weathers, Mr. Schwermann, Mr. Mitchell, Mr. Castle, and Mr. Middleton voted in favor and the rest of the Executive Committee voted in opposition. [Vote 6].

The Executive Committee reviewed the comments submitted by Mr. Sorenson on behalf of OATI, posted as supplemental material for this meeting: http://www.naesb.org/pdf3/weq_ec110607w7.doc. Mr. Norris moved, seconded by Mr.



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Pritchard to adopt the revisions to the example in 013-4.1.5(d). The motion passed without objection.

Mr. Norris moved, seconded by Mr. Mitchell to adopt several typographical errors submitted by Ms. Weathers to sections 013-2.6.8; 013-2.6.8.1; and 013-3.3.1. The motion passed without objection.

The Executive Committee also made a revision to the data dictionary so remove the data element PRIMARY_PROVIDER_CONDITIONS to remain in synch with the changes to the S&CPs and Implementation Guide.

Mr. Schwermann moved, seconded by Mr. Pritchard to adopt the entire recommendation with the modifications made during the meeting. There were not enough votes cast to determine whether the vote garnered the required votes to pass a super majority vote. A notational ballot will be distributed to the WEQ Executive Committee members and alternates who did not cast a vote [Vote 7]. The revised documents are posted as attachments to these minutes:

[2007 WEQ Annual Plan Item 2\(ii\) - Order 890 Work Plan Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority - Attachment to Recommendation 1 - OASIS S&CPs \(WEQ 002\) as revised by the WEQ EC on 11/6/07 – redline;](#)

[2007 WEQ Annual Plan Item 2\(ii\) - Order 890 Work Plan Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority - Attachment to Recommendation 1 - OASIS S&CPs \(WEQ 002\) as revised by the WEQ EC on 11/6/07 – clean;](#)

[2007 WEQ Annual Plan Item 2\(ii\) - Order 890 Work Plan Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority - Attachment to Recommendation 2 - OASIS Data Dictionary \(WEQ 003\) as revised by the WEQ EC on 11/6/07 – redline;](#)

[2007 WEQ Annual Plan Item 2\(ii\) - Order 890 Work Plan Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority - Attachment to Recommendation 2 - OASIS Data Dictionary \(WEQ 003\) as revised by the WEQ EC on 11/6/07 – clean;](#)

[2007 WEQ Annual Plan Item 2\(ii\) - Order 890 Work Plan Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority - Attachment to Recommendation 3 - Implementation Guide \(WEQ 013\) as revised by the WEQ EC on 11/6/07 – redline;](#)

[2007 WEQ Annual Plan Item 2\(ii\) - Order 890 Work Plan Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority - Attachment to Recommendation 3 - Implementation Guide \(WEQ 013\) as revised by the WEQ EC on 11/6/07 – clean](#)

4. Review, discuss and vote to approve 2008 Annual Plan

The Executive Committee reviewed the proposed 2008 WEQ Annual Plan included in the Executive Committee book behind Tab 9, beginning on page 750. Ms. Rehman submitted comments on the Annual Plan that were posted as supplemental material for this meeting: http://www.naesb.org/pdf3/weq_ec110607w3.doc. Mr. Schwermann moved, seconded by Ms. Crockett, to adopt the proposed 2008 WEQ Annual Plan with the modifications by Ms. Rehman incorporated. The motion passed without objection.



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5. Review of actions taken on minor corrections

This item was not discussed.

6. Update on specific issues

This item was not discussed.

7. Subcommittee Updates and Plan Updates

This item was not discussed.

9. Board of Directors, Board Committee and Regulatory Updates

This item was not discussed.

10. New Business

This item was not discussed.

11. Adjourn

The meeting adjourned at 5:19 PM Central.



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11. Executive Committee Attendance and Voting Record¹ (Vacancies not shown on the table)

		SUB-SEGMENT	ATTENDANCE	VOTE 1	VOTE 2	VOTE 3	VOTE 4
TRANSMISSION SEGMENT							
Patrick McGovern	Manager - System Services, Georgia Transmission Corporation	Muni/Coop	Phone	O	S	S	A
Chuck Feagans, Alt. for S. Cobb	Tennessee Valley Authority	Fed/State/Prov.	Phone	O	S	O	S
Dean Ulch	Principal Engineer, Transmission Policy and Services Group, Southern Company Services	IOU	In Person	O	S	S	S
Edward Davis	Policy Consultant, Entergy Services, Inc.	IOU	In Person	O	S	S	S
Julie Voeck	Manager Strategic Policy and Planning, American Transmission Company	ITC	Absent				
Bob Harshbarger	OASIS Trading Manager, Puget Sound Energy	at large	In Person	O	S	S	S
Linda Campbell	Vice President and Executive Director – Standards and Compliance, Florida Reliability Coordinating Council	At-Large	Absent				
GENERATION SEGMENT							
William J. Gallagher	General Manager of Vermont Public Power Supply Authority	Muni/Coop	In Person	O	S	O	
Kathy York	Sr. Energy Markets & Policy Specialist, Tennessee Valley Authority	Fed/State/Prov.	In Person	O	S	O	S
Jalal Babik	Manager – Electric Policy, Dominion Resource Services, Inc.	IOU	In Person	A	S	S	S
John Ciza	Project Manager Energy Policy and Regulatory Affairs, Southern Company Services	IOU	In Person	O	S	O	S
Gary Hinners	Director- West regulatory Issues, Reliant Energy, Inc.	at large	Phone				
Neal Balu	Director of Transmission Policy, Integrys Energy Services, Inc.	at large	In Person	O	S	O	S

¹ Voting Record Legend: S = Support; O = Oppose; A = Abstain; B = Notational Ballot



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		SUB-SEGMENT	ATTENDANCE	VOTE 1	VOTE 2	VOTE 3	VOTE 4
MARKETER/BROKERS SEGMENT							
Clay A. Norris	Division Director, Planning, North Carolina Municipal Power Agency #1	Muni/Coop	In Person	S	S	O	S
Valerie Crockett Alt. for C. Harmon	Tennessee Valley Authority	Fed/State/Prov.	In Person	O	S	O	S
Ralph Honeycutt	Director of Transmission Analysis & Operations – Merchant Management Group, SUEZ Energy Marketing NA, Inc.	Not IOU Affiliated	In Person	S	O	O	S
Mark Mitchell	Manager of Power Marketing Supply and Trading Department, Salt River Project	at large	In Person	O	S	S	S
John Apperson	Director – Commercial and Trading, PacifiCorp Energy	IOU	Absent				S
Joel Dison	Project Manager, Southern Company Generation and Energy Marketing	IOU	Absent				S
Barry Green	Barry Green Consulting (representing Electric Power Supply Association (EPSA))	at large	In Person	S	O	O	S
DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT							
Robert Williams	Director of Regulatory Affairs, Florida Municipal Power Agency	Muni/Coop	Phone	S	S	O	S
Robert Schwermann	Energy Coordinator, Sacramento Municipal Utility District	Muni/Coop	In Person	O	S	S	S
Alan Pritchard	Senior Engineer, Duke Energy Corporation	IOU	In Person	O	S	O	S
John McCawley	Director – Energy Acquisition, Exelon Energy Delivery, Exelon Corporation – PECO Energy	IOU	Absent				
Robert Martinko	Consultant FERC Compliance, FirstEnergy Service Company	at large	In Person	S	S	S	A
Syd Berwager	Industry Restructuring Project Manager, Bonneville Power Administration/Power Business Line	Other	In Person	S	S	O	S
Andy Rodriquez	Manager of Business Practice Coordination, NERC	At-Large	Absent				
END USERS SEGMENT							



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		SUB-SEGMENT	ATTENDANCE	VOTE 1	VOTE 2	VOTE 3	VOTE 4
Lou Ann Westerfield	Policy Strategist, Idaho Public Utilities Commission, rep. National Association of Regulatory Utility Commissioners	Regulator	Absent				
Paul Sorenson	Director-Central Markets Strategy, Open Access Technology International, Inc.	At-Large	In Person	S	S	O	S
Independent Grid Operator/Planners							
Stu Bresler	General Manager, Market Operations, PJM Interconnection		Phone	S	S	S	S
Jim Castle	Manager, Grid Operations, New York Independent System Operator, Inc.		In Person	S	S	O	S
Matt Goldberg	Director Reliability & Operations Compliance ISO New England, Inc.		Phone	S	S	S	A
Steve Greenleaf	Director Regional Market Initiatives, California ISO		Phone		S	S	S
Bill Blevins, Alt. for J. Mickey	ERCOT		Phone				SB
Larry Middleton	Technical Manager, Transmission Assets, Midwest Independent Transmission System Operator		In Person	S	S	O	S
Charles Yeung	Executive Director Interregional Affairs, Southwest Power Pool		In Person	S	S	O	

		SUB-SEGMENT	VOTE 5	VOTE 6	VOTE 7
TRANSMISSION SEGMENT					
Patrick McGovern	Manager - System Services, Georgia Transmission Corporation	Muni/Coop	S		
Chuck Feagans, Alt. for S. Cobb	Tennessee Valley Authority	Fed/State/Prov.	S		
Dean Ulch	Principal Engineer, Transmission Policy and Services Group, Southern Company Services	IOU	S	O	S
Edward Davis	Policy Consultant, Entergy Services, Inc.	IOU	S		
Julie Voock	Manager Strategic Policy and Planning, American	ITC			



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		SUB-SEGMENT	VOTE 5	VOTE 6	VOTE 7
	Transmission Company				
Bob Harshbarger	OASIS Trading Manager, Puget Sound Energy	at large	S		
Linda Campbell	Vice President and Executive Director – Standards and Compliance, Florida Reliability Coordinating Council	At-Large			
GENERATION SEGMENT					
William J. Gallagher	General Manager of Vermont Public Power Supply Authority	Muni/Coop		O	S
Kathy York	Sr. Energy Markets & Policy Specialist, Tennessee Valley Authority	Fed/State/Prov.	S	O	S
Jalal Babik	Manager – Electric Policy, Dominion Resource Services, Inc.	IOU	S		
John Ciza	Project Manager Energy Policy and Regulatory Affairs, Southern Company Services	IOU	S		
Gary Hinners	Director- West regulatory Issues, Reliant Energy, Inc.	at large			
Neal Balu	Director of Transmission Policy, Integrys Energy Services, Inc.	at large	S		
MARKETER/BROKERS SEGMENT					
Clay A. Norris	Division Director, Planning, North Carolina Municipal Power Agency #1	Muni/Coop	S	O	S
Valerie Crockett Alt. for C. Harmon	Tennessee Valley Authority	Fed/State/Prov.	S	O	
Ralph Honeycutt	Director of Transmission Analysis & Operations – Merchant Management Group, SUEZ Energy Marketing NA, Inc.	Not IOU Affiliated	S		
Mark Mitchell	Manager of Power Marketing Supply and Trading Department, Salt River Project	at large	S	S	S
John Apperson	Director – Commercial and Trading, PacifiCorp Energy	IOU	S		



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		SUB-SEGMENT	VOTE 5	VOTE 6	VOTE 7
Joel Dison	Project Manager, Southern Company Generation and Energy Marketing	IOU	S		
Barry Green	Barry Green Consulting (representing Electric Power Supply Association (EPSA))	at large	S	A	S
DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT					
Robert Williams	Director of Regulatory Affairs, Florida Municipal Power Agency	Muni/Coop	S		
Robert Schwermann	Energy Coordinator, Sacramento Municipal Utility District	Muni/Coop	S	S	S
Alan Pritchard	Senior Engineer, Duke Energy Corporation	IOU	S	O	S
John McCawley	Director – Energy Acquisition, Exelon Energy Delivery, Exelon Corporation – PECO Energy	IOU			
Robert Martinko	Consultant FERC Compliance, FirstEnergy Service Company	at large	S		
Syd Berwager	Industry Restructuring Project Manager, Bonneville Power Administration/Power Business Line	Other	S		
Wendy Weathers, Alt. for S. Berwager	Salt River Project	Other		S	S
Andy Rodriguez	Manager of Business Practice Coordination, NERC	At-Large			
END USERS SEGMENT					
Lou Ann Westerfield	Policy Strategist, Idaho Public Utilities Commission, rep. National Association of Regulatory Utility Commissioners	Regulator			
Paul Sorenson	Director-Central Markets Strategy, Open Access Technology International, Inc.	At-Large	S	O	S
Independent Grid Operator/Planners					
Stu Bresler	General Manager, Market Operations, PJM Interconnection		S		
Jim Castle	Manager, Grid Operations, New York Independent System Operator, Inc.		S	S	S
Matt Goldberg	Director Reliability & Operations Compliance ISO		S		



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	SUB-SEGMENT	VOTE 5	VOTE 6	VOTE 7
	New England, Inc.			
Steve Greenleaf	Director Regional Market Initiatives, California ISO	S		
Bill Blevins, Alt. for J. Mickey	ERCOT	SB		
Larry Middleton	Technical Manager, Transmission Assets, Midwest Independent Transmission System Operator	S	S	S
Charles Yeung	Executive Director Interregional Affairs, Southwest Power Pool	S		

12. Additional Attendance

Name	Organization	Attendance
Jonathan Booe	NAESB	In Person
Jack Cashin	EPSA	In Person
David Huffman	NAESB	In Person
Laura Kennedy	NAESB	In Person
Brent Kingsford	California ISO	Phone
Ross Kovacs	Georgia Transmission Corp.	In Person
Lou Oberski	Dominion	Phone
Marcie Otondo	Arizona Public Service	In Person
Gail Parker	Midwest ISO	Phone
Susan Pollonais	FERC	In Person
Denise Rager	NAESB	In Person
Barbara Rehman	Bonnville Power Administration	Phone
Ed Skiba	Midwest ISO	In Person
Veronica Thomason	NAESB	In Person
Jill Webb	Preferred Legal Services	In Person
Michael Wells	WECC	In Person
JT Wood	Southern Company	In Person

NORTH AMERICAN ENERGY STANDARDS BOARD
Executive Committee Meeting – WEQ Meeting Materials
February 4-5, 2008

TAB 4

Recommendations for Standards Actions

- Contained in this section are:
 - Request for Comments for 2007 AP 2(i)7 OASIS Exemptions, Appendix C, Order 890 modifications to WEQ-001
 - Recommendation for 2007 AP 2(i)7 OASIS Exemptions, Appendix C, Order 890 modifications to WEQ-001
 - Recommendation Attachment for 2007 AP 2(i)7 OASIS Exemptions, Appendix C, Order 890 modifications to WEQ-001
 - IRC Comments for 2007 AP 2(i)7 OASIS Exemptions, Appendix C, Order 890 modifications to WEQ-001
- If additional comments are received after publication date, they will be provided under separate cover as supplemental materials.
- The WEQ EC will be asked to consider the recommendations for standards actions and the comments submitted for each action. The EC members can (1) accept with no changes, (2) accept with changes identified during the meeting, (3) remand back to the relevant subcommittees for further work, (4) postpone action to a later date, or (5) reject - a status quo position. Actions (1) and (2) require a super-majority vote – 67% affirmative vote of all seated WEQ EC members, and 40% of all seated WEQ EC members of each segment. Actions (3), (4) and (5) are simple majority votes.
- The materials in Tab 4 correspond to agenda item 4.



North American Energy Standards Board

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 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@naesb.org
 Home Page: www.naesb.org

via email and posting

TO: NAESB WEQ Members and Interested Industry Participants
FROM: David Huffman, Meeting Manager/Project Manager
RE: Request for Comments for WEQ Recommendation
DATE: December 19, 2007

An industry comment period begins today, December 19, 2007 and ends on January 19, 2008 for one Wholesale Electric Quadrant recommendation:

**Recommendation WEQ 2008 Annual Plan Item 2(i)7 : OASIS Exemptions
 Appendix :**

Recommendation:

http://www.naesb.org/pdf3/2008_weq_ap_2i7_rec.doc

Attachment to the Recommendation:

http://www.naesb.org/pdf3/2008_weq_ap_2i7_rec_attach.doc

The purpose of this recommendation is to follow through on two points. One discussed in the August 14, 2007 Executive Committee Meeting which was to support institutionalizing the granting of waivers in the business practice standards. The second point is tied to FERC Order 676-B which allows any variances to be addressed through the NAESB business practice standards. The OASIS Standards Exemptions provides a central location to identify those broad based exemptions provided to groups of WEQ members per FERC Orders and/or regulations. This appendix is not intended to document individual organization tariff waivers or exemptions.

All interested parties, regardless of membership status within NAESB are eligible to submit comments for consideration. The Wholesale Electric Quadrant Executive Committee will review this recommendation and consider it for vote during the February 5, 2008 Executive Committee meeting in Houston, Texas. The Executive Committee will review all submitted comments.

All comments received by the NAESB office by end of business on January 19, 2008 will be posted on the Home Page (WEQ Request Page): http://www.naesb.org/weq_request.asp and forwarded to the WEQ Executive Committee members for their consideration. If you have difficulty downloading the recommendations, please call the NAESB office at (713) 356-0060.

Best Regards,

David Huffman

cc: Rae McQuade, President



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: Wholesale Electric Quadrant

Requesters: ESS/ITS Subcommittee
Request No.: 2008 AP item 2(i) 7
Request Title: OASIS Exemptions Appendix

1. RECOMMENDED ACTION:

☒ Accept as requested
☐ Accept as modified below
☐ Decline

**EFFECT OF EC VOTE TO ACCEPT
 RECOMMENDED ACTION:**

☐ Change to Existing Practice
☐ Status Quo

2. TYPE OF DEVELOPMENT/MAINTENANCE

Per Request:

☐ Initiation
☐ Modification
☐ Interpretation
☐ Withdrawal

☐ Principle
☐ Definition
☐ Business Practice Standard
☐ Document
☐ Data Element
☐ Code Value
☐ X12 Implementation Guide
☐ Business Process Documentation

Per Recommendation:

☐ Initiation
☐ Modification
☐ Interpretation
☐ Withdrawal

☐ Principle
☐ Definition
☒ Business Practice Standard
☐ Document
☐ Data Element
☐ Code Value
☐ X12 Implementation Guide
☐ Business Process Documentation

3. RECOMMENDATION

SUMMARY:

The OASIS Standards Exemptions provides a central location to identify those broad based exemptions provided to groups of WEQ members per FERC Orders and/or regulations. This appendix is not intended to document individual organization tariff waivers or exemptions. In the event of conflicts between the NAESB OASIS business practices and an individual approved tariff, the tariff shall prevail as documented in the Introduction section of WEQ-013.

RECOMMENDED STANDARDS:

See the attached document.



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: Wholesale Electric Quadrant

Requesters: ESS/ITS Subcommittee
Request No.: 2008 AP item 2(i) 7
Request Title: OASIS Exemptions Appendix

4. SUPPORTING DOCUMENTATION

a. Description of Request:

N/A

b. Description of Recommendation:

Refer to Recommended Standards under Section 3

c. Business Purpose:

The purpose of this recommendation is to follow through on two points one discussed in the August 14, 2007 Executive Committee Meeting. The second point is tied to FERC Order 676-b.

In the August 14, 2007 Executive Committee Meeting (http://www.naesb.org/pdf3/weq_ec081407rdm.doc) there was discussion regarding whether ISO/RTO waivers for supporting conditional firm service should be documented in the NAESB business practice standards. It was stated when waivers are granted it is better to have them institutionalized in the business practice standards:

“Mr. Skiba stated that Midwest ISO has a concern that NAESB standards will require action for which the ISOs and RTOs have been given a waiver from the FERC. Ms. McQuade stated that any time waivers are issued it is better to institutionalize them in the business practice standards adopted by NAESB.”

In FERC Order 676-b paragraph 21 FERC stated:

“...NAESB also has voted to add a voting segment for ISOs/RTOs so these organizations can have any variance or other issues related to their business model addressed through the NAESB process...”

Appendix C OASIS Standards Exemptions meets the requirement of documenting known exemptions/waivers in the OASIS business practice standards and provides a consistent approach for documenting future exceptions/waivers/exemptions.

d. Commentary/Rationale of Subcommittee(s)/Task Force(s):

The following provides references to FERC Orders for each exemption included in Appendix C – OASIS Standards Exemptions.

- a. **001.C.1** Requirements related to posting of affiliate information documented in WEQ 001 Business Practices for Open Access Same-Time Information Systems (OASIS) do not apply to RTOs and ISOs, since they do not have affiliates.



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: Wholesale Electric Quadrant

Requesters: ESS/ITS Subcommittee
Request No.: 2008 AP item 2(i) 7
Request Title: OASIS Exemptions Appendix

FERC Order 890 p.414: The Commission agrees with PJM and Ameren that affiliate posting requirements do not apply to RTOs and ISOs, since they do not have affiliates to transact with. The Commission also agrees with Entergy that the metrics established for its weekly procurement process are outside the scope of this proceeding.

- b. **001.C.3** Requirements associated with conditional firm point-to-point service documented in WEQ 002 Business Practices for Open Access Same-Time Information Systems (OASIS) Standards and Communications Protocols and WEQ 013 Business Practices for Open Access Same-Time Information Systems (OASIS) Implementation Guide do not apply to RTOs and ISOs with real-time energy markets.

FERC Order 890 p.992: “Notwithstanding the requirements of section IV.C of this Final Rule, the Commission finds that it would be inappropriate to require RTOs and ISOs with real-time energy markets to adopt the provisions for conditional firm point-to-point service. Customers transacting in RTOs and ISOs are able to buy through transmission congestion in the RTOs’ real-time energy markets and need no prior reservation in order to access transmission. Voluntary curtailment in order to access transmission is thus not an attractive option given the range of options available for customers transacting in RTOs and ISOs. Further, in RTOs and ISOs with financial transmission rights, conditional firm service may disrupt the distribution of these rights. We therefore believe that there is no need to reform existing RTO and ISO procedures to satisfy concerns underlying the adoption of the conditional firm option.”

- c. **001.C.3:** Requirements associated with planning redispatch WEQ 001 Business Practices for Open Access Same-Time Information Systems (OASIS) and corresponding posting requirements for redispatch costs in WEQ-001 Business Practices for Open Access Same-Time Information Systems (OASIS) Standards and Communications Protocols do not apply to RTOs or ISOs provided that FERC previously found the RTO’s or ISO’s tariff just and reasonable without the inclusion of pro forma section 13.5 planning redispatch.

FERC Order 890 p.993: The Commission directs, however, RTOs and ISOs that already provide planning redispatch pursuant to section 13.5 of the pro forma OATT to modify the relevant provisions of their tariffs consistent with our directives in this Final Rule.¹ RTOs and ISOs need not amend their tariffs if the Commission has previously found that these tariffs were just and reasonable without the inclusion of pro forma section 13.5 planning redispatch provisions. We will not require incorporation of the more limited planning redispatch obligations adopted in this Final Rule if RTOs and ISOs have already been

¹ This includes the transmission provider’s obligation to post monthly redispatch costs for each transmission facility over which planning and reliability redispatch are provided.



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: Wholesale Electric Quadrant

Requesters: ESS/ITS Subcommittee
Request No.: 2008 AP item 2(i) 7
Request Title: OASIS Exemptions Appendix

excused from the planning redispatch obligations of the existing pro forma OATT.

FERC Order 890 p.1157: "In balancing these considerations, we will, as explained further below, adopt a requirement that transmission providers post certain redispatch cost information associated with the existing redispatch services that must be provided under the pro forma OATT. We find that providing customers with additional transparency and greater information regarding the cost of congestion, will facilitate their consideration of planning redispatch options which in turn will provide for more efficient use of the grid. We stress, however, that this posting requirement relates only to the existing redispatch services required under the pro forma OATT; it does not expand those service obligations."

- d. **001.C.4:** Requirements related to posting of information under Standards of Conduct Link documented in WEQ 002 Business Practices for Open Access Same-Time Information Systems (OASIS) Standards and Communications Protocols do not apply to RTOs and ISOs.

FERC Order 2004 p 23: The Commission will not require ISOs or RTOs to be subject to the requirements of the standards of conduct as these transmission organizations have been designed and approved by the Commission to eliminate undue preferential practices. Indeed, one of the many reasons for their creation was to provide a remedy to undue discrimination rather than relying on the standards of conduct. If transmission customers observe that an ISO or RTO is not complying with its Commission-approved tariff or behaving in an unduly discriminatory fashion, it may file a complaint with the Commission, or contact the Commission's Enforcement Hotline or the ISO's or RTO's market monitoring unit (MMU).

- e. As the business practices are updated to address the exemptions documented in Appendix C the cross references to WEQ business practices may need to be updated. If so, the ESS/ITS will submit minor corrections to make changes to references.

001-C APPENDIX C – OASIS Standards Exemptions

Introduction

The OASIS Standards Exemptions provides a central location to identify those broad based exemptions provided to groups of WEQ members per FERC Orders and/or regulations. This appendix is not intended to document individual organization tariff waivers or exemptions. In the event of conflicts between the NAESB OASIS business practices and an individual approved tariff, the tariff shall prevail as documented in the Introduction section of WEQ-013.

Exemptions:

- 001-C.1 Requirements related to posting of affiliate information documented in WEQ-001 Business Practices for Open Access Same-Time Information Systems (OASIS) do not apply to RTOs and ISOs, since they do not have affiliates.

- 001-C.2 Requirements associated with conditional firm point-to-point service documented in WEQ-002 Business Practices for Open Access Same-Time Information Systems (OASIS) Standards and Communications Protocols and WEQ-013 Business Practices for Open Access Same-Time Information Systems (OASIS) Implementation Guide do not apply to RTOs and ISOs with real-time energy markets.

- 001-C.3 Requirements associated with planning redispatch WEQ-001 Business Practices for Open Access Same-Time Information Systems (OASIS) and corresponding posting requirements for redispatch costs in WEQ-001 Business Practices for Open Access Same-Time Information Systems (OASIS) Standards and Communications Protocols do not apply to RTOs or ISOs provided that FERC previously found the RTO's or ISO's tariff just and reasonable without the inclusion of pro forma section 13.5 planning redispatch.

- 001-C.4 Requirements related to posting of information under the Standards of Conduct Link documented in WEQ-002 Business Practices for Open Access Same-Time Information Systems (OASIS) Standards and Communications Protocols do not apply to RTOs and ISOs.

FORMAL COMMENTS

Quadrant: Wholesale Electric Quadrant
Recommendation: 2008 AP Item 2(i) 7
OASIS Exemptions Appendix
Submitted By: ISO RTO Council Standards Review Committee
Date: January 19, 2008

The Standards Review Committee (SRC), a committee of the ISO RTO Council (IRC) whose members populate the WEQ IGO segment, is requesting the WEQ - Executive Committee consider these formal comments for the OASIS Exemption Appendix – 2008 Annual Plan Item 2(i)7 Recommendation.

We agree with the ESS/ITS recommendation to document exemptions/waivers previously approved by the Commission in the NAESB Business Practices. Adding these exemptions into the NAESB Business Practices acknowledges these variances already granted by the Commission. It also eliminates the need for entities to request waivers on specific NAESB standards once the Commission orders the revised Business Practices be incorporated in the jurisdictional entities tariffs.

Though the recommendation currently documents broad-based exemptions granted to the ISOs/RTOs, this appendix is not intended to be solely limited to ISO/RTO exemptions. We recommend the WEQ - Executive Committee approve the recommendation and encourage other entities who believe they have broad-based exemptions to submit subsequent Standards Requests to include those exemptions in the recommended Appendix C – OASIS Standards Exemptions.

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials

February 4-5, 2008

TAB 5

Recommendations and Drafts for Discussion Only

- The synopsis of actions underway to develop standards for Order 890 which should result in recommendations shortly, or proposed recommendations currently out for comment are included. The materials are provided for discussion purposes and no action is required of the WEQ EC members.
 - eTariff request for comments and recommendation
 - Order 890 - Posting of Load Forecasts and Peak Load Data
 - Order 890 - ATC/TTC Narratives
- The materials in Tab 5 correspond to agenda item 5.



North American Energy Standards Board

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via email and posting

TO: NAESB Wholesale Electric Quadrant (WEQ) Members, NAESB Wholesale Gas Quadrant (WGQ) Members and Interested Industry Participants
FROM: Jonathan Booe, Project/Meeting Manager
RE: WEQ/WGQ Request for Comments
DATE: January 29, 2008

An industry comment period begins today, January 29, 2008 and ends on February 27, 2008 for a joint WEQ and WGQ recommendation that is posted on the NAESB web site:

2007 WEQ Annual Plan Item 5 and 2007 WGQ Annual Plan Item 8 - Develop business practices as needed to support the e-Tariff program including submittal of tariffs and metadata. (Docket No RM01-5-000)

[Recommendation](#)

[Attachment to Recommendation](#)

All interested parties, regardless of membership status within NAESB are eligible to submit comments for consideration. The WEQ and WGQ Executive Committees will review the recommendation and we have tentatively scheduled a joint WEQ and WGQ EC meeting/web cast/conference call for February 29, 2008 from 1:00 to 5:00 pm C in Houston, Texas. The WEQ and WGQ Executive Committees will review the submitted comments and consider the recommendation for vote. We should know in the next few days whether the meeting/web cast/conference call can be scheduled on February 29, as two days is a short time frame for EC members to consider/read the comments before the meeting date. If scheduled, it will be single topic meeting.

All comments received by the NAESB office by end of business on February 27, 2008 will be posted on the Request and Standards Activity Applicable to the WEQ page: http://naesb.org/weq_request.asp and the Request and Standards Activity Applicable to the WGQ page: http://naesb.org/wgq_request.asp and forwarded to the WEQ and WGQ Executive Committee members for their consideration. If you have difficulty downloading the recommendation and attachment, please call the NAESB office at (713) 356-0060.

Best Regards,

Jonathan Booe

cc: Rae McQuade, President



**RECOMMENDATION TO:
NAESB WEQ and WGQ EXECUTIVE COMMITTEES**

Requester: FERC **Request No.:** 2007 WGQ Annual Plan Item 8
2007 WEQ Annual Plan Item 5

1. Recommended Action:

☐ Accept as requested
☒ Accept as modified below
☐ Decline

Effect of EC Vote to Accept

Recommended Action:

☒ Change to Existing Practice
☐ Status Quo

2. TYPE OF MAINTENANCE

Per Request:

☒ Initiation
☐ Modification
☐ Interpretation
☐ Withdrawal

☐ Principle
☒ Definition
☒ Business Practice Standard
☒ Document
☐ Data Element
☐ Code Value
☐ X12 Implementation Guide
☐ Business Process Documentation

Per Recommendation:

☒ Initiation
☐ Modification
☐ Interpretation
☐ Withdrawal

☐ Principle
☒ Definition
☒ Business Practice Standard
☒ Document
☒ Data Element
☒ Code Value
☐ X12 Implementation Guide
☒ Business Process Documentation

3. RECOMMENDATION

SUMMARY:

The NAESB WGQ/WEQ eTariff Subcommittee recommends adoption of the Proposed e-Tariff Definitions and Standards set forth below. We also recommend adoption of the Implementation Guide for Electronic Tariff Filing, dated January 25, 2008 attached as APPENDIX "A".



**RECOMMENDATION TO:
NAESB WEQ and WGQ EXECUTIVE COMMITTEES**

Requester: FERC **Request No.:** 2007 WGQ Annual Plan Item 8
2007 WEQ Annual Plan Item 5

STANDARDS LANGUAGE:

- D1 Tariff Submitter is the term used to describe any entity that is required to submit a Tariff Filing.
- D2 Tariff Filing is the term used to describe a compilation of all document(s), associated data and supporting documents that is required to be filed electronically by a Tariff Submitter pursuant to Title 18 Code of Federal Regulations Parts 35, 154, 284, 300, 341 or other Parts as required by the Federal Energy Regulatory Commission.
- D3 Tariff Record is the term used to describe the part of a Tariff Filing that consists of the data elements that relate to a sheet, section or entire tariff, rate schedule, or service agreement that is required to be filed with the Federal Energy Regulatory Commission.
- D4 Sheet-Based Format and Section-Based Format are the terms used to describe the subdivision into sheets or sections, respectively, of a tariff, rate schedule, or service agreement for purposes of a Tariff Filing.
- D5 Whole Document Format is the term used to describe a tariff, rate schedule, or service agreement submitted as a single document within a Tariff Record for purposes of a Tariff Filing.
- S1 A Tariff Submitter should electronically submit a Tariff Filing pursuant to the requirements as set forth in NAESB WGQ Standard [x.4.z] / NAESB WEQ Standard [X].
- S2 For the electronic submission of a Tariff Filing, a tariff, rate schedule, or service agreement, and changes thereto, should be structured using one or more of the following methods:
- i. Sheet-Based Format,
 - ii. Section-Based Format, or
 - iii. Whole Document Format.

BUSINESS PROCESS DOCUMENTATION (for addition, modification or deletion of business process documentation language)

Standards Book: WGQ eTariff Related Standards
WEQ eTariff Related Standards

Language:
See Appendix "A"



**RECOMMENDATION TO:
NAESB WEQ and WGQ EXECUTIVE COMMITTEES**

Requester: FERC **Request No.:** 2007 WGQ Annual Plan Item 8
2007 WEQ Annual Plan Item 5

4. SUPPORTING DOCUMENTATION

a. Description of Request:

2007 WGQ Annual Plan Item No. 8:

Develop business practices as needed to support the e-Tariff program including submittal of tariffs and metadata. ([Docket No RM01-5-000](#))

2007 WEQ Annual Plan Item No. 5:

Develop business practices as needed to support the e-Tariff program including submittal of tariffs and metadata. ([Docket No RM01-5-000](#))

b. Description of Recommendation:

eTariff Subcommittee

The eTariff Subcommittee participants included representatives from the FERC Staff, FERC Staff consultants, wholesale natural gas industry, wholesale electric industry, oil pipelines and intrastate natural gas pipelines and others. While many were members of either the NAESB WGQ or NAESB WEQ there was a significant number of non-NAESB member participants. FERC Staff's participation played a key role in the discussion and consensus building resolution of issues.

For details on the discussions and actions of the eTariff Subcommittee, see the eTariff Subcommittee (SC) meeting minutes, eTariff Technical Task Force (eTTF) meeting minutes, meeting minute attachments and the filed work papers. These documents provide the supporting information to this recommendation. The SC meetings and eTTF meetings are noted below including (number of participants either in person or by phone).

February 1, 2007	(79)
March 13, 2007	(113)
April 26, 2007	(99)
May 21, 2007	(72)
June 4, 2007	(100)
July 10, 2007	(65)
July 27, 2007	(89)
August 20, 2007	(50)
August 23-24, 2007 (eTTF)	(43)
September 13-14, 2007 (eTTF)	(36)
October 11-12, 2007	(56)
October 22-23, 2007 (eTTF)	(30)
November 28-30, 2007 (eTTF)	(41)
December 10, 2007 (eTTF)	(23)
January 8, 2008 (eTTF)	(22)
January 23-25, 2008	(73)



**RECOMMENDATION TO:
NAESB WEQ and WGQ EXECUTIVE COMMITTEES**

**Requester: FERC Request No.: 2007 WGQ Annual Plan Item 8
2007 WEQ Annual Plan Item 5**

The proposed eTariff Definitions, eTariff Standards and the Implementation Guide for Electronic Tariff Filing were reached by consensus of the SC and eTTF groups during the meetings.

Final recommendations were subject to a balanced vote for the WGQ and WEQ.

The specific Definitions and Standards recommended to be adopted are set forth above.

Motion on Recommendation, Definitions, Standards, and Implementation Guide:

Adopt proposed NAESB WGQ Definitions [D1, D2, D3, D4 and D5] and Standards [S1 and S2] and NAESB WEQ Definitions [D1, D2, D3, D4 and D5] and Standards [S1 and S2], the proposed Implementation Guide for Electronic Tariff Filing (NAESB WGQ Standard [x.4.z] and WEQ Standard [X], dated January 25, 2008 as set forth in Appendix "A" attached hereto, and the recommendation form containing such.

Discussion on the motion:

Motion made by Ms. Davis and seconded by Ms. Bradford at the NAESB WGQ/WEQ eTariff Subcommittee meeting held on January 25, 2008.

Vote on the Motion

The vote on the motion was a **balanced vote** with the following tally by Segment. Specific votes of participants are set forth in the meeting minutes of January 25, 2008:

WGQ	Votes Cast			Balanced Vote			Abstain
	YES	NO	TOTAL	YES	NO	TOTAL	
End Users	1	0	1	1	0	1	0
LDCs	0	0	0	0	0	0	0
Pipeline	16	0	16	2	0	2	0
Producer	1	0	1	1	0	1	0
Services	3	0	3	2	0	2	0
Total	21	0	21	6	0	6	0

WEQ	Votes Cast			Balanced Vote			Abstain
	YES	NO	TOTAL	YES	NO	TOTAL	
Transmission	5	0	5	2	0	2	4
Generation	2	0	2	2	0	2	1
Marketers/Brokers	2	0	2	2	0	2	1
Distribution/LSEs	1	0	1	1	0	1	0
End Users	0	0	0	0	0	0	0
IGOs	4	0	4	2	0	2	1
Total	14	0	14	9	0	9	7

Motion Passes



**RECOMMENDATION TO:
NAESB WEQ and WGQ EXECUTIVE COMMITTEES**

**Requester: FERC Request No.: 2007 WGQ Annual Plan Item 8
2007 WEQ Annual Plan Item 5**

c. Business Purpose:

The business purpose of the eTariff proposed implementation is to provide natural gas, electric and oil industries subject to applicable FERC rules and regulations related to filing of tariffs at FERC the ability to submit such filings electronically over the Internet, as more fully set forth in RM01-5-000.

d. Commentary/Rationale of Subcommittee(s)/Task Force(s):

The commentary/rationale to support the new definitions and standards is set forth in the meeting minutes noted for the meetings identified above in Section 4.b.



**RECOMMENDATION TO:
NAESB WEQ and WGQ EXECUTIVE COMMITTEES**

Requester: FERC

Request No.:

**2007 WGQ Annual Plan Item 8
2007 WEQ Annual Plan Item 5**

APPENDIX "A"

**COVER SHEET
For**

Implementation Guide for Electronic Tariff Filing

NAESB WGQ Standards [x.4.z] and WEQ Standard [X]

**Updated Proposed Draft Implementation Guide
As of NAESB eTariff Meeting 01/25/2008**

**Implementation Guide for Electronic Tariff Filing
NAESB WGQ Standards [x.4.z] and WEQ Standard [X]
[DATE]
(Draft Updated as of 1/25/08 eTariff Subcommittee)**

DRAFT

**Updated Proposed Draft Implementation Guide
As of NAESB eTariff Meeting 01/25/2008**

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**Updated Proposed Draft Implementation Guide
As of NAESB eTariff Meeting 01/25/2008**

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DRAFT

**Updated Proposed Draft Implementation Guide
As of NAESB eTariff Meeting 01/25/2008**

Executive Summary

This implementation guide is for use by entities required to submit tariffs, rate schedules, and service agreements together with supporting documentation to the Federal Energy Regulatory Commission (FERC) pursuant to Title 18 Code of Federal Regulations Parts 35, 154, 284, 300, 341 or other Parts as required by FERC. Filings which historically were submitted in hard copy should be submitted electronically according to the guidelines contained herein. To accomplish this, the components of the previous filings will need to be separated into various pieces of identifying information as defined by the data elements contained herein. These data elements and their accompanying data, are hierarchically organized by the XML schema and when compiled constitute an XML filing package for an electronic Tariff Filing. The XML filing package is then uploaded through a web portal. The following is a guide describing the various processes/mechanisms, data tables, code values/reference tables, and technical specifications used in the submission of such Tariff Filings.

**Updated Proposed Draft Implementation Guide
As of NAESB eTariff Meeting 01/25/2008**

Business Process

Definitions and Standards

Definitions

- D1 Tariff Submitter is the term used to describe any entity that is required to submit a Tariff Filing.
- D2 Tariff Filing is the term used to describe a compilation of all document(s), associated data and supporting documents that is required to be filed electronically by a Tariff Submitter pursuant to Title 18 Code of Federal Regulations Parts 35, 154, 284, 300, 341 or other Parts as required by the Federal Energy Regulatory Commission.
- D3 Tariff Record is the term used to describe the part of a Tariff Filing that consists of the data elements that relate to a sheet, section, or entire tariff, rate schedule, or service agreement that is required to be filed with the Federal Energy Regulatory Commission.
- D4 Sheet-Based Format and Section-Based Format are the terms used to describe the subdivision into sheets or sections, respectively, of a tariff, rate schedule, or service agreement for purposes of a Tariff Filing.
- D5 Whole Document Format is the term used to describe a tariff, rate schedule, or service agreement submitted as a single document within a Tariff Record for purposes of a Tariff Filing.

Standards

- S1 A Tariff Submitter should electronically submit a Tariff Filing pursuant to the requirements as set forth in NAESB WGQ Standard [x.4.z] / NAESB WEQ Standard [X].
- S2 For the electronic submission of a Tariff Filing, a tariff, rate schedule, or service agreement, and changes thereto, should be structured using one or more of the following methods:
- (i) Sheet-Based Format,
 - (ii) Section-Based Format, or
 - (iii) Whole Document Format

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NAESB WGQ Standard [x.4.z] and NAESB WEQ Standard [x] Technical Implementation of Business Processes

GENERAL PURPOSE:

The purpose of the eTariff Submission implementation guide is to define the requirements for the submission of a Tariff Filing to the Federal Energy Regulatory Commission (FERC) in an electronic format such that the information can be stored in the FERC eTariff database and in eLibrary. The eTariff Submission dataset is used by an entity (Tariff Submitter) required to electronically submit Tariff Filings to the FERC pursuant to Title 18 Code of Federal Regulations Parts 35, 154, 284, 300, 341 or other Parts as required by FERC.

Set forth below is an explanation of how the eTariff Submission dataset works, including instructions describing the various processes / mechanisms, data tables, code values / reference tables, and technical specifications used in the submission of a Tariff Filing.

The eTariff Submission dataset is used to electronically submit a new, modify an existing, and withdraw or cancel a tariff, rate schedule, or service agreement. Within the FERC eTariff database, each Tariff Submitter will have one or more of its own database(s). A Tariff Submitter's database must contain at least one Tariff Record. A Tariff Record is a single occurrence (row) in a database (similar to a row in a spreadsheet) consisting of multiple data elements that relate to a sheet, section, or entire tariff, rate schedule, or service agreement.

Sheet-Based Format and Section-Based Format describes the subdivision into sheets or sections, respectively, of a tariff, rate schedule, or service agreement for purposes of a Tariff Filing. Whole Document Format describes a tariff, rate schedule, or service agreement submitted as a single document within a Tariff Record for purposes of a Tariff Filing. A single database may contain one or more tariff(s), rate schedule(s), and service agreement(s) that are in different formats. For example, a tariff may be in a Sheet-Based Format or Section-Based Format, while the rate schedules may be in Whole Document Format.

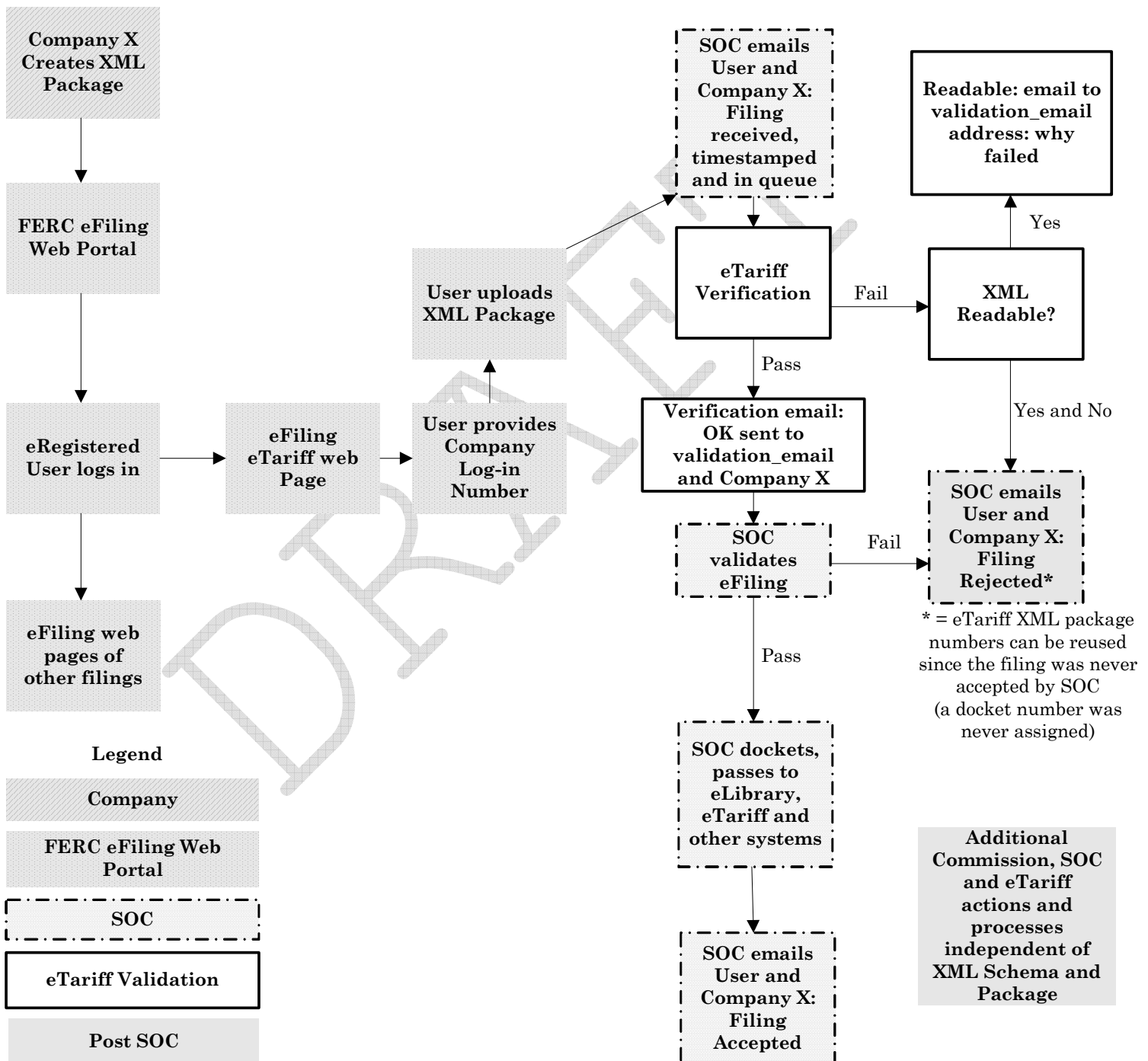
The decision to use Sheet-Based Format, Section-Based Format, or Whole Document Format is left to the Tariff Submitter consistent with FERC regulations.

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eTariff Filings Process Flow through the FERC eFiling Web Portal

DIAGRAM

The following is a high level diagram representing the overall process flow from the creation of an eTariff XML filing package by a Tariff Submitter through the Secretary of the Commission (SOC) acceptance or rejection of the filing. Following the diagram is a more detailed description of the submission to FERC and the processing the eTariff XML filing package.



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Description of eTariff Filing Process Flow

Disclaimer:

The following summary represents FERC Staff's best understanding of how the eFiling process, including eTariff, will be designed. As of January 2008 the process has not been built, or fully designed, therefore FERC may change the process.

The FERC's eFiling *Reference Guide*, located at www.ferc.gov, provides a step-by-step set of instructions and expected results for the eFiling process.

- A User is a person authorized to submit a filing on behalf of a Tariff Submitter, as defined in NAESB WGQ Standard [D1] and NAESB WEQ Standard [D1]. The User must be an eRegistered party for eFiling.
- The User will login into the FERC eFiling portal.
- The User, upon successfully logging into the FERC eFiling portal, will be presented with the introductory screen indicating success in accessing the site, and presented with a link to the filing creation part of the site.
- Upon entering the filing creation site, the User will choose to make an eTariff filing.
- The eTariff portal will prompt the User to enter company login information (see Note 1 below). After successfully passing this step, the User will upload an eTariff XML filing package.
- Once the filing is uploaded, the eFiling web page indicates the Tariff Filing has been submitted.
- After the filing has been submitted, SOC will send a Confirmation of Receipt e-mail to the User and to the e-mail address on file with FERC for the company that logged in. This e-mail only acknowledges the receipt of the filing through the eFiling portal, provides a timestamp, and indicates that the filing is placed in the queue to be processed.
- The eTariff XML filing package will be validated programmatically by an eTariff verification process.
 - If the XML is unreadable, an e-mail will be sent by SOC to the User and to the e-mail address on file with FERC for the company logged-in (as a result of the XML being unreadable, the Validation e-mail address contained in the XML package cannot be obtained).

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- If the verification is completed successfully, an e-mail will be sent to the Validation e-mail address provided in the eTariff XML package and to the e-mail address associated with the Company Identifier (or multiple Company Identifiers, as applicable (see Note 2 below)) for the affected database. This does not mean that the filing has been accepted by SOC.
- In the event the XML filing package can be read and the Validation e-mail can be obtained, but the data does not pass verification, (an e-mail will be sent to the Validation e-mail address provided in the eTariff XML filing package. This e-mail will provide information about the problems encountered during the verification process.
- FERC's SOC will send an e-mail to the User and the e-mail address on file with FERC for the company logged in. The e-mail will indicate that either the filing:
 - Has been accepted through SOC's process for filing and docketed (which does not guarantee that other filing deficiencies will not result in rejection later in the review processes within FERC). At this time the filing is passed on to eLibrary, eTariff and other FERC systems; or
 - Has been rejected and not docketed (see Note 3 below).

Notes:

- (1) As of January 2008, the FERC staff does not know whether the company that logs-in will be required to correlate to the company identified by the Company Identifier in the XML package).
- (2) As of January 2008, the FERC Staff does not know how joint filings will be handled. A "Joint Filing" refers to a Tariff Filing made on behalf of multiple parties with an identical tariff, rate schedule, or service agreement that is part of a single XML filing package. This is different from a shared tariff, rate schedule, or service agreement that refers to any situation where multiple parties are allowed to add or change the contents of a specific tariff, rate schedule, or service agreement, which is associated with one company_id.
- (3) If the filing is rejected at any point prior to receiving a docket number, the filing can be corrected and re-submitted using the same Filing Identifier. Once it is docketed it becomes part of the public record, the Filing Identifier cannot be re-used.

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eTariff Submission Dataset Overview:

The eTariff Submission dataset consists of a Data Dictionary that contains three data tables, as more fully explained below. The data tables explain the data elements used when creating a single Tariff Filing. The dataset also includes Code Value Dictionaries used for populating some data elements with standardized code values. Once the Tariff Submitter has completed all of the requirements for the various data elements, the data will need to be compiled into a single XML file pursuant to the XML schema contained in the technical section below, and then zipped for submission to FERC via the eFiling / eTariff web portal.

Data Dictionary Data Tables Overview:

The eTariff Submission Data Dictionary consists of the following three data tables, which are presented in hierarchical order:

Filing Data Table:

This table includes, but is not limited to, the data elements that identify the company making the Tariff Filing, the Type of Filing, and the name of the database that is being created, modified, or cancelled. A single Tariff Filing may only have one set of Filing Data. The data in this table is required for each Tariff Filing.

Attachment Data Table:

This table includes, but is not limited to, the data elements that describe each of the attachments (e.g., transmittal letter, redline and clean versions of a tariff, rate schedule, or service agreement or portions thereof, and supporting materials) regardless of whether they are required or optional for the given Type of Filing, as set forth in the FERC rules and regulations. Currently, all Type of Filings will have at least one attachment and thus at least one set of attachment data elements (e.g., the transmittal letter).

Tariff Record Content Data Table:

This table includes, but is not limited to, the data elements that are used to uniquely identify the individual Tariff Records being submitted, the proposed effective date, the order in which the Tariff Records should be assembled, and the binary data and plain text for each Tariff Record. A single Tariff Filing may have multiple sets of Tariff Record Content Data. Based on the Type of Filing there may or may not be any Tariff Record Content Data.

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Data Element Overview:

The data elements are the individual pieces of information or data that make up the Tariff Filing. Each will have a defined format, may be required, conditional or optional and may have restricted values. A data element may contain text or an electronic file (e.g., a .PDF file) as more fully explained in this implementation guide. An explanation of the individual data elements is provided in the data table portion of this implementation guide. In such tables, for each data element, the following information is provided:

- Business Name
- Element Name (this is the corresponding technical (metadata) name used in the XML schema)
- Definition of Data Element
- Field Format (length)
- Valid Values
- Usage / Responsibility and Conditions

A Tariff Filing is unique by the combination of the Company Identifier, Filing Identifier, and Tariff Identifier. A Tariff Record is unique by the combination of the Tariff Record Identifier, Option Code, Tariff Record Proposed Effective Date and Record Effective Priority Order.

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Details of Individual Data Elements:

The following are the individual data elements provided in the same order as they appear in the Data Tables:

Note: For additional information on each data element, e.g., formatting requirements, see the definitions and other requirements as set forth in the data tables.

Filing Data Table Data Elements:

Schema Version:

This is the version of the XML schema used to create the specific Tariff Filing. The Schema Version and the actual schema will be published on the FERC website located at www.ferc.gov. Any changes to the schema will be made through a FERC notice or order.

Company Identifier:

A FERC-designated company identifier code used to define an entity registered with FERC to make Tariff Filings.

Tariff Identifier:

A unique identifier for a Tariff Submitter's database as it pertains to the database being modified by a Tariff Filing. A Tariff Submitter may have more than one active database. A database may contain one or more tariffs, rate schedules, or service agreements. A Tariff Identifier is supplied by the Tariff Submitter. Once a Tariff Identifier in a Tariff Filing has been accepted for filing by the SOC, it cannot be changed. A Tariff Identifier, even if cancelled, cannot be reused.

Tariff Title:

The name of the database assigned by the Tariff Submitter. The name of the database may not be changed. It is suggested that the Tariff Submitter's name not be included in the Tariff Title, as the Tariff Submitter's name is captured by the Company Identifier.

Filing Identifier:

A unique number identifying the subject Tariff Filing. The Tariff Submitter assigns the value. Filing Identifiers do not have to be assigned sequentially from one filing to the next. If a Tariff Filing is rejected by SOC prior to being docketed, the Filing Identifier may be reused.

Filing Title/Description:

The title given to the filing by the Tariff Submitter. Additional instructions may be published on the FERC website or via FERC notice or order. This data element will be used in eLibrary as part of the description of the Tariff Filing. The description may be edited by the SOC before or after posting in eLibrary.

Type of Filing Code:

A numeric code that identifies the Type of Filing being made as defined by FERC regulation. Only one Type of Filing can be submitted in a single Tariff Filing. The Type of Filing will dictate the data requirements for the subject filing. A list of allowable codes will be published on the FERC website located at www.ferc.gov, with changes communicated via a FERC notice or order. FERC will provide this information in CSV (comma separated value) and PDF formats which will be updated as regulations are modified.

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Associated Filing Identifier:

Identifies the previous filing, if any, to which the subject filing pertains. The value provided is the Filing Identifier for the previous filing. When Associated Filing data is required, only one Associated Filing number can be provided.

Validation e-mail:

An e-mail address provided by the Tariff Submitter for notification of the results of the technical validations from the eTariff verification process. The Validation e-mail address does not have to be eRegistered with FERC.

Payment Confirmation Code:

For certain Type of Filings, the regulations require that a fee be paid along with the Tariff Filing. The payment of such fee is made at www.pay.gov. The confirmation number obtained after the successful payment is used to populate the Payment Confirmation Code. It is suggested that the Tariff Submitter be familiar with the www.pay.gov procedures or pre-pay a set of fees prior to making the Tariff Filing with FERC to avoid last minute delays that may prevent a timely filing.

Suspension Motion:

As of January 2008, this data element is only applicable to certain Part 154 filings made by interstate natural gas pipelines. It is not applicable to the electric or oil industries. This data element indicates whether or not the Tariff Records should automatically go into effect at the end of the applicable suspension period. If the value provided is no ("N"), the status of the Tariff Record will remain "Suspended" until such time as the Tariff Submitter files an appropriate motion filing. If the value provided is yes ("Y"), FERC's eTariff maintenance will automatically change the status from "Suspended" to "Effective" at the end of the suspension period with no further action required of the Tariff Submitter.

Attachment Data Table Data Elements:**Attachment Reference Code:**

The data code identifies the type of attachment based on the Type of Filing. A list of allowable codes will be published on the FERC website located at www.ferc.gov, with changes communicated via a FERC notice or order. FERC will provide this information in CSV and PDF formats which will be updated as regulations are modified. This data element must be completed for each required attachment, regardless of whether a waiver is requested for the subject attachment.

Attachment Description:

This is the description of the individual attachment. For attachments that are pre-defined by FERC's regulations, the description should be the FERC pre-defined description. For attachments that are added by the Tariff Submitter that are "Other", the description can be any value desired. The Attachment Description is not required if a waiver has been requested for the subject attachment. The Attachment Descriptions provided will be displayed in eLibrary. Additional instructions regarding this data element may be published on the FERC website or via FERC notice or order.

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Attachment Waiver Requested:

This data element indicates whether or not a waiver is requested. A FERC table providing rules for attachments is located at www.ferc.gov. This table indicates whether an attachment for a given Type of Filing can be waived. If an attachment is provided, the field is filled with no ("N"). If a waiver for the attachment is allowed, and the Tariff Submitter wants to request a waiver, the field is filled with a yes ("Y"). If "Y" is chosen, there is no need to attach the corresponding attachment. The Waiver Request code is solely for the purpose of passing the SOC's electronic filing validation checks. The actual request for waiver of the FERC's regulations and supporting documentation must be provided in the transmittal letter.

Attachment Document File Name:

This is the actual file name for the identified attachment provided by the Tariff Submitter. The file name is the name of the individual electronic document, including the extension. The name is chosen by the Tariff Submitter, unless otherwise provided in FERC instructions. The SOC's file name extension rules will be enforced. The Attachment Document File Name will appear in eLibrary. The Attachment Document File Name is not required if a waiver has been requested for the subject attachment.

Attachment Document:

This is the content of the actual attached document in a base64 bit encoded binary file. This binary file is in the native format of the saved file generated from the word processing software, or other FERC approved software format(s), in which the attachment was written. Base64 bit encoding is an additional step that must be applied to the binary file, using encoding software, enabling the file to be inserted into the XML. The Attachment Document is not required if a waiver has been requested for the subject attachment.

All Tariff Filing attachments must meet the same rules and requirements applicable to any document filed with FERC through its eFiling portal. Instructions with regard to the electronic format and content of electronic documents will be published on the FERC website located at www.ferc.gov or via FERC notice or order. However, the eTariff verification process does not enforce these rules, which are subject to other FERC processes.

A clean copy of the proposed tariff, rate schedule, or service agreement for posting in eLibrary is required for all Tariff Filings. The guidelines for this document are as follows:

Guidelines for the attachment that represents the clean copy of the proposed tariff, rate schedule, or service agreement, or portion thereof, for posting in eLibrary:

1. The electronic version of the clean copy of the proposed tariff, rate schedule, or service agreement, or portion thereof, must conform with the SOC's guidelines for electronically filed text documents, located at www.ferc.gov.
2. No information is required in the header or footer of the clean tariff, rate schedule, or service agreement, or portion thereof, to be posted in eLibrary. At its discretion, a Tariff Submitter may include information in the header or footer.

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3. When using Whole Document Format and the Record Binary Data is submitted in PDF, a title page should be included containing the following information:
 - a. Tariff Submitter
 - b. FERC Tariff Program name. The current programs are:
 - i. FERC FPA Electric Tariff
 - ii. FERC PA Electric Tariff
 - iii. FERC NGA Gas Tariff
 - iv. FERC NGPA Gas Tariff
 - v. FERC ICA Oil Tariff
 - c. Tariff Title
 - d. Tariff Record Proposed Effective Date
 - e. Tariff Record Title
 - f. Option Code
 - g. Other information as the FERC may require by notice or order
4. The attachment that is the clean copy for posting in eLibrary must be identical with that provided in the Record Binary Data with the exception of the text in the header or footer information.

Attachment Content Type Code:

This is the numeric code representing the software format of the specific attachment. A list of allowable codes will be published on the FERC website located at www.ferc.gov with changes communicated via a FERC notice or order. FERC will provide this information in CSV and PDF formats which will be updated as necessary. The Attachment Content Type Code is not required if a waiver has been requested for the subject attachment.

Attachment Security Level:

This code is used to indicate the level of security for the specific attachment. For example, the code indicates whether the attachment is Public, Privileged, or if Critical Energy Infrastructure Information (CEII) classification is being requested. Certain attachments are required to be Public; however, those attachments may be submitted in redacted form along with an un-redacted copy of the attachment. Additional instructions may be published on the FERC website located at www.ferc.gov or via FERC notice or order. The Attachment Security Level is not required if a waiver has been requested for the subject attachment.

Tariff Record Content Data Table Data Elements:

Tariff Record Identifier:

This data element is a numeric value assigned by the Tariff Submitter to uniquely identify each Tariff Record. This identifier will not change with each revision within a given Tariff Record. The Tariff Record Identifier does not have to be sequential.

Option Code:

This data element permits a Tariff Submitter to propose alternate sets of Tariff Records (Option Sets) in a single Tariff Filing, with a request that FERC determine which Option Set to accept (i.e., place into effect). For each set of Tariff Records, the Tariff Submitter proposed options must start with "A" and increment sequentially through the alphabet, i.e., the Tariff Record can not have an option designated as "A" and another option designated as "C" without having an option of "B". If no alternative Options Sets are

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being proposed, the value for this data element would be an "A". Each Option Set must contain all Tariff Records for the relevant Tariff Filing even if some of the Tariff Records are identical across the Option Sets. If FERC accepts Tariff Records from various Option Sets, it will require a compliance filing.

Tariff Record Title:

The Tariff Record Title is chosen by the Tariff Submitter for the individual Tariff Record. The Tariff Record Title may be changed in a subsequent Tariff Filing. If the Whole Document Format is used, the Tariff Record Title of the tariff, rate schedule, or service agreement should reflect the existing FERC naming conventions e.g., FERC Electric Tariff Volume Number 1, Rate Schedule X-5, Service Agreement No. 4 Under Tariff Volume No. 3.

Record Content Description:

This is a textual description of the Tariff Record. When the database is assembled, this field may be used to generate the database Table of Contents. The Record Content Description may be changed in a subsequent Tariff Filing.

Record Version Number:

This is a representation of the version (designation) of the Tariff Record, in the format of x.y.z, where "x" represents revision number for the given Tariff Record, "y" delineates that it is a substitute for a previously filed Tariff Record, and "z" indicates that it is a "squeeze" Tariff Record. A "squeeze" Tariff Record occurs when a Tariff Record needs to be made effective on a date which occurs between the effective dates of two Tariff Records with the same Tariff Record Identifier already on file with FERC. Commonly, this occurs when a Tariff Record is suspended and subsequent Tariff Records need to be made effective prior to when the suspended Tariff Record becomes effective. The Tariff Submitter may choose to use only "x" for all revised, substitute, and squeezed Tariff Records. In that case, the "y" and "z" should be zero.

This information is not used to determine actual status of a Tariff Record. This field will not be checked by the eTariff verification process. FERC will not use it in any automated fashion. This field is provided for ease of business and FERC referencing and will only be used for display.

Guidelines for the Record Version Number:

1. Each version of a Tariff Record must have a unique Record Version Number.
2. The "x", "y" and "z" components:
 - are integers
 - begin with 0.0.0
 - increment separately by one
3. Record Version Numbers are not required for the following Type of Filings and Tariff Record changes:
 - Withdrawal
 - Motions to place Tariff Records into effect or delay effectiveness

Record Narrative Name:

This is an optional data element that provides the Tariff Submitter the ability to include an additional narrative description of the Tariff Record. As of January 2008, FERC has not determined how this information will be utilized.

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Tariff Record Collation Value:

This is a value provided by the Tariff Submitter that determines the order in which the Tariff Records are compiled. In other words, it will provide the appropriate sequencing of the Tariff Records. For each Tariff Record:

- Use a unique Tariff Record Collation Value, and
- It is recommended that in the preparation of a new database, a sufficient gap (e.g., increments of 1,000) be provided between the collation values to allow for future insertion of new Tariff Records.

A Tariff Record Collation Value may be modified as part of another Tariff Filing.

Example:

Tariff Record	Collation Value
Common Service Provisions	2000
Definitions	3000
Table of Contents	1000

The Tariff Records would be assembled in the following order:

Table of Contents
Common Service Provisions
Definitions

Tariff Record Parent Identifier:

The Tariff Record Parent Identifier provides the hierarchical structure to identify the higher-level part of the database to which the subject Tariff Record belongs.

When a database is first organized, thought should be given to how the electronic Table of Contents will appear. A Tariff Record that has no parent has a Tariff Record Parent Identifier of "0", i.e., top level record. If the value provided is not "0", it must be a valid Tariff Record Identifier of another Tariff Record. It is suggested by FERC that no more than 7 levels under a top level record be used.

A Tariff Record Parent Identifier may be modified as part of another Tariff Filing.

Tariff Record Proposed Effective Date:

This indicates the date the given Tariff Record is proposed to go into effect. It is used to determine which version of a Tariff Record change is effective in accordance with applicable law, regulations and business practices. The data in this field is subject to FERC review and disposition, which will impact the status of a Tariff Record for any given period of time.

If the effective date is not known at the time of the filing, such as the effective date is contingent on FERC approval, the closing of a plant sale, etc., the date of 12/31/9999 must be used. Use of this option may have regulatory consequences depending on the FERC Tariff Program.

Changing a Tariff Record Proposed Effective Date requires a Tariff Filing.

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Record Effective Priority Order:

A positive integer assigned by the Tariff Submitter that indicates the order of multiple changes for a given Tariff Record (i.e., the same Tariff Record Identifier) proposed to go into effect on the same date. The Tariff Record with the highest Record Effective Priority Order will supersede any other Tariff Records with the same Tariff Record Identifier also proposed to be effective for that date. The value must be unique across Tariff Records with the same Tariff Record Identifier and Tariff Record Proposed Effective Date. It is recommended that the default Record Effective Priority Order value be set relatively high, e.g., 500, thereby allowing subsequent Tariff Filings with Record Effective Priority Orders either before or after the initial Record Effective Priority Order.

Record Content Type Code:

This is the numeric code representing the software format of the specific Record Binary Data. A list of allowable codes will be published on the FERC website located at www.ferc.gov with changes communicated via a FERC notice or order. FERC will provide this information in CSV and PDF formats which will be updated as necessary.

Record Binary Data:

This is the content of the Tariff Record in a Base64 bit encoded binary file. This binary file is in the native format of the saved file generated from the word processing software, or other FERC approved software format(s), in which the Tariff Record content was written. Base64 bit encoding is an additional step that must be applied to the binary file, using encoding software, enabling the file to be inserted into the XML.

All Record Binary Data must meet the same rules and requirements applicable to any document filed with FERC through its eFiling website. Instructions with regard to the electronic format and content of electronic documents will be published on the FERC website located at www.ferc.gov or via FERC notice or order. However, the eTariff verification process does not enforce these rules, which are subject to other FERC processes.

Record Plain Text:

This is the plain text version of the content of the Record Binary Data. Formatting and other binary values are stripped from this content. This field will be used for searching and indexing.

Record Change Type:

This data element indicates the type of change / revision / maintenance action being requested for the Tariff Record, e.g., new, change, cancel, etc. Some Type of Filings are restricted to the choice of Record Change Types.

Business descriptions of the Record Change Types are as follows:

NEW:	To create a new Tariff Record Identifier.
CHANGE:	To change an existing Tariff Record. Modifications to a Tariff Record that has been cancelled may be made if the Tariff Record Proposed Effective Date is prior to the cancellation date.
CANCEL:	Used to cancel a Tariff Record Identifier. Once cancelled, the Tariff Record Identifier cannot be changed with a filing that contains a Tariff Record Proposed Effective Date that is after the accepted date of cancellation. Cancellation of a Tariff Record Identifier that is a Tariff

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Record Parent Identifier will automatically cancel all related child Tariff Record Identifiers.

Cancellation of a Tariff Record Identifier should not be confused with cancelling a Tariff Identifier, which requires the submission of a cancellation Type of Filing.

WITHDRAW: Used to withdraw a pending or suspended Tariff Record. The withdrawal of a "NEW" Tariff Record Parent Identifier will automatically cancel all "NEW" children. Withdrawal of "CHANGE" Tariff Records requires identification of each changed Tariff Record to be withdrawn. Filings to withdraw Tariff Records that are no longer pending or suspended will result in a verification error and SOC rejection. "WITHDRAW" can only be used with a withdrawal Type of Filing. Depending on the program, withdrawal's effectiveness may be reflected automatically by FERC's eTariff database maintenance. At a minimum, the Tariff Submitter needs to provide the following data elements:

- Tariff Record Identifier
- Option Code
- Record Change Type
- Associated Filing Identifier
- Associated Record Identifier
- Associated Option Code

PRO FORMA: Used to submit a Tariff Record proposal without invoking statutory processing timelines. The Tariff Submitter should include a Tariff Record Proposed Effective Date, which is used for database maintenance. Pro Forma Tariff Records cannot be converted to effective Tariff Records by FERC, and should be resubmitted as actual Tariff Records.

Associated Filing Identifier:

Used to provide the Tariff Filing Identifier associated with a previously filed Tariff Record that the subject Tariff Record replaces. This field is only populated when the Associated Filing Identifier data element (in the Filing Data Table) is populated. This data element is used in conjunction with the Associated Record Identifier and the Associated Option Code (below). This is not applicable to all Type of Filings.

An Associated Filing Identifier for the subject Tariff Record does not have to be the same as the Associated Filing at the filing level used in this Tariff Filing.

Amendment and Compliance Type of Filings permit multiple Associated Filing Identifiers, however only one Associated Filing Identifier may be provided for each Tariff Record.

Associated Record Identifier:

This field is used in conjunction with the Associated Filing Identifier and the Associated Option Code to provide the Tariff Record Identifier of the Tariff Record which the subject Tariff Record replaces. It should refer to a Tariff Record Identifier in a previous filing, and this value should be that record's Tariff Record Identifier.

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Associated Option Code:

This field is used in conjunction with the Associated Filing Identifier and the Associated Record Identifier. The value should be the correct Option Code for the Associated Record Identifier.

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DATA DICTIONARY

NAESB WGQ Standard [x.4.z] and NAESB WEQ Standard [x]

Introduction

The following three Data Tables make up the Data Dictionary for electronic Tariff Filings. Conceptually, the purpose of each table is:

- Filing Data - describes the overall filing.
- Attachment Data - supporting documents required by specific Type of Filing or additional documents supplied by the Tariff Submitter.
- Tariff Record Content Data - the actual “text” or “content” of the tariff, rate schedule, or service agreement along with its associated metadata.

The data elements contained in the three data tables are presented in the order in which they appear in the XML schema.

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Filing Data

This data defines the Tariff Filing and this data will be provided with each Tariff Filing.

Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Schema Version	schema_version	The version of the XML schema used to create the specific Tariff Filing.	Numeric (10)	Any number between 1 and 2,147,483,648	Required.
Company Identifier	company_id	A FERC-designated Company Identifier code used to identify an entity required to submit Tariff Filings to FERC pursuant to Title 18 Code of Federal Regulations Parts 35, 154, 284, 300, 341 or other Parts as required by FERC.	Alphanumeric (10)	Free form text	Required. Assigned by FERC and provided in the Tariff Filing by the Tariff Submitter.
Tariff Identifier	tariff_id	A unique identifier for the Tariff Submitter's database assigned by the Tariff Submitter as it pertains to the database being modified by the Tariff Filing. This can be any value in the allowable range of numbers, but it must be unique for each Tariff Submitter's database. A Tariff Submitter may have more than one active database.	Numeric (10)	Any number between 1 and 2,147,483,648	Required. Assigned and provided by the Tariff Submitter. The Tariff Identifier of the database cannot change.
Tariff Title	tariff_title	The name of the database assigned by the Tariff Submitter.	Alphanumeric (100)	Free form text.	Required only when creating a new database. After the initial submission, the Tariff Identifier is used, and this data element may be left blank. Assigned and provided by the Tariff Submitter. The Tariff Title of the database cannot change.
Filing Identifier	filing_id	A unique identifier for the subject Tariff Filing for the Tariff Submitter.	Numeric (10)	Any number between 1 and 2,147,483,648	Required. Assigned and provided by the Tariff Submitter. This can be any value in the valid range of numbers, but it must be unique across all Tariff Filings for a specific Tariff Submitter.

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Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Filing Title / Description	filing_title	The title given to the Tariff Filing by the Tariff Submitter.	Alphanumeric (80)	Free form text.	Required. Assigned and provided by the Tariff Submitter. This will not be used in FERC's eTariff system and will be used in eLibrary.
Type of Filing Code	filing_type	A code that identifies the specific FERC defined type of Tariff Filing as set forth in Title 18 Code of Federal Regulations Parts 35, 154, 284, 300, 341 or other Parts as required by the Commission (e.g., initial, compliance, surcharge, etc.). The Type of Filing will dictate the data requirements for the subject filing	Numeric (10)	See list of codes posted @ www.ferc.gov	Required.
Associated Filing Identifier	associated_filing_id	The Filing Identifier for the previous Tariff Filing to which the subject filing pertains (i.e., associated).	Numeric (10)	Any number between 1 and 2,147,483,648	Conditional. Assigned and provided by the Tariff Submitter. This is not applicable to all Type of Filings. Where it is used, it must refer to a previous Tariff Filing, and the value should be that previous Tariff Filing's "filing_id" value. An example might be the subject Tariff Filing is a compliance (or withdrawal) filing and the previous, applicable Tariff Filing to which it pertains must be identified in this field.
Validation e-mail	validation_email	The email address provided by the Tariff Submitter for notification of whether the Tariff Filing meets the technical requirements such that it can be passed on to the Secretary of the Commission (SOC) for further processing.	Alphanumeric (100)	Free form text	Required.
Payment Confirmation Code	pay_confirm_code	The confirmation number for the associated fee that has been previously submitted via www.pay.gov , as applicable.	Alphanumeric (15)	Free form text	Conditional based on the Type of Filing. Required if payment is required by the regulations. Provided by the Tariff Submitter.

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Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Suspension Motion	suspend_motion	An indication of whether or not the Tariff Records should automatically go into effect at the end of the applicable suspension period.	Character (1)	"Y" or "N"	Conditional based off of Type of Filing. Provided by the Tariff Submitter.

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Attachment Data

This defines data for each supporting / attached document that is either (1) being provided with the Tariff Filing or (2) for which a waiver is requested.

Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Attachment Reference Code	att_ref_code	The FERC assigned reference code for each attachment type.	Numeric (10)	See list of codes posted @ www.ferc.gov	Required. Provided by the Tariff Submitter. If the attachment pertains to a specific document defined for the Type of Filing, the appropriate document reference code must be used. Note: The code may be different for each Type of Filing.
Attachment Description	att_desc	The title given to the attachment submitted by the Tariff Submitter.	Alphanumeric (80)	Free form text.	Required. For attachments that are pre-defined by FERC's regulations, the description will be the FERC pre-defined description. For other attachments that are added by the Tariff Submitter, the description can be any value desired. These descriptions will be displayed in eLibrary as assigned and provided by the Tariff Submitter.
Attachment Waiver Requested	att_waiver_request	An indication of whether or not the Tariff Submitter is requesting a waiver for submission of the attachment specified as required by the Attachment Reference Code.	Character (1)	"Y" - waiver is requested "N" or " " - waiver not requested	Conditional on the Type of Filing – required for those attachments that are required by regulations. Assigned and provided by the Tariff Submitter. For each document that is requested to be waived, the Attachment Reference Code (above) is provided, and a value of "Y" is entered here. If an actual document is being provided, this value should be "N" or " ".
Attachment Document	att_binary_data	This is the actual document content.	Binary (50 MB)	Binary Base64 bit encoded file content	Conditional on the Type of Filings. Required if Attachment Document is required by regulation and waiver of such is not requested in the field "Attachment Waiver Requested." Provided by the Tariff Submitter.

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Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Attachment Document File Name	att_filename	The complete file name, including the extension, assigned by the Tariff Submitter of the Attachment Document being attached.	Alphanumeric (60)	Free form text.	If the Attachment Waiver Requested is "Y", Attachment Document File Name is not required. Assigned and provided by the Tariff Submitter if not otherwise pre-defined by FERC's regulations or instructions. This file name will be used to identify the document and the extension will be used for retrieval purposes. Valid file names cannot include special characters such as: ? / * \ " ' > <
Attachment Content Type Code	att_content_type_code	The numeric code representing the software format of the specific Attachment Document.	Numeric (10)	See list of codes posted @ www.ferc.gov	
Attachment Security Level	att_security_level	The level of security requested for the specific attached document corresponding to the applicable Attachment Document.	Character (1)	"P" - Public "M" - Privileged "X" - Critical Energy Infrastructure Information See list of codes posted @ www.ferc.gov	Conditional based on Type of Filing. Required when the Attachment Document is provided. Certain Attachment Documents are required to be Public. Assigned and provided by the Tariff Submitter.

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Tariff Record Content Data

This provides the data for each Tariff Record.

Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Tariff Record Identifier	record_id	An identifier for the Tariff Record within a given database that will not change as a result of revisions to the content of the Tariff Record (with same or different effective dates). No two different Tariff Records in the same database may have the same Tariff Record Identifier.	Numeric (10)	Any number between 1 and 2,147,483,648	Required. Assigned by the Tariff Submitter. Each Tariff Record in the database has an associated Tariff Record Identifier number that does not change with each revision within a given database. The Tariff Record Identifier is not used for collation and does not have to be assigned sequentially.
Option Code	option_code	An identifier that designates the alternative Tariff Record option being submitted. An identifier that designates the primary Tariff Record as "A" and designates all alternative Tariff Record options being submitted, if any, sequentially in alphabetic order.	Character (1)	"A" thru "Z" allowed.	Required. Provided by the Tariff Submitter. Default (no more than one option is provided) is "A".
Tariff Record Title	record_title	The name of the Tariff Record contents.	Alphanumeric (60)	Free form text.	Required, if Tariff Record is a first-level Parent or in a Whole Document Format. Optional in other cases. Assigned by the Tariff Submitter. This field may be used in a database generated Table of Contents.
Record Content Description	record_content_desc	Textual description of the Tariff Record.	Alphanumeric (25)	Free form text.	Required. Assigned by the Tariff Submitter. This field may be used in a database generated Table of Contents.

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Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Record Version Number	record_version_number	A representation of the version (designation) of the Tariff Record.	Alphanumeric (10)	x.y.z x = revision number y = substitute number z = "squeezed" number	Conditional based on Type of Filing. This information is not used to determine actual status of a Tariff Record. It is not used in any automated fashion other than display (possibly in the table of contents). This data is provided for ease of business and FERC referencing only.
Record Narrative Name	record_narrative_name	An additional narrative description of the Tariff Record.	Alphanumeric (254)	Free form text	Optional.
Tariff Record Collation Value	collation_value	A value that will determine the sort order in which the Tariff Records are merged.	Numeric (25)	Any number between 1 and 2,147,483,648	Required. Assigned by the Tariff Submitter.
Tariff Record Parent Identifier	record_parent_id	Provides the hierarchical structure to identify the higher-level part of the database to which this Tariff Record belongs.	Numeric (10)	Any number between 0 and 2,147,483,648	Required. Assigned by the Tariff Submitter. If the Tariff Submitter chooses not to use the functionality of this field, they must still populate the field with "0". Otherwise, the value must be a valid Tariff Record Identifier.
Tariff Record Proposed Effective Date	proposed_effective_date	The proposed effective date for the specified Tariff Record.	Date (10)	YYYY-MM-DD	Required. Assigned by the Tariff Submitter.

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Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Record Effective Priority Order	priority_order	A positive integer that directs which of multiple changes of a given Tariff Record (the same Tariff Record Identifier) proposed to go into effect on the same day, will take precedence, i.e., the Tariff Record with the highest numeric value will supersede any other Tariff Records with the same Record Identifier also proposed to be effective for that day.	Numeric (10)	Any number between 1 and 2,147,483,648	Required. Assigned by the Tariff Submitter. Default value should allow for priority values below and above the Tariff Record of a specific Tariff Record Proposed Effective Date initial value (for example: 500). The value must be unique for a specific Tariff Record for a specific Tariff Record Proposed Effective Date. When the current database is assembled for a particular effective date and there are multiple Tariff Records with the same Record Identifier and the same effective date, the approved Tariff Record for that effective date with the highest Record Effective Priority Order number will be the effective Tariff Record.
Record Content Type Code	record_content_type_code	The version of the software used to create the specific Tariff Record.	Numeric (10)	See list of codes posted @ www.ferc.gov	Conditional based on Type of Filing and/or structure of database. Provided by the Tariff Submitter.
Record Binary Data	record_binary_data	The actual Tariff Record content.	Binary (10 MB)	Binary Base64 bit encoded file content	Conditional based on Type of Filing and/or structure of database. Provided by the Tariff Submitter.
Record Plain Text	record_plain_text	The plain text version of the content of the Record Binary Data. Formatting and other binary values are stripped from this content.	Alphanumeric (10 MB)	Free form text	Conditional based on Type of Filing and/or structure of database. Provided by the Tariff Submitter.
Record Change Type	record_change_type	A description of the type of change being requested.	Alphanumeric (15)	See Code Values Dictionary	Required. Assigned by the Tariff Submitter. Used to identify the appropriate Tariff Record maintenance action. Some Type of Filings restrict the choice of Record Change Types.

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Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Associated Filing Identifier	associated_filing_id	The Tariff Filing Identifier associated with a previously filed Tariff Record which the subject Tariff Record replaces. Note: This is used in conjunction with the Associated Record Identifier and the Associated Option Code (below).	Numeric (10)	Number between 1 and 2,147,483,648 used by the Tariff Submitter in a previous Tariff Filing	Conditional. Assigned by the Tariff Submitter. This is not applicable to all Type of Filings. Where the Type of Filings permits or requires its use, it must refer to a previous Tariff Filing, and the value should be that previous Tariff Filing's Filing Identifier.
Associated Record Identifier	associated_record_id	This is used to associate the specific content with a previously filed Tariff Record. For example, withdrawal Tariff Filings must identify the content being requested to be withdrawn. Note: This is used in conjunction with the Associated Filing Identifier (above) and the Associated Option Code (below).	Numeric (10)	Number between 1 and 2,147,483,648 used by the Tariff Submitter for the targeted Tariff Record Identifier	Conditional. Assigned by the Tariff Submitter. This is not applicable to all Type of Filings. Where it is used, it must refer to a Tariff Record Identifier in the associated filing.
Associated Option Code	associated_option_code	An identifier that designates the alternative associated record option of a previously filed Tariff Record. Note: This is used in conjunction with the Associated Filing Identifier and the Associated Record Identifier (above).	Character (1)	"A" thru "Z" used by the Tariff Submitter for the targeted Tariff Record Identifier	Conditional. Assigned by the Tariff Submitter. Where it is used, the value should be the applicable Option Code value for the Associated Record Identifier.

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Code Values Dictionaries and FERC Reference Tables

Certain data elements need to be populated with standardized responses (code values). Some of these data elements lend themselves to simple code value tables as provided below. For others, FERC will provide reference tables in a downloadable CSV file. After the following data element code values tables is an extensive explanation of the FERC reference tables.

Data Element: Attachment Waiver Requested

Code Value	Code Value Description
N	No, a waiver of the attachment is not being requested.
Y	Yes, a waiver of the attachment is being requested.

Data Element: Option Code

Code Value	Code Value Description
A	Default for the primary Tariff Record.
B, C, through Z	Subsequent codes used for alternatives and must be provided in alphabetical order.

Data Element: Record Change Type - (code values is case sensitive)

Code Value	Code Value Description
CANCEL	Used to cancel a Tariff Record Identifier.
CHANGE	Used to change an existing Tariff Record.
NEW	Used to create a new Tariff Record Identifier.
PRO FORMA	Used to submit a Tariff Record proposal without invoking statutory processing timelines.
WITHDRAW	Used to withdraw a pending or suspended Tariff Record.

Data Element: Suspension Motion

Code Value	Code Value Description
N	No, the filing should not become effective without a separate filing to request such.
Y	Yes, the Tariff Record(s) should go into effect at the end of the suspension period.

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FERC Reference Tables Provided in Downloadable Files

FERC will provide reference tables in downloadable files for the remaining data elements which have standardized code values, as well as to provide information to assist in the development of a Tariff Submitter's document management system and the creation of a Tariff Filing. The downloadable files will contain the appropriate codes to be used to populate the identified XML data elements (schema) and/or contain data that can be used to assist in error processing, provide FERC validation information and/or FERC business rules used to process the Tariff Filing.

This section is composed of three parts:

- (1) A list of the FERC File Downloads and their contents;
- (2) The Format of the FERC File Download Files; and
- (3) A description of the data elements contained in the FERC File Downloads

(1) List of FERC File Downloads

The following is a list of the downloadable files that FERC will post on its website, located at www.ferc.gov. The files listed will be available in CSV and may be provided in PDF formats.

- Type of Filing (filing_type) – code values and rules of use
- Attachment Reference Code (att_ref_code) – code values and rules of use
- Attachment Content Type Code (att_content_type_code) – code values
- Attachment Security Level (att_security_level) – code values
- Record Content Type Code (record_content_type_code) – code values
- Validation error codes provided by FERC.

(2) Format of the FERC File Downloads

The downloadable files posted on the FERC website will be formatted in CSV. The first row of the file will be the title of each of the columns and will determine the order in which the corresponding data is to appear in all subsequent rows. The following are the CSV file format specifications:

- Rows are separated by a carriage return/line feed (CRLF).
- Fields are separated by commas.
- When a field contains a comma, the field will be enclosed by double-quotes.
- When numeric data contains decimal precision, the decimal point will be included within the field.
- When a field contains no data, the empty field will contain two delimiters next to each other. Note that there will be no blank spaces between the delimiters.

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(3) Description of the Data Elements contained in the FERC File Downloads

FERC's Tariff Filing requirements are the function of many statutory, regulatory and business processes. A Tariff Filing must satisfy many rules simply to be considered a filing acceptable for processing by the FERC. How FERC maintains the contents of Tariff Filings is a function of these statutory, regulatory and business rules, plus its own findings with regard to the merits of the Tariff Submitter's proposal(s). FERC has created software for internal purposes of automating the Tariff Filing review process and much of the eTariff maintenance process. It is in the interest of the FERC that Tariff Submitters create electronic Tariff Filings that are compatible with FERC's automated Tariff Filing and eTariff maintenance processes. For that reason, FERC provides the public information on additional data elements that it uses as part of its processes. This information may be used by Tariff Submitter's document management system to add functionality to the processes and to improve accuracy of the Tariff Filings. FERC will not review or certify any Tariff Submitter's document management system.

Following is a description of each of the downloadable files and the data contained in such files (both eTariff XML data elements and non-eTariff data elements used by FERC). The names of the columns that will be contained in the downloadable files are reflected below and are either shown in **bold text** (XML schema data elements) or in *italics* (non-XML schema data elements).

- **Type of Filing** (*filing_type*) - This file contains thirteen columns:
 1. **filing_type** – The values are used to populate the *filing_type* XML data element for the subject Tariff Filing. The statutes, regulations and business rules provide for many different filing types. Every Type of Filing has a unique code that is randomly generated by FERC. It is used to direct the software to a set of data elements that describe that filing type.
 2. *description* – Description of the *filing_type*. In this column FERC will provide its description for each Type of Filing code.
 3. *prog_code*: The “program code” refers to the different FERC Tariff Programs. As of January 2008, FERC has divided the various Type of Filings into five programs which are reflected by the six values below. FERC will allow the Tariff Submitter to determine which Type of Filing codes are relevant based on its FERC Tariff Programs. Within the five programs are dozens of different Type of Filings. The values in this column are defined below:
 - E = Federal Power Act Electric (Traditional Cost of Service and Market Based Rates) Public Utilities
 - F = Power Administrations
 - G = NGA Gas Pipelines
 - K = NGPA 311 Gas Pipelines
 - M = Federal Power Act Electric (Market Based Rate) Public Utilities
 - O = Oil Pipelines

FERC assigns one of the above program codes to a Tariff Submitter at the time the Tariff Submitter registers with FERC as part of the company registration

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process. The Tariff Submitter can only make Tariff Filings with one of the Type of Filing codes that are under the same program code as the Tariff Submitter.

Note: The program code of “M” is a subset of the “E” program code unique for FPA Tariff Submitters that only sell power at Market Based Rates. Tariff Submitters with “E” and “M” program codes will need to change their program code through the FERC company registration process if it requires access to Type of Filing codes not available in its program.

4. *new_type* – This column will indicate either yes (Y) or no (N). This reflects a type of Baseline category Type of Filing that requires both the creation of a new Company Identifier and a new Tariff Identifier. A more detailed explanation of the broad category of Baseline is provided below.
5. *refiled_type* – This column will indicate either yes (Y) or no (N). This reflects a type of Baseline category Type of Filing wherein the Tariff Submitter already has a pre-existing database or collection of paper tariffs, rate schedules, or service agreements and is requesting a new Tariff Identifier. A more detailed explanation of the broad category of Baseline is provided below.
6. *compliance_type* – This column will indicate either yes (Y) or no (N). This reflects a Type of Filing more fully explained below for the broad category of Compliance type.
7. *amendment_type* – This column will indicate either yes (Y) or no (N). This reflects a Type of Filing more fully explained below for the broad category of Amendment type.
8. *motion_type* – This column will indicate either yes (Y) or no (N). This reflects a Type of Filing more fully explained below for the broad category of Motion type.
9. *withdraw_type* – This column will indicate either yes (Y) or no (N). This reflects a Type of Filing more fully explained below for the broad category of Withdraw type.
10. *report_type* – This column will indicate either yes (Y) or no (N). This reflects a Type of Filing more fully explained below for the broad category of Report type.
11. *cancellation_type* – This column will indicate either yes (Y) or no (N). This reflects a Type of Filing more fully explained below for the broad category of Cancellation type.
12. *suspend_motion_response* – This column will indicate either yes (Y) or no (N). FERC may suspend certain Type of Filings. For some programs, the Tariff Submitter is required to inform FERC whether or not it is submitting a motion to place suspended Tariff Records into effect at the end of the suspension period. The download file will indicate the Type of Filings requiring such a data element be populated by the Tariff Submitter.

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13. *status_change_timeout* – Many Type of Filings must be acted upon by FERC by a certain number of days from the date of the Tariff Filing. This data element shows the number of days from the date of the filing before the FERC internal system will automatically change the status in the absence of a FERC order.

Explanation of Type of Filing Categories:

Different Type of Filings have different business processes as required by statute, regulation or business practice. FERC breaks down the dozens of different Type of Filings into eight broad categories that have similar business processes. The eight broad categories are explained below however, not all of them have individual columns in the download file.

The eight broad categories of Type of Filings are defined by FERC as:

- **Baseline** - This category is used for a Type of Filing that requires a new Tariff Identifier. Every Tariff Submitter establishing a new Tariff Identifier must start with a Baseline filing. However, the automated processing is different depending on whether the requested action is "New" or "Refiled" as more fully explained in the description above for the columns "*new_type*" and "*refiled_type*":
- **Normal** - This category is used for a Type of Filing wherein the Tariff Submitter is the proponent of the change(s) in a tariff, rate schedule, or service agreement. This business process rule will be the most commonly used by Tariff Submitters. FERC has rules for some programs, such as when a Type of Filing is appropriate relative to various indices, such as the status of a Tariff Filing or Tariff Identifier. Statutory, regulatory and business rules apply to the status of a proposed change(s) in a tariff, rate schedule, or service agreement. Many of these rules are automated to change the status conditions in the appropriate circumstances. A Type of Filing is a "normal" type if the data in the columns on the download file for all category types (*motion_type*, *report_type*, *amendment_type*, etc.) are set to "N".
- **Compliance** - This category is used for a Type of Filing wherein the Tariff Submitter proposes to comply with a FERC order. There is no automated rule to change the status of the Tariff Filing. These status changes will require FERC action.
- **Amendment** - This category is used for Type of Filings wherein the Tariff Submitter proposes to change a pending Tariff Filing prior to FERC or business process rule action on a Normal or Compliance Type of Filing. A Tariff Submitter cannot amend a filing that FERC has acted upon either by order or by rule of law. Amendment Type of Filings modify the timing of automated action on the associated Normal or Amendment Type of Filing. An Amendment subordinates the associated Type of Filing to the Amendment Type of Filing. Amendments can be infinitely associated with each other with the same result of modifying the timing of automated action on the

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associated Normal Type of Filing and subordinates it to the Amendment Type of Filing.

- **Motion** - This category of Type of Filing can only be associated with Tariff Records whose status condition in the FERC eTariff database is “suspended”. The only action that a filing in this category can do is to change the Proposed Effective Date of the Tariff Record that is “suspended”. Any change in the tariff, rate schedule, or service agreement is ignored. If a Tariff Submitter wishes to change both the status of suspended Tariff Record and tariff, rate schedule, or service agreement, it must file a “Compliance” Type of Filing.
- **Withdraw** - This category of Type of Filing can only be associated with Tariff Records that are (depending on the program) in the FERC eTariff database in a “pending”, “conditional” or “suspended” status condition. Any change in the tariff, rate schedule, or service agreement is ignored. This business process rule may (depending on the program) automatically withdraw the targeted Tariff Record and change the formerly “superseded” Tariff Records to “effective.” Therefore, no additional Tariff Filing or Tariff Records are required to reinstate the superseded Tariff Record.

Note: A Withdraw Type of Filing may only be for a specific Tariff Record, or for all Tariff Records, in the associated filing. If the Tariff Submitter desires to withdraw a complete filing, it must target every Tariff Record in the associated filing.

- **Report** - This category of Type of Filing contains no Tariff Record information. It can only be used to supplement the record of the proceeding. Basically, the Report Type of Filing is meant to provide Tariff Submitters a means to make complex filings with FERC in an established proceeding as an alternative to FERC’s eFiling website portal for non-Tariff Filings.
 - **Cancellation** - This category of Type of Filing is used by the Tariff Submitter to terminate a Tariff Record. Once a Tariff Record is cancelled, only Compliance Type of Filings with a Proposed Effective Date before the effective date of the cancelled Tariff Record may be filed using the cancelled Record Identifier.
- **Attachment Reference Code** (att_ref_code) - This file contains seven columns:
 1. **filing_type** – This column relates the Type of Filing with the available selection of attachments.
 2. **att_ref_code** – This column is used to populate the att_ref_code XML data element field for each attachment.
 3. **att_desc** – This column is used to populate the att_desc XML data element field for each attachment.

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4. *citations* – This column provides the corresponding Citation to FERC regulation. This is simply a text field that provides the reader with additional information as to the source of the requirement.
 5. *is_required* – This column will indicate either yes (Y) or no (N). Certain documents are required by either regulation or business rule for the Tariff Filing to be considered complete enough for the SOC to accept for filing. For each Type of Filing code, the attachments expected with each filing are identified, and for each attachment the coding as to whether the attachment is required by the SOC as a minimal condition is provided.
 6. *can_waive* - This column will indicate either yes (Y) or no (N). Some attachments may be required, but FERC may permit the Tariff Submitter to request that the requirement be waived. FERC will post whether a required attachment may be waived.
 7. *req_access_lvl* – This column indicates the required security level on a file as indicated in the att_security_level download file. A blank indicates no required security level. The values are defined below:
 P = Public
 M = Privileged
 X = Critical Energy Infrastructure Information
- **Attachment Content Type Code** (att_content_type_code) - This file contains two columns:
 1. **att_content_type_code** - The values are used to populate the att_content_type_code XML data element for each attachment.
 2. *description* – The description of the electronic format represented by the code.
 - **Attachment Security Level** (att_security_level) - This file contains two columns:
 1. **att_security_level** – The values are used to populate the att_security_level field for each attachment.
 2. *description* - Description of the FERC security level associated with the att_security_level. Note that every attached document must have a populated att_security_level. FERC will not presume any default document security level.
 - **Record Content Type Code** (record_content_type_code) - This file contains two columns:
 1. **record_content_type_code** – The values are used to populate the record_content_type_code field for each record.
 2. *description* - Describes the record_content_type_code.

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- **Validation error codes** - This file contains two columns:
 1. *error_code* – The values for the identified error.
 2. *description* - Describes the error.

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Technical Specifications

Electronic Delivery Specifications

- **High-level Summary**

The following section defines the technical details and processes for computer-to-computer exchange of an XML file between a Tariff Submitter and FERC for electronic-Tariff Filings. It also defines eFiling authentication, eTariff portal security, and information on error / messages, security and maintenance. It does not provide information related to developing a Tariff Submitter's document management system as FERC is not providing a system to manage the Tariff Submitter's tariffs, rate schedules, or service agreements. The Tariff Submitter can either purchase a third party software system, or design and develop its own system (manual or automated) to maintain its tariffs, rate schedules, or service agreements. The Tariff Submitter will provide an XML formatted eTariff filing in accordance with the eTariff standards and other FERC requirements.

The Tariff Submitter will not have direct access to the FERC eTariff database to add, change or delete records. The Tariff Submitter will only be able to maintain its data in the FERC eTariff database via data sent through the eTariff filing process.

The following process describes the electronic Tariff Filings that **must** be filed through the FERC's eFiling web page located at www.ferc.gov.

- **Format of Upload Data**

The eFiling portal for eTariff filing packages assumes the Tariff Submitter has already produced an XML file that contains both data tags and embedded data per the business specifications provided and has been packaged as a zip file. There are no restrictions on the file name other than "normal" file naming conventions (i.e., a file name should contain no periods except the period preceding the file extension and no backslashes), the total character length must be 64 characters or less, and must have a ".ZIP" extension.

- **Login/authentication Requirements**

eRegistration:

In order to submit a Tariff Filing through the eTariff portal, the User must be eRegistered with FERC. The eRegistration process will allow the User to login to FERC's eFiling portal. The instructions on how a User may become eRegistered are located at www.ferc.gov. **eFiling Requirements:**

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The FERC's eFiling *Reference Guide* located at www.ferc.gov provides a step-by-step set of instructions and expected results for the eFiling process.

Company Registration Requirements:

To log into FERC's eTariff portal, the User will be required to have a Company Login number. This number is unique for each company filing tariffs, rate schedules, or service agreements with FERC. All Users will enter the same number for a given company. This number is company proprietary and should be treated as such. Instructions on how to obtain a Company Login number are located at www.ferc.gov. Note: this number should not be confused with the data element Company Identifier contained in the data dictionary.

- **Minimum Technical Capabilities of Browser Clients**

FERC's eFiling portal is compatible with most common internet browsers, but is optimized for use with Microsoft® Internet Explorer 6.0.

- **Error Codes and Handling**

Error codes that can occur during the upload of the eTariff package on the FERC eFiling portal will be provided as described in the eFiling documentation, located at www.ferc.gov.

The e-mail that results from the eTariff verification process will use specific error codes/descriptions. The error codes provided within the e-mail can be decoded with the FERC-published code table located at www.ferc.gov. This table can be downloaded in CSV format and may be available in PDF format.

As of January 2008, FERC eTariff verification process has not been written. Examples of some validation tests that may be included are:

- The Company Login number entered by the User is not an eTariff registered company;
- Missing required attachments;
- Unacceptable file types;
- Binary data files that are larger than FERC's eFiling electronic document size limit;
- Missing required data, such as Tariff Identifier and Filing Identifier;
- Conflicting and/or inconsistent data, such as Tariff Identifier and Filing Identifier; and,
- Missing/invalid Tariff Record data as determined by the Type of Filing.

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- **Security Specifications**

Tariff Submitters are responsible for security of the Company Login number and all data contained in their filing that resides on their internal systems.

Electronic transfer of the ZIP file is via the FERC eFiling portal using secure login (from eRegistration) and HTTPS for User interaction, and data transfer using a web browser. Refer to FERC eFiling specifications for minimal requirements of browsers using FERC web pages located at www.ferc.gov.

Data security at FERC is the responsibility of FERC.

- **Testing Guidelines**

FERC will provide a facility/function that will receive an eTariff XML filing package and verify it can be opened and parsed. This facility will be available for use at any time. It will not validate data content or other FERC business processing. Information on how to access and use this testing facility will be made available.

Other testing of further system functions may be provided during the transition period when eTariff is being developed and finalized inside FERC, e.g., the type of testing that was allowed during the eTariff Field Software prototype effort. This additional testing capability would only be available for a specific, pre-defined, amount of time during FERC system development.

- **Maintenance**

The eTariff XML schema and associated code definition and downloadable CSV files will be maintained on the FERC website. Significant changes to any of these items will follow normal FERC notice/comment process. This process will also indicate the effective date of the change, and whether there will be a transition period.

Revisions to the eTariff XML schema code definition files will be posted in downloadable XSD and PDF formats located at www.ferc.gov. In the event of a discrepancy between the PDF and XSD files, the XSD file shall take precedence.

Revised code definition files will be posted in downloadable CSV file and may be available in a PDF file on FERC's website located at www.ferc.gov.

FERC will not certify or will not support software that Tariff Submitters may develop or purchase. Owners of these software packages are responsible for their maintenance and ensuring that any required eTariff XML schema and/or code revisions posted by FERC are properly recognized by such software.

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XML Schema Version 1

Set forth below is Version 1 of the XML Schema that must be used to submit a Tariff Filing through FERC's eFiling / eTariff Portal.

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema id="ferc_tariff_filing" targetNamespace="http://ferc.gov/etariff.xsd"
elementFormDefault="qualified" xmlns="http://ferc.gov/etariff.xsd"
xmlns:xs="http://www.w3.org/2001/XMLSchema" >
  <xs:element name="document">
    <xs:complexType>
      <xs:choice minOccurs="1" maxOccurs="1">
        <xs:element name="ferc_filing_data" minOccurs="1" maxOccurs="unbounded">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="schema_version" type="xs:string" nillable="true"/>
              <xs:element name="company_id" type="xs:string" nillable="true"/>
              <xs:element name="tariff_id" type="xs:integer" nillable="true"/>
              <xs:element name="tariff_title" type="xs:string" nillable="true"/>
              <xs:element name="filing_id" type="xs:integer" nillable="true"/>
              <xs:element name="filing_title" type="xs:string" nillable="true"/>
              <xs:element name="filing_type" type="xs:integer" nillable="true"/>
              <xs:element name="associated_filing_id" type="xs:integer" nillable="true"/>
              <xs:element name="validation_email" type="xs:string" nillable="true"/>
              <xs:element name="pay_confirm_code" type="xs:string" nillable="true"/>
              <xs:element name="suspend_motion" type="xs:string" nillable="true"/>
              <xs:element name="attachment_data" minOccurs="1"
maxOccurs="unbounded">
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="att_ref_code" type="xs:integer" nillable="true"/>
                    <xs:element name="att_desc" type="xs:string" nillable="true"/>
                    <xs:element name="att_waiver_request" type="xs:string" nillable="true"/>
                    <xs:element name="att_binary_data" type="xs:base64Binary" nillable="true"
/>
                    <xs:element name="att_filename" type="xs:string" nillable="true"/>
                    <xs:element name="att_content_type_code" type="xs:integer"
nillable="true"/>
                    <xs:element name="att_security_level" type="xs:string" nillable="true"/>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
            <xs:element name="record_data" minOccurs="0" maxOccurs="unbounded">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="record_id" type="xs:integer" nillable="true"/>
                  <xs:element name="option_code" type="xs:string" nillable="true"/>
                  <xs:element name="record_title" type="xs:string" nillable="true"/>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:element>
      </xs:choice>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

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```

    <xs:element name="record_content_desc" type="xs:string" nillable="true"/>
    <xs:element name="record_version_num" type="xs:string" nillable="true"/>
    <xs:element      name="record_narrative_name"      type="xs:string"
nillable="true"/>
    <xs:element name="collation_value" type="xs:integer" nillable="true"/>
    <xs:element name="record_parent_id" type="xs:integer" nillable="true"/>
    <xs:element      name="proposed_effective_date"      type="xs:date"
nillable="true"/>
    <xs:element name="priority_order" type="xs:integer" nillable="true"/>
    <xs:element      name="record_content_type_code"      type="xs:integer"
nillable="true"/>
    <xs:element      name="record_binary_data"      type="xs:base64Binary"
nillable="true"/>
    <xs:element name="record_plain_text" type="xs:string" nillable="true"/>
    <xs:element name="record_change_type" type="xs:string" nillable="true"/>
    <xs:element name="associated_filing_id" type="xs:integer" nillable="true" />
    <xs:element name="associated_record_id" type="xs:integer" nillable="true"
/>
    <xs:element      name="associated_option_code"      type="xs:string"
nillable="true" />
  </xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:choice>
</xs:complexType>
</xs:element>
</xs:schema>

```

Note: The XML Schema definition language (XSD) defines four attributes for use in XML instance documents, indicated by the <http://www.w3.org/2001/XMLSchema-instance> namespace. Information regarding these four attributes is located at <http://msdn2.microsoft.com/en-us/library/ms256207.aspx> and <http://www.w3.org/TR/xmlschema-1/>. The eTariff specifications contained in this document utilize the `nil="true"` attribute to indicate an empty (null) numeric element. It has been determined that some XML software tools do not support the `nil="true"` attribute. The software developer should thoroughly investigate the capabilities of their development tool sets to ensure that they support the `nil="true"` attribute.

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Use Case Descriptions

Following is a table reflecting the various types of filings and the corresponding Case Number as identified by the respective industries. The use cases in **bold** text indicate that following this table, an example of the use case is provided. These use cases are examples.

A few things to consider in the use of these examples:

- The codes utilized are as of January 2008 and are subject to change.
- Column headings in the sections of Tariff Records correspond to the data element business names and have been abbreviated due to space limitations herein.
- The columns in the tables below are not in the same order as reflected in the Data Dictionary Data Tables or the XML Schema.

“Note 1” (included in the following examples): Indicates that Binary Data should be provided but has not been included herein. For an example of what Base64 encoded binary data would look like, please see the Example XML eTariff Filing Package provided after the Use Case Examples.

Case Number	Gas Industry	Electric Industry *	Oil Industry
1A	Baseline Section(s)	Baseline Section(s)	
1B	Baseline Sheet(s)	Baseline Sheet(s)	
1C	Baseline Document(s)	Baseline Document(s)	Baseline Document(s)
2A	Baseline Section(s)	Initial Section(s)	
2B	Baseline Sheet(s)	Initial Sheet(s)	
2C	Baseline Document(s)	Initial Document(s)	Initial Document(s) New Service or Route
3A	Initial Section(s)	Amendment Section(s)	
3B	Initial Sheet(s)	Amendment Sheet(s)	
3C	Initial Document(s)	Amendment Document(s)	Supplement Document(s) Embargos Rate Changes Wording Changes Adoption Notice Document(s)
4A	Amendment Section(s)	Errata Section(s)	
4B	Amendment Sheet(s)	Errata Sheet(s)	
4C	Amendment Document(s)	Errata Document(s)	
5A	Compliance Section(s)	Compliance Section(s)	
5B	Compliance Sheet(s)	Compliance Sheet(s)	
5C	Compliance Document(s)	Compliance Document(s)	Compliance Document(s)
6A	Withdrawal Section(s)	Withdrawal Section(s)	
6B	Withdrawal Sheet(s)	Withdrawal Sheet(s)	
6C	Withdrawal Document(s)	Withdrawal Document(s)	Withdrawal Document(s)
7A	Cancellation Section(s)	Cancellation Section(s)	
7B	Cancellation Sheet(s)	Cancellation Sheet(s)	
7C	Cancellation Document(s)	Cancellation Document(s)	Cancellation Document(s)
8A	Motion Filing		

* The Use Cases enumerated in this column are applicable to electric utilities, RTOs and ISOs.

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Use Case: 1A
Company Identifier: 013 **Industry:** Electric Industry
Tariff Identifier: 1 **Approach:** Section
Filing Identifier: 1 **Filing:** Baseline
Description: FILING OF BASELINE TARIFF USING FERC PRO FORMA OATT FROM ORDER 890.

Filing Data

Company Identifier	013	Type of Filing Code	8000	Payment Confirmation Code	
Tariff Identifier	1	Tariff Title	Pro forma OATT		
Filing Identifier	1	Filing Title Description	Initial Baseline Tariff Filing of OATT	Suspension Motion	
Associated Filing Identifier		Validation e-mail	etarifferrors@electric_company.com	Schema Version	1

Attachments

Attachment Reference Code	Attachment Waiver Request	Attachment Document File Name	Attachment Description	Attachment Security Level	Attachment Binary	Attachment Content Type Code
64100	N	Baseline Transmittal letter.rtf	Transmittal Letter	P	See Note 1	4
66300	N	USE CASE – OATT TARIFF.rtf	OATT Tariff	P	See Note 1	4

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Tariff Records

Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
500	A	1001	PRO FORMA OPEN ACCESS TRANSMISSION TARIFF	Cover Sheet	0.0.0	Pro Forma Open Access Transmission Tariff	0	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
1000	A	1002	Table of Contents	Table of Contents	0.0.0	Table of Contents	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
1500	A	1003	Part I	Common Service Provisions	0.0.0	Common Service Provisions	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
2000	A	1004	Definitions	1 Definitions	0.0.0	Definitions	1003	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
2500	A	1005	Initial Allocation and Renewal Procedures	2 Initial Allocation and Renewal Procedures	0.0.0	Initial Allocation and Renewal Procedures	1003	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
3000	A	1006	Ancillary Services	3 Ancillary Services	0.0.0	Ancillary Services	1003	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
3500	A	1007	Open Access Same Time Information System (OASIS)	4 OASIS	0.0.0	OASIS	1003	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
4000	A	1008	Local Furnishing Bonds	5 Local Furnishing Bonds	0.0.0	Local Furnishing Bonds	1003	2008-01-01	500	See Note 1	1004	Plain Text	NEW			

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Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
4500	A	1009	Reciprocity	6 Reciprocity	0.0.0	Reciprocity	1003	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
5000	A	1010	Billing and Payment	7 Billing and Payment	0.0.0	Billing and Payment	1003	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
5500	A	1011	Accounting for the Transmission Provider's Use of the Tariff	8 Accounting for the Transmission Provider's Use of the Tariff	0.0.0	Accounting for the Transmission Provider's Use of the Tariff	1003	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
6000	A	1012	Regulatory Filings	9 Regulatory Filings	0.0.0	Regulatory Filings	1003	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
6500	A	1013	Force Majeure and Indemnification	10 Force Majeure and Indemnification	0.0.0	Force Majeure and Indemnification	1003	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
7000	A	1014	Creditworthiness	11 Creditworthiness	0.0.0	Creditworthiness	1003	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
7500	A	1015	Dispute Resolution Procedures	12 Dispute Resolution Procedures	0.0.0	Dispute Resolution	1003	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
8000	A	1016	Part II	Point-to-Point Transmission Service	0.0.0	Point-to-Point Transmission Service	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
8500	A	1017	Nature of Firm Point-to-Point Transmission Service	13 Nature of Firm Point-to-Point Transmission Service	0.0.0	Nature of Firm Point-to-Point Transmission Service	1016	2008-01-01	500	See Note 1	1004	Plain Text	NEW			

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Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
9000	A	1018	Nature of Non-Firm Point-to-Point Transmission Service	14 Nature of Non-Firm Point-to-Point Transmission Service	0.0.0	Nature of Non-Firm Point-to-Point Transmission Service	1016	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
9500	A	1019	Service Availability	15 Service Availability	0.0.0	Service Availability	1016	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
10000	A	1020	Transmission Customer Responsibilities	16 Transmission Customer Responsibilities	0.0.0	Transmission Customer Responsibilities	1016	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
10500	A	1021	Procedures for Arranging Firm Point-to-Point Transmission Service	17 Procedures for Arranging Firm Point-to-Point Transmission Service	0.0.0	Procedures for Arranging Firm Point-to-Point Transmission Service	1016	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
11000	A	1022	Procedures for Arranging Non-Firm Point-to-Point Transmission Service	18 Procedures for Arranging Non-Firm Point-to-Point Transmission Service	0.0.0	Procedures for Arranging Non-Firm Point-to-Point Transmission Service	1016	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
11500	A	1023	Additional Study Procedures for Firm Point-to-Point Transmission Service Requests	19 Additional Study Procedures for Firm Point-to-Point Transmission Service Requests	0.0.0	Additional Study Procedures for Firm Point-to-Point Transmission Service Requests	1016	2008-01-01	500	See Note 1	1004	Plain Text	NEW			

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Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
12000	A	1024	Procedure s if the Transmiss ion Provider is Unable to Complete New Transmiss ion Facilities for Firm Point-to-Point Transmiss ion Service	20 Procedures if the Transmissio n Provider is Unable to Complete New Transmissio n Facilities for Firm Point-to-Point Transmissio n Service	0.0.0	Procedure s if the Transmissi on Provider is Unable to Complete New Transmissi on Facilities for Firm Point-to-Point Transmissi on Service	1016	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
12500	A	1025	Provisions Relating to Transmiss ion Constructi on and Services on the Systems of Other Utilities	21 Provisions Relating to Transmissio n Construction and Services on the Systems of Other Utilities	0.0.0	Provisions Relating to Transmissi on Constructi on and Services on the Systems of Other Utilities	1016	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
13000	A	1026	Changes in Service Specificati ons	22 Changes in Service Specificatio ns	0.0.0	Changes in Service Specificati ons	1016	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
13500	A	1027	Sale or Assignme nt of Transmiss ion Service	23 Sale or Assignment of Transmissio n Service	0.0.0	Sale or Assignme nt of Transmissi on Service	1016	2008-01-01	500	See Note 1	1004	Plain Text	NEW			

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Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
14000	A	1028	Metering and Power Factor Correction at Receipt and Delivery Point(s)	24 Metering and Power Factor Correction at Receipt and Delivery Point(s)	0.0.0	Metering and Power Factor Correction at Receipt and Delivery Point(s)	1016	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
14500	A	1029	Compensation for Transmission Service	25 Compensation for Transmission Service	0.0.0	Compensation for Transmission Service	1016	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
15000	A	1030	Stranded Cost Recovery	26 Stranded Cost Recovery	0.0.0	Stranded Cost Recovery	1016	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
15500	A	1031	Compensation for New Facilities and Redispatch Costs	27 Compensation for New Facilities and Redispatch Costs	0.0.0	Compensation for New Facilities and Redispatch Costs	1016	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
16000	A	1032	Part III	Network Integration Transmission Service	0.0.0	Network Integration Transmission Service	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
16500	A	1033	Nature of Network Integration Transmission Service	28 Nature of Network Integration Transmission Service	0.0.0	Nature of Network Integration Transmission Service	1032	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
17000	A	1034	Initiating Service	29 Initiating Service	0.0.0	Initiating Service	1032	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
17500	A	1035	Network Resources	30 Network Resources	0.0.0	Network Resources	1032	2008-01-01	500	See Note 1	1004	Plain Text	NEW			

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Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
18000	A	1036	Designation of Network Load	31 Designation of Network Load	0.0.0	Designation of Network Load	1032	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
18500	A	1037	Additional Study Procedures for Network Integration Transmission Service Requests	32 Additional Study Procedures for Network Integration Transmission Service Requests	0.0.0	Additional Study Procedures for Network Integration Transmission Service Requests	1032	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
19000	A	1038	Load Shedding and Curtailments	33 Load Shedding and Curtailments	0.0.0	Load Shedding and Curtailments	1032	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
19500	A	1039	Rates and Charges	34 Rates and Charges	0.0.0	Rates and Charges	1032	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
20000	A	1040	Operating Arrangements	35 Operating Arrangements	0.0.0	Operating Arrangements	1032	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
21000	A	1042	Schedule 1	Schedule 1	0.0.0	Scheduling, System Control and Dispatch Service	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
21500	A	1043	Schedule 2	Schedule 2	0.0.0	Reactive Supply and Voltage Control from Generation or Other Sources Service	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			

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Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
22000	A	1044	Schedule 3	Schedule 3	0.0.0	Regulation and Frequency Response Service	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
22500	A	1045	Schedule 4	Schedule 4	0.0.0	Energy Imbalance Service	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
23000	A	1046	Schedule 5	Schedule 5	0.0.0	Operating Reserve - Spinning Reserve Service	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
23500	A	1047	Schedule 6	Schedule 6	0.0.0	Operating Reserve - Supplemental Reserve Service	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
24000	A	1048	Schedule 7	Schedule 7	0.0.0	Long-Term Firm and Short-Term Firm Point-To-Point Transmission Service	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
24500	A	1049	Schedule 8	Schedule 8	0.0.0	Non-Firm Point-To-Point Transmission Service	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
25000	A	1050	Schedule 9	Schedule 9	0.0.0	Generator Imbalance Service	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			

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Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
26000	A	1052	Attachment A	Attachment A	0.0.0	Form Of Service Agreement For Firm Point-To-Point Transmission Service	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
26500	A	1053	Attachment B	Attachment B	0.0.0	Form Of Service Agreement For Non-Firm Point-To-Point Transmission Service	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
27000	A	1054	Attachment C	Attachment C	0.0.0	Methodology To Assess Available Transfer Capability	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
27500	A	1055	Attachment D	Attachment D	0.0.0	Methodology for Completing a System Impact Study	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
28000	A	1056	Attachment E	Attachment E	0.0.0	Index Of Point-To-Point Transmission Service Customers	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
28500	A	1057	Attachment F	Attachment F	0.0.0	Service Agreement For Network Integration Transmission Service	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			

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Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
29000	A	1058	Attachment G	Attachment G	0.0.0	Network Operating Agreement	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
29500	A	1059	Attachment H	Attachment H	0.0.0	Annual Transmission Revenue Requirement For Network Integration Transmission Service	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
30000	A	1060	Attachment I	Attachment I	0.0.0	Index Of Network Integration Transmission Service Customers	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
30500	A	1061	Attachment J	Attachment J	0.0.0	Procedures for Addressing Parallel Flows	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
31000	A	1062	Attachment K	Attachment K	0.0.0	Transmission Planning Process	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			
31500	A	1063	Attachment L	Attachment L	0.0.0	Creditworthiness Procedures	1001	2008-01-01	500	See Note 1	1004	Plain Text	NEW			

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Use Case: 2C
Company Identifier: 013 **Industry:** Electric Industry
Tariff Identifier: 1 **Approach:** Document
Filing Identifier: 2 **Filing:** Initial
Description: INITIAL FILING CREATING A NEW TARIFF RECORD USING THE ENTIRE DOCUMENT SUBMISSION APPROACH.

Filing Data

Company Identifier	013	Type of Filing Code	620	Payment Confirmation Code	
Tariff Identifier	1	Tariff Title:	Pro Forma OATT		
Filing Identifier	2	Filing Title Description	Filing of Service Agreement	Suspension Motion	
Associated Filing Identifier		Validation e-mail	etarifferrors@electric_company.com	Schema Version	1

Attachments

Attachment Reference Code	Attachment Waiver Request	Attachment Document File Name	Attachment Description	Attachment Security Level	Attachment Binary	Attachment Content Type Code
46000	N	transmittal for service agreement.rtf	Transmittal Letter	P	See Note 1	4
46400	N	Direct Assignment Charges for Network Service.pdf	Cost of Service, Total And As Allocated	P	See Note 1	3
46500	Y					
46600	Y					
46700	Y					
46800	Y					
46900	Y					
47000	Y					

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Attachment Reference Code	Attachment Waiver Request	Attachment Document File Name	Attachment Description	Attachment Security Level	Attachment Binary	Attachment Content Type Code
66100	N	Transmission Service Agreement.pdf	Tariff	P	See Note 1	3

Tariff Records

Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
28550	A	1064	NITS Service Agreement with Customer T	NITS Service Agreement with Customer	0.0.0	NITS Service Agreement with Customer	1057	2008-01-01	500	See Note 1	1003	Plain Text	NEW			

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Use Case: 5A
Company Identifier: 013 **Industry:** Electric Industry
Tariff Identifier: 1 **Approach:** Section
Filing Identifier: 3 **Filing:** Compliance
Description: COMPLIANCE FILING TO REPLACE A TARIFF RECORD.

Filing Data

Company Identifier	013	Type of Filing Code	4500	Payment Confirmation Code	
Tariff Identifier	1	Tariff Title Description	Pro Forma OATT		
Filing Identifier	3	Filing Title Description	Compliance Filing to Original Baseline Filing	Suspension Motion	
Associated Filing Identifier	1	Validation e-mail	etarifferrors@electric_company.com	Schema Version	1

Attachments

Attachment Reference Code	Attachment Waiver Request	Attachment Document File Name	Attachment Description	Attachment Security Level	Attachment Binary	Attachment Content Type Code
51200	N	Compliance Transmittal Letter.rtf	Transmittal Letter	P	See Note 1	4
51400	N	Marked Tariff Pages.rtf	Marked Tariff	P	See Note 1	4
65400	N	Clean Tariff Pages.rtf	Tariff	P	See Note 1	4

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Tariff Records

Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
29500	A	1059	Attachment H	Attachment H	1.0.0	Annual Transmission Revenue Requirement For Network Integration Transmission Service	1001	2008-01-01	501	See Note 1	1004	Plain Text	CHANGE	1	1059	A

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Use Case: 1B

Company Identifier: 069

Industry: Gas Industry

Tariff Identifier: 1

Approach: Sheet

Filing Identifier: 0108001

Filing: Baseline

Description: Baseline copy of an example tariff in the required electronic format to initially populate the FERC eTariff database. The new volume is the Fourth Revised Volume No 1 superseding the Third Revised Volume No 1. All tariff sheets have been revised to be Original Sheets.

Filing Data

Company Identifier	069	Type of Filing Code	7900	Payment Confirmation Code	
Tariff Identifier	1	Tariff Title:	Gas Transportation Tariff		
Filing Identifier	10108001	Filing Title Description	Baseline Filing	Suspension Motion	
Associated Filing Identifier		Validation e-mail	tariffs@gas_pipeline.com	Schema Version	1

Attachments

Attachment Reference Code	Attachment Waiver Request	Attachment Document File Name	Attachment Description	Attachment Security Level	Attachment Binary	Attachment Content Type Code
63800	N	Transmittal_letter.doc	Transmittal Letter	P	See Note 1	41
68600	N	Tariff.pdf	Tariff	P	See Note 1	3

Tariff Records

Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
0	A	500	Pipeline Company, L.L.C. Tariffs	Cover Page	0.0.0	Original Cover Page	0	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
1000	A	1000	FOURTH REVISED VOLUME NO. 1	Title Page	0.0.0	Original Title Page	500	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
2000	A	1001	Table of Contents	Sheet No. 1	0.0.0	Original Sheet No. 1	1000	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
3000	A	1002		Sheet No. 2	0.0.0	Original Sheet No. 2	1001	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
4000	A	1003	Preliminary Statement	Sheet No. 3	0.0.0	Original Sheet No. 3	1000	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
5000	A	1004	System Map	Sheet No. 4	0.0.0	Original Sheet No. 4	1000	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
6000	A	1005	Currently Effective Rates	Sheet No. 5	0.0.0	Original Sheet No. 5	1000	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
7000	A	1006	Reserved Sheets 6-9	Reserved Sheets 6-9	0.0.0	Original Reserved Sheets 6-9	1000	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
8000	A	1007	Rate Schedules	Sheet No. 10	0.0.0	Original Sheet No. 10	1000	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
9000	A	1008	Reserved Sheets 11-39	Reserved Sheets 11-39	0.0.0	Original Reserved Sheets 11-39	1000	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
10000	A	1009	Rate Schedule FTS - Firm	Sheet No. 40	0.0.0	Original Sheet No. 40	1007	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
11000	A	1010		Sheet No. 41	0.0.0	Original Sheet No. 41	1009	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
12000	A	1011		Sheet No. 42	0.0.0	Original Sheet No. 42	1009	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
13000	A	1012		Sheet No. 43	0.0.0	Original Sheet No. 43	1009	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
14000	A	1013		Sheet No. 44	0.0.0	Original Sheet No. 44	1009	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
15000	A	1014		Sheet No. 45	0.0.0	Original Sheet No. 45	1009	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
16000	A	1015		Sheet No. 46	0.0.0	Original Sheet No. 46	1009	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
17000	A	1016		Sheet No. 47	0.0.0	Original Sheet No. 47	1009	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
18000	A	1017		Sheet No. 48	0.0.0	Original Sheet No. 48	1009	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
19000	A	1018		Sheet No. 49	0.0.0	Original Sheet No. 49	1009	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
20000	A	1019	Rate Schedule ITS	Sheet No. 50	0.0.0	Original Sheet No. 50	1007	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
21000	A	1020		Sheet No. 51	0.0.0	Original Sheet No. 51	1019	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
22000	A	1021		Sheet No. 52	0.0.0	Original Sheet No. 52	1019	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
23000	A	1022		Sheet No. 53	0.0.0	Original Sheet No. 53	1019	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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24000	A	1023		Sheet No. 54	0.0.0	Original Sheet No. 54	1019	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
25000	A	1024		Sheet No. 55	0.0.0	Original Sheet No. 55	1019	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
26000	A	1025		Sheet No. 56	0.0.0	Original Sheet No. 56	1019	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
27000	A	1026		Sheet No. 57	0.0.0	Original Sheet No. 57	1019	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
28000	A	1027		Sheet No. 58	0.0.0	Original Sheet No. 58	1019	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
29000	A	1028	Rate Schedule FTS-2 - Firm	Sheet No. 59	0.0.0	Original Sheet No. 59	1007	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
30000	A	1029		Sheet No. 60	0.0.0	Original Sheet No. 60	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
31000	A	1030		Sheet No. 61	0.0.0	Original Sheet No. 61	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
32000	A	1031		Sheet No. 62	0.0.0	Original Sheet No. 62	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
33000	A	1032		Sheet No. 63	0.0.0	Original Sheet No. 63	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
34000	A	1033		Sheet No. 64	0.0.0	Original Sheet No. 64	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
35000	A	1034		Sheet No. 65	0.0.0	Original Sheet No. 65	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
36000	A	1035		Sheet No. 66	0.0.0	Original Sheet No. 66	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
37000	A	1036		Sheet No. 67	0.0.0	Original Sheet No. 67	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
38000	A	1037		Sheet No. 68	0.0.0	Original Sheet No. 68	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
39000	A	1038		Sheet No. 69	0.0.0	Original Sheet No. 69	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
40000	A	1039		Sheet No. 70	0.0.0	Original Sheet No. 70	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
41000	A	1040		Sheet No. 71	0.0.0	Original Sheet No. 71	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
42000	A	1041		Sheet No. 72	0.0.0	Original Sheet No. 72	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
43000	A	1042		Sheet No. 73	0.0.0	Original Sheet No. 73	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
44000	A	1043		Sheet No. 74	0.0.0	Original Sheet No. 74	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
45000	A	1044		Sheet No. 75	0.0.0	Original Sheet No. 75	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
46000	A	1045		Sheet No. 76	0.0.0	Original Sheet No. 76	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
47000	A	1046		Sheet No. 77	0.0.0	Original Sheet No. 77	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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48000	A	1047		Sheet No. 78	0.0.0	Original Sheet No. 78	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
49000	A	1048		Sheet No. 79	0.0.0	Original Sheet No. 79	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
50000	A	1049		Sheet No. 80	0.0.0	Original Sheet No. 80	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
51000	A	1050		Sheet No. 81	0.0.0	Original Sheet No. 81	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
52000	A	1051		Sheet No. 82	0.0.0	Original Sheet No. 82	1028	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
53000	A	1052	PAL Rate Schedule	Sheet No. 83	0.0.0	Original Sheet No. 83	1007	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
54000	A	1053		Sheet No. 84	0.0.0	Original Sheet No. 84	1052	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
55000	A	1054		Sheet No. 85	0.0.0	Original Sheet No. 85	1052	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
56000	A	1055		Sheet No. 86	0.0.0	Original Sheet No. 86	1052	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
57000	A	1056		Sheet No. 87	0.0.0	Original Sheet No. 87	1052	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
58000	A	1057		Sheet No. 88	0.0.0	Original Sheet No. 88	1052	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
59000	A	1058		Sheet No. 89	0.0.0	Original Sheet No. 89	1052	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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60000	A	1059	Reserved Sheets 90-98	Reserved Sheets 90-98	0.0.0	Original Reserved Sheets 90-98	1000	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
61000	A	1060	General Terms and Conditions	Sheet No. 99	0.0.0	Original Sheet No. 99	1000	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
62000	A	1061	1. Definitions	Sheet No. 100	0.0.0	Original Sheet No. 100	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
63000	A	1062		Sheet No. 101	0.0.0	Original Sheet No. 101	1061	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
64000	A	1063		Sheet No. 102	0.0.0	Original Sheet No. 102	1061	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
65000	A	1064		Sheet No. 103	0.0.0	Original Sheet No. 103	1061	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
66000	A	1065		Sheet No. 104	0.0.0	Original Sheet No. 104	1061	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
67000	A	1066		Sheet No. 105	0.0.0	Original Sheet No. 105	1061	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
68000	A	1067		Sheet No. 106	0.0.0	Original Sheet No. 106	1061	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
69000	A	1068	2. Assignment to Downstream Customers of Pipeline	Sheet No. 107	0.0.0	Original Sheet No. 107	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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70000	A	1069	3. Priority of Service	Sheet No. 108	0.0.0	Original Sheet No. 108	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
71000	A	1070		Sheet No. 109	0.0.0	Original Sheet No. 109	1069	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
72000	A	1071		Sheet No. 110	0.0.0	Original Sheet No. 110	1069	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
73000	A	1072		Sheet No. 111	0.0.0	Original Sheet No. 111	1069	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
74000	A	1073		Sheet No. 112	0.0.0	Original Sheet No. 112	1069	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
75000	A	1074		Sheet No. 113	0.0.0	Original Sheet No. 113	1069	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
76000	A	1075		Sheet No. 114	0.0.0	Original Sheet No. 114	1069	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
77000	A	1076		Sheet No. 115	0.0.0	Original Sheet No. 115	1069	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
78000	A	1077		Sheet No. 116	0.0.0	Original Sheet No. 116	1069	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
79000	A	1078		Sheet No. 117	0.0.0	Original Sheet No. 117	1069	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
80000	A	1079		Sheet No. 118	0.0.0	Original Sheet No. 118	1069	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
81000	A	1080		Sheet No. 119	0.0.0	Original Sheet No. 119	1069	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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82000	A	1081	4. Receipt	Sheet No. 120	0.0.0	Original Sheet No. 120	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
83000	A	1082		Sheet No. 121	0.0.0	Original Sheet No. 121	1081	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
84000	A	1083	5. Delivery of Gas for the Account of Shipper	Sheet No. 122	0.0.0	Original Sheet No. 122	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
85000	A	1084		Sheet No. 123	0.0.0	Original Sheet No. 123	1083	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
86000	A	1085	6. Nomination/Reporting and Balancing	Sheet No. 124	0.0.0	Original Sheet No. 124	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
87000	A	1086		Sheet No. 125	0.0.0	Original Sheet No. 125	1085	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
88000	A	1087		Sheet No. 126	0.0.0	Original Sheet No. 126	1085	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
89000	A	1088		Sheet No. 127	0.0.0	Original Sheet No. 127	1085	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
90000	A	1089		Sheet No. 128	0.0.0	Original Sheet No. 128	1085	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
91000	A	1090		Sheet No. 129	0.0.0	Original Sheet No. 129	1085	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
92000	A	1091		Sheet No. 130	0.0.0	Original Sheet No. 130	1085	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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93000	A	1092		Sheet No. 131	0.0.0	Original Sheet No. 131	1085	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
94000	A	1093		Sheet No. 132	0.0.0	Original Sheet No. 132	1085	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
95000	A	1094		Sheet No. 133	0.0.0	Original Sheet No. 133	1085	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
96000	A	1095	7. Pooling Point	Sheet No. 134	0.0.0	Original Sheet No. 134	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
97000	A	1096		Sheet No. 135	0.0.0	Original Sheet No. 135	1095	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
98000	A	1097	8. Determination of Daily Receipt	Sheet No. 136	0.0.0	Original Sheet No. 136	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
99000	A	1098		Sheet No. 137	0.0.0	Original Sheet No. 137	1097	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
100000	A	1099	9. Determination of Deliveries	Sheet No. 138	0.0.0	Original Sheet No. 138	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
101000	A	1100		Sheet No. 139	0.0.0	Original Sheet No. 139	1099	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
102000	A	1101	10. Operational Flow Orders	Sheet No. 140	0.0.0	Original Sheet No. 140	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
103000	A	1102		Sheet No. 141	0.0.0	Original Sheet No. 141	1101	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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104000	A	1103		Sheet No. 142	0.0.0	Original Sheet No. 142	1101	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
105000	A	1104		Sheet No. 143	0.0.0	Original Sheet No. 143	1101	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
106000	A	1105	11. Imbalances	Sheet No. 144	0.0.0	Original Sheet No. 144	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
107000	A	1106		Sheet No. 145	0.0.0	Original Sheet No. 145	1105	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
108000	A	1107		Sheet No. 146	0.0.0	Original Sheet No. 146	1105	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
109000	A	1108		Sheet No. 147	0.0.0	Original Sheet No. 147	1105	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
110000	A	1109		Sheet No. 148	0.0.0	Original Sheet No. 148	1105	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
111000	A	1110		Sheet No. 149	0.0.0	Original Sheet No. 149	1105	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
112000	A	1111		Sheet No. 150	0.0.0	Original Sheet No. 150	1105	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
113000	A	1112	12. Unauthorized Delivery of Gas	Sheet No. 151	0.0.0	Original Sheet No. 151	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
114000	A	1113		Sheet No. 152	0.0.0	Original Sheet No. 152	1112	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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115000	A	1114	13. Statement s, Billing, Payment, and Discountin g Policy	Sheet No. 153	0.0.0	Original Sheet No. 153	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
116000	A	1115		Sheet No. 154	0.0.0	Original Sheet No. 154	1114	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
117000	A	1116		Sheet No. 155	0.0.0	Original Sheet No. 155	1114	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
118000	A	1117		Sheet No. 156	0.0.0	Original Sheet No. 156	1114	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
119000	A	1118	14. Evaluation of Credit	Sheet No. 157	0.0.0	Original Sheet No. 157	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
120000	A	1119		Sheet No. 158	0.0.0	Original Sheet No. 158	1118	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
121000	A	1120		Sheet No. 159	0.0.0	Original Sheet No. 159	1118	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
122000	A	1121	15. Informatio n and Communi cations Regarding Services	Sheet No. 160	0.0.0	Original Sheet No. 160	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
123000	A	1122		Sheet No. 161	0.0.0	Original Sheet No. 161	1121	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
124000	A	1123		Sheet No. 162	0.0.0	Original Sheet No. 162	1121	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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125000	A	1124		Sheet No. 163	0.0.0	Original Sheet No. 163	1121	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
126000	A	1125		Sheet No. 164	0.0.0	Original Sheet No. 164	1121	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
127000	A	1126	16. Capacity Release by Firm Shippers	Sheet No. 165	0.0.0	Original Sheet No. 165	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
128000	A	1127		Sheet No. 166	0.0.0	Original Sheet No. 166	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
129000	A	1128		Sheet No. 167	0.0.0	Original Sheet No. 167	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
130000	A	1129		Sheet No. 168	0.0.0	Original Sheet No. 168	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
131000	A	1130		Sheet No. 169	0.0.0	Original Sheet No. 169	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
132000	A	1131		Sheet No. 170	0.0.0	Original Sheet No. 170	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
133000	A	1132		Sheet No. 171	0.0.0	Original Sheet No. 171	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
134000	A	1133		Sheet No. 172	0.0.0	Original Sheet No. 172	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
135000	A	1134		Sheet No. 173	0.0.0	Original Sheet No. 173	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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136000	A	1135		Sheet No. 174	0.0.0	Original Sheet No. 174	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
137000	A	1136		Sheet No. 175	0.0.0	Original Sheet No. 175	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
138000	A	1137		Sheet No. 176	0.0.0	Original Sheet No. 176	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
139000	A	1138		Sheet No. 177	0.0.0	Original Sheet No. 177	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
140000	A	1139		Sheet No. 178	0.0.0	Original Sheet No. 178	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
141000	A	1140		Sheet No. 179	0.0.0	Original Sheet No. 179	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
142000	A	1141		Sheet No. 180	0.0.0	Original Sheet No. 180	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
143000	A	1142		Sheet No. 181	0.0.0	Original Sheet No. 181	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
144000	A	1143		Sheet No. 182	0.0.0	Original Sheet No. 182	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
145000	A	1144		Sheet No. 183	0.0.0	Original Sheet No. 183	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
146000	A	1145		Sheet No. 184	0.0.0	Original Sheet No. 184	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
147000	A	1146		Sheet No. 185	0.0.0	Original Sheet No. 185	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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148000	A	1147		Sheet No. 186	0.0.0	Original Sheet No. 186	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
149000	A	1148		Sheet No. 187	0.0.0	Original Sheet No. 187	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
150000	A	1149		Sheet No. 188	0.0.0	Original Sheet No. 188	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
151000	A	1150		Sheet No. 189	0.0.0	Original Sheet No. 189	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
152000	A	1151		Sheet No. 190	0.0.0	Original Sheet No. 190	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
153000	A	1152		Sheet No. 191	0.0.0	Original Sheet No. 191	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
154000	A	1153		Sheet No. 192	0.0.0	Original Sheet No. 192	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
155000	A	1154		Sheet No. 193	0.0.0	Original Sheet No. 193	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
156000	A	1155		Sheet No. 194	0.0.0	Original Sheet No. 194	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
157000	A	1156		Sheet No. 195	0.0.0	Original Sheet No. 195	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
158000	A	1157		Sheet No. 196	0.0.0	Original Sheet No. 196	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
159000	A	1158		Sheet No. 197	0.0.0	Original Sheet No. 197	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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160000	A	1159		Sheet No. 198	0.0.0	Original Sheet No. 198	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
161000	A	1160		Sheet No. 199	0.0.0	Original Sheet No. 199	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
162000	A	1161		Sheet No. 200	0.0.0	Original Sheet No. 200	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
163000	A	1162		Sheet No. 201	0.0.0	Original Sheet No. 201	1126	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
164000	A	1163	17. Advertisement and Marketing Fees	Sheet No. 202	0.0.0	Original Sheet No. 202	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
165000	A	1164	18. Pre-Granted Abandonment, Contract Rollovers and Right of First Refusal	Sheet No. 203	0.0.0	Original Sheet No. 203	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
166000	A	1165		Sheet No. 204	0.0.0	Original Sheet No. 204	1164	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
167000	A	1166		Sheet No. 205	0.0.0	Original Sheet No. 205	1164	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
168000	A	1167		Sheet No. 206	0.0.0	Original Sheet No. 206	1164	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
169000	A	1168		Sheet No. 207	0.0.0	Original Sheet No. 207	1164	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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170000	A	1169		Sheet No. 208	0.0.0	Original Sheet No. 208	1164	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
171000	A	1170	19. Operation Control	Sheet No. 209	0.0.0	Original Sheet No. 209	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
172000	A	1171		Sheet No. 210	0.0.0	Original Sheet No. 210	1170	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
173000	A	1172	20. Measurement	Sheet No. 211	0.0.0	Original Sheet No. 211	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
174000	A	1173		Sheet No. 212	0.0.0	Original Sheet No. 212	1172	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
175000	A	1174	21. Pressure and Delivery Conditions	Sheet No. 213	0.0.0	Original Sheet No. 213	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
176000	A	1175	22. Quality of Gas	Sheet No. 214	0.0.0	Original Sheet No. 214	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
177000	A	1176		Sheet No. 215	0.0.0	Original Sheet No. 215	1175	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
178000	A	1177	23. Force Majeure	Sheet No. 216	0.0.0	Original Sheet No. 216	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
179000	A	1178	24. Possession of Gas, Title and Responsibility	Sheet No. 217	0.0.0	Original Sheet No. 217	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
180000	A	1179	25. Notification	Sheet No. 218	0.0.0	Original Sheet No. 218	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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181000	A	1180		Sheet No. 219	0.0.0	Original Sheet No. 219	1179	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
182000	A	1181	26. Facilities/ Obligation to Carry Out Agreement/Filings	Sheet No. 220	0.0.0	Original Sheet No. 220	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
183000	A	1182	27. Indemnification	Sheet No. 221	0.0.0	Original Sheet No. 221	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
184000	A	1183	28. Successors and Assigns	Sheet No. 222	0.0.0	Original Sheet No. 222	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
185000	A	1184	29. Regulation	Sheet No. 223	0.0.0	Original Sheet No. 223	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
186000	A	1185	30. Miscellaneous	Sheet No. 224	0.0.0	Original Sheet No. 224	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
187000	A	1186		Sheet No. 225	0.0.0	Original Sheet No. 225	1185	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
188000	A	1187	31. Complaint Procedure	Sheet No. 226	0.0.0	Original Sheet No. 226	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
189000	A	1188	32. Annual Charges Adjustment Charge	Sheet No. 227	0.0.0	Original Sheet No. 227	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
190000	A	1189	33. North American Energy Standards Board (NAESB)	Sheet No. 228	0.0.0	Original Sheet No. 228	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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191000	A	1190		Sheet No. 229	0.0.0	Original Sheet No. 229	1189	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
192000	A	1191	34. Negotiated Rates	Sheet No. 230	0.0.0	Original Sheet No. 230	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
193000	A	1192		Sheet No. 231	0.0.0	Original Sheet No. 231	1191	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
194000	A	1193		Sheet No. 232	0.0.0	Original Sheet No. 232	1191	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
195000	A	1194		Sheet No. 233	0.0.0	Original Sheet No. 233	1191	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
196000	A	1195	35. Non-Conforming Agreements	Sheet No. 234	0.0.0	Original Sheet No. 234	1060	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
197000	A	1196		Sheet No. 235	0.0.0	Original Sheet No. 235	1195	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
198000	A	1197		Sheet No. 236	0.0.0	Original Sheet No. 236	1195	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
199000	A	1198		Sheet No. 237	0.0.0	Original Sheet No. 237	1195	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
200000	A	1199	Reserved Sheets No. 238 - 298	Reserved Sheets No. 238 - 298	0.0.0	Original Reserved Sheets No. 238 - 298	1000	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
201000	A	1200	Form of Service Agreements	Sheet No. 299	0.0.0	Original Sheet No. 299	1000	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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202000	A	1201	Rate Schedules FTS and ITS	Sheet No. 300	0.0.0	Original Sheet No. 300	1200	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
203000	A	1202		Sheet No. 301	0.0.0	Original Sheet No. 301	1201	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
204000	A	1203		Sheet No. 302	0.0.0	Original Sheet No. 302	1201	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
205000	A	1204		Sheet No. 303	0.0.0	Original Sheet No. 303	1201	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
206000	A	1205		Sheet No. 304	0.0.0	Original Sheet No. 304	1201	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
207000	A	1206		Sheet No. 305	0.0.0	Original Sheet No. 305	1201	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
208000	A	1207	Rate Schedule FTS-2	Sheet No. 306	0.0.0	Original Sheet No. 306	1200	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
209000	A	1208		Sheet No. 307	0.0.0	Original Sheet No. 307	1207	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
210000	A	1209		Sheet No. 308	0.0.0	Original Sheet No. 308	1207	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
211000	A	1210		Sheet No. 309	0.0.0	Original Sheet No. 309	1207	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
212000	A	1211		Sheet No. 310	0.0.0	Original Sheet No. 310	1207	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
213000	A	1212		Sheet No. 311	0.0.0	Original Sheet No. 311	1207	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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214000	A	1213	Interactive Internet Website Agreement	Sheet No. 312	0.0.0	Original Sheet No. 312	1200	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
215000	A	1214		Sheet No. 313	0.0.0	Original Sheet No. 313	1213	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
216000	A	1215		Sheet No. 314	0.0.0	Original Sheet No. 314	1213	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
217000	A	1216		Sheet No. 315	0.0.0	Original Sheet No. 315	1213	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
217000	A	1217		Sheet No. 316	0.0.0	Original Sheet No. 316	1213	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
218000	A	1218		Sheet No. 317	0.0.0	Original Sheet No. 317	1213	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
219000	A	1219	Interactive Internet Website User Access Auth	Sheet No. 318	0.0.0	Original Sheet No. 318	1200	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
220000	A	1220		Sheet No. 319	0.0.0	Original Sheet No. 319	1219	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
221000	A	1221	Parking and Lending	Sheet No. 320	0.0.0	Original Sheet No. 320	1200	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
222000	A	1222		Sheet No. 321	0.0.0	Original Sheet No. 321	1221	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
223000	A	1223		Sheet No. 322	0.0.0	Original Sheet No. 322	1221	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
224000	A	1224		Sheet No. 323	0.0.0	Original Sheet No. 323	1221	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
225000	A	1225		Sheet No. 324	0.0.0	Original Sheet No. 324	1221	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
226000	A	1226	Reserve Dedication Agreement (for use with Rate Schedule ITS)	Sheet No. 325	0.0.0	Original Sheet No. 325	1200	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
227000	A	1227		Sheet No. 326	0.0.0	Original Sheet No. 326	1226	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
228000	A	1228		Sheet No. 327	0.0.0	Original Sheet No. 327	1226	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
229000	A	1229		Sheet No. 328	0.0.0	Original Sheet No. 328	1226	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
230000	A	1230		Sheet No. 329	0.0.0	Original Sheet No. 329	1226	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
231000	A	1231		Sheet No. 330	0.0.0	Original Sheet No. 330	1226	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
232000	A	1232		Sheet No. 331	0.0.0	Original Sheet No. 331	1226	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
233000	A	1233		Sheet No. 332	0.0.0	Original Sheet No. 332	1226	2007-10-16	500	See Note 1	1004	Plain Text	NEW			
234000	A	1234		Sheet No. 333	0.0.0	Original Sheet No. 333	1226	2007-10-16	500	See Note 1	1004	Plain Text	NEW			

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Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
235000	A	1235		Sheet No. 334	0.0.0	Original Sheet No. 334	1226	2007-10-16	1	See Note 1	1004	Plain Text	NEW			
236000	A	1236		Sheet No. 335	0.0.0	Original Sheet No. 335	1226	2007-10-16	1	See Note 1	1004	Plain Text	NEW			
237000	A	1237		Sheet No. 336	0.0.0	Original Sheet No. 336	1226	2007-10-16	1	See Note 1	1004	Plain Text	NEW			

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Use Case: 3B
Company Identifier: 069 **Industry:** Gas Industry
Tariff Identifier: 1 **Approach:** Sheet
Filing Identifier: 10108020 **Filing:** Initial
Description: Filing to add a sheet to the PAL from a reserved bundle.

Filing Data

Company Identifier	069	Type of Filing Code	1800	Payment Confirmation Code	
Tariff Identifier	1	Tariff Title	Gas Transportation Tariffs		
Filing Identifier	10108020	Filing Title Description	Add a sheet to the PAL	Suspension Motion	N
Associated Filing Identifier		Validation e-mail	tariffs@gas_pipeline.com	Schema Version	1

Attachments

Attachment Reference Code	Attachment Waiver Request	Attachment Document File Name	Attachment Description	Attachment Security Level	Attachment Binary	Attachment Content Type Code
16000	N	transmittal_letter.doc	Transmittal Letter	P	See Note 1	41
16300	N	redline.pdf	Marked Tariff	P	See Note 1	3
67500	N	tariff.pdf	Tariff	P	See Note 1	3
[TBD]	N	entire_filing.pdf	Entire Filing	P	See Note 1	3

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Tariff Records

Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
60000	A	1059		Sheet No. 90	1.0.0	First Revised Sheet No. 90	1052	2007-12-31	500	See Note 1	1004	Plain Text	CHANGE			
60500	A	1238	Reserved Sheets 91-98	Reserved Sheets 91-98	0.0.0	Original Reserved Sheets 91-98	1000	2007-12-31	5001	See Note 1	1004	Plain Text	NEW			

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CASE: 4B
Company Identifier: 069 **Industry:** Gas Industry
Tariff Identifier: 1 **Approach:** Sheet
Filing Identifier: 10108010 **Filing:** Amendment
Description: An amendment filing to correct a typo on First Revised Sheet No. 44 to be effective on the same date.

Filing Data

Company Identifier	069	Filing Type Code	4200	Payment Confirmation Code	
Tariff Identifier	1	Tariff Title	Gas Transportation Tariffs		
Filing Identifier	10108010	Filing Title	Docket RP08-24-001	Suspension Motion	N
Associated Filing Identifier	10108005	Validation e-mail	tariffs@gas_pipeline.com	Schema Version	1

Attachments

Attachment Reference Code	Attachment Waiver Request	Attachment Document File Name	Attachment Description	Attachment Security Level	Attachment Binary	Attachment Content Type Code
50500	N	transmittal_letter.doc	Transmittal Letter	P	See Note 1	41
50900	N	redline.pdf	Marked Tariff	P	See Note 1	3
68300	N	tariff.pdf	Tariff	P	See Note 1	3

Tariff Records

Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
14000	A	1013		Sheet No. 44	1.1.0	Sub First Revised Sheet No. 44	1009	2007-11-01	550	See Note 1	1004	Plain Text	CHANGE	10108005	1013	A

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Use Case: 5B
Company Identifier: 069 **Industry:** Gas
Tariff Identifier: 1 **Approach:** Sheet
Filing Identifier: 10108015 **Filing:** Compliance
Description: A compliance filing submitting a revision to Sheet No. 44 removing a provision pursuant to FERC's request.

Filing Data

Company Identifier	069	Type of Filing Code	1700	Payment Confirmation Code	
Tariff Identifier	1	Tariff Title:	Gas Transportation Tariffs		
Filing Identifier	10108015	Filing Title Description	RP08-24-002	Suspension Motion	
Associated Filing Identifier	10108010	Validation e-mail	tariffs@gas_pipeline.com	Schema Version	1

Attachments

Attachment Reference Code	Attachment Waiver Request	Attachment Document File Name	Attachment Description	Attachment Security Level	Attachment Binary	Attachment Content Type Code
15200	N	transmittal_letter.doc	Transmittal Letter	P	See Note 1	41
15500	N	redline.pdf	Marked Tariff	P	See Note 1	3
67400	N	tariff.pdf	Tariff	P	See Note 1	3
[TBD]	N	entire_tariff.pdf	Entire	P	See Note 1	3

Tariff Records

Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
14000	A	1013		Sheet No. 44	1.2.0	2nd Sub First Revised Sheet No. 44	1009	2007 11-01	600	See Note 1	1004	Plain Text	CHANGE	10108010	1013	A

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Use Case: 3B
Company Identifier: 069 **Industry:** Gas Industry
Tariff Identifier: 1 **Approach:** Sheet
Filing Identifier: 19001000 **Filing:** Initial
Description: This is the first in a series of three filings to illustrate the concept of a “squeezed” sheet which occurs in the second filing.

Filing Data

Company Identifier	069	Type of Filing Code	1800	Payment Confirmation Code	
Tariff Identifier	1	Tariff Title	Gas Transportation Tariffs		
Filing Identifier	19001000	Filing Title Description	Update Sheet 65	Suspension Motion	N
Associated Filing Identifier		Validation e-mail	tariffs@gas_pipeline.com	Schema Version	1

Attachments

Attachment Reference Code	Attachment Waiver Request	Attachment Document File Name	Attachment Description	Attachment Security Level	Attachment Binary	Attachment Content Type Code
16000	N	transmittal_letter.doc	Transmittal Letter	P	See Note 1	41
16300	N	redline.pdf	Marked Tariff	P	See Note 1	3
67500	N	tariff.pdf	Tariff	P	See Note 1	3

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Tariff Records

Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
35000	A	1034		Sheet No. 65	1.0.0	First Revised Original Sheet No. 65	1028	2007-12-01	500	See Note 1	1004	Plain Text	CHANGE			

Note: FERC suspended First Revised Sheet No. 65 for 5 months, to be effective May 1, 2008. The Tariff Submitter needs to file another revision to Sheet No. 65 to become effective January 1, 2008 as in filing 19001003 below.

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Use Case: 3B
Company Identifier: 069 **Industry:** Gas Industry
Tariff Identifier: 1 **Approach:** Sheet
Filing Identifier: 19001003 **Filing:** Initial
Description: This is the second in a series of three filings that illustrates the concept of a “squeezed” sheet.

Filing Data

Company Identifier	069	Type of Filing Code	1800	Payment Confirmation Code	
Tariff Identifier	1	Tariff Title	Gas Transportation Tariffs		
Filing Identifier	19001003	Filing Title Description	Update Sheet 65	Suspension Motion	N
Associated Filing Identifier		Validation e-mail	tariffs@gas_pipeline.com	Schema Version	1

Attachments

Attachment Reference Code	Attachment Waiver Request	Attachment Document File Name	Attachment Description	Attachment Security Level	Attachment Binary	Attachment Content Type Code
16000	N	transmittal_letter.doc	Transmittal Letter	P	See Note 1	41
16300	N	redline.pdf	Marked Tariff	P	See Note 1	3
67500	N	tariff.pdf	Tariff	P	See Note 1	3

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Tariff Records

Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
35000	A	1034		Sheet No. 65	0.0.1	First Revised Original Sheet No. 65	1028	2008-01-01	550	See Note 1	1004	Plain Text	CHANGE			

Note: As reflected in Filing Identifier 19001000, the First Revised Sheet No. 65 was accepted by FERC and suspended to become effective May 1, 2008. The Tariff Submitter now wants to place First Revised Sheet No. 65 in to effect on May 1, 2008 as seen in Filing Identifier 19001005 below.

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Use Case: 5B
Company Identifier: 069 **Industry:** Gas Industry
Tariff Identifier: 1 **Approach:** Sheet
Filing Identifier: 19001005 **Filing:** Compliance
Description: This is the third in a series of three filings that places the suspended First Revised Sheet No. 65 into effect. It also incorporates the revisions reflected in the Filing Identifier 19001003 above.

Filing Data

Company Identifier	069	Type of Filing Code	1700	Payment Confirmation Code	
Tariff Identifier	1	Tariff Title	Gas Transportation . Tariffs		
Filing Identifier	19001005	Filing Title Description	Update Sheet 65	Suspension Motion	
Associated Filing Identifier	19001000	Validation e-mail	tariffs@gas_pipeline.com	Schema Version	1

Attachments

Attachment Reference Code	Attachment Waiver Request	Attachment Document File Name	Attachment Description	Attachment Security Level	Attachment Binary	Attachment Content Type Code
15200	N	transmittal_letter.doc	Transmittal Letter	P	See Note 1	41
15500	N	redline.pdf	Marked Tariff	P	See Note 1	3
67400	N	tariff.pdf	Tariff	P	See Note 1	3

Tariff Records

Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
35000	A	1034		Sheet No. 65	1.1.0	Substitute First Revised Sheet No. 65	1028	5/1/2008	500	See Note 1	1004	Plain Text	CHANGE	19001003	1034	A

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Use Case: 1C
Company Identifier: 070 **Industry:** Oil Industry
Tariff Identifier: 100 **Approach:** Document
Filing Identifier: 1 **Filing:** Baseline
Description: Baseline initial filing of an oil pipeline tariff using the entire Whole Document Format.

Filing Data

Company Identifier	070	Type of Filing Code	2900	Payment Confirmation Code	N
Tariff Identifier	100	Tariff Title	Collection of Tariffs		
Filing Identifier	1	Filing Title Description	Initial Baseline Filing of Rate Tariff	Suspension Motion	N
Associated Filing Identifier		Validation e-mail	etariff@oil_pipeline.com	Schema Version	1

Attachments

Attachment Reference Code	Attachment Waiver Request	Attachment Document File Name	Attachment Description	Attachment Security Level	Attachment Binary	Attachment Content Type Code
36200	N	Transmittal_102.pdf	Transmittal Letter	P	See Note 1	3
69300	N	Tariff_102.pdf	Tariff	P	See Note 1	3
69300	N	Tariff_103.pdf	Tariff	P	See Note 1	3

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Tariff Records

Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
1000	A	1000	Rate Tariff 102	Baseline Tariff	0.0.0	Local and Proportional Contract Rate Tariff 102	0	2008-12-01	1	See Note 1	1003	Plain Text	NEW			
2000	A	1001	Rate Tariff 103	Baseline Tariff	0.0.0	Local Rate Tariff 103	0	2008-12-01	1	See Note 1	1003	Plain Text	NEW			

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Use Case: 3C

Company Identifier: 070

Industry: Oil Industry

Tariff Identifier: 100

Approach: Document

Filing Identifier: 5

Filing: Amendment

Description: This use case follows the oil pipeline industry practice "amending" tariffs by superseding or "replacing" all or part of a tariff either by issuing a Supplement to an effective tariff publication or by issuing a tariff with a new tariff designation, cancelling the superseded supplement or tariff, and indicating where changes have been made in the new supplement or tariff.

Filing Data

Company Identifier	070	Type of Filing Code	3500	Payment Confirmation Code	N
Tariff Identifier	100	Tariff Title	Collection of Tariffs		
Filing Identifier	5	Filing Title Description	Supplement (Amendment) to Baseline Rate Tariff	Suspension Motion	N
Associated Filing Identifier		Validation e-mail	etariff@oil_pipeline.com	Schema Version	1

Attachments

Attachment Reference Code	Attachment Waiver Request	Attachment Document File Name	Attachment Description	Attachment Security Level	Attachment Binary	Attachment Content Type Code
40900	N	Transmittal_102s3.pdf	Transmittal Letter	P	See Note 1	3
69800	N	Tariff_102s3.pdf	Tariff	P	See Note 1	3

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Tariff Records

Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
1000	A	1000	Rate Tariff 102 Supplement 3	Tariff Supplement	3.0.0	Local and Proportional Contract Rate Tariff 102 Supp. 3	1000	2009-07-01	500	See Note 1	1	Plain Text	CHANGE			

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Use Case: 6C-1
Company Identifier: 070 **Industry:** Oil Industry
Tariff Identifier: 100 **Approach:** Document
Filing Identifier: 2 **Filing:** Supplement
Description: A tariff supplement to the baseline Tariff Filing.

Filing Data

Company Identifier	070	Type of Filing Code	3500	Payment Confirmation Code	N
Tariff Identifier	100	Tariff Title	Collection of Tariffs		
Filing Identifier	2	Filing Title Description	Supplemental to Baseline Tariff	Suspension Motion	N
Associated Filing Identifier		Validation e-mail	etariff@oil_pipeline.com	Schema Version	1

Attachments

Attachment Reference Code	Attachment Waiver Request	Attachment Document File Name	Attachment Description	Attachment Security Level	Attachment Binary	Attachment Content Type Code
40900	N	Transmittat_S102s1.pdf	Transmittal Letter	P	See Note 1	3
69800	N	Tariff_102s1.pdf	Tariff	P	See Note 1	3

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Tariff Records

Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
1000	A	1000	Rate Tariff	Tariff Supplement	1.0.0	Local and Proportional Contract Rate Tariff 102 Supp. 1	1001	2009-05-18	500	See Note 1	1003	Plain Text	CHANGE			

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Use Case: 6C-2
Company Identifier: 070 **Industry:** Oil Industry
Tariff Identifier: 100 **Approach:** Document
Filing Identifier: 3 **Filing:** Withdrawal
Description: An oil pipeline files a tariff publication and withdraws the filing before it becomes effective.

Filing Data

Company Identifier	070	Type of Filing Code	2800	Payment Confirmation Code	N
Tariff Identifier	100	Tariff Title	Collection of Tariffs		
Filing Identifier	3	Filing Title Description	Withdrawal of Supplemental	Suspension Motion	N
Associated Filing Identifier	2	Validation e-mail	etariff@oil_pipeline.com	Schema Version	1

Attachments

Attachment Reference Code	Attachment Waiver Request	Attachment Document File Name	Attachment Description	Attachment Security Level	Attachment Binary	Attachment Content Type Code
37500	N	Withdrawal_102s1.pdf	Transmittal Letter	P	See Note 1	3

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Tariff Records

Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
1000	A	1000	Withdraw Tariff 102 Supplement 1	Withdraw Notice		Withdraw Local and Proportional Contract Rate Tariff 102 Supp. 1	0	2005-05-18	500		1	Plain Text	CHANGE	2	1000	A

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Use Case: 7C

Company Identifier: 070

Industry: Oil Industry

Tariff Identifier: 100

Approach: Document

Filing Identifier: 6

Filing: Cancellation

Description: A tariff supplement is filed that cancels a complete database, meaning that the oil pipeline company no longer has any effective tariffs, rate schedules, or service agreements.

Filing Data

Company Identifier	070	Type of Filing Code	3000	Payment Confirmation	N
Tariff Identifier	100	Tariff Title	Collection of Tariffs		
Filing Identifier	6	Filing Title Description	Cancellation of Tariff (Database)	Suspension Motion	N
Associated Filing Identifier		Validation e-mail	etariff@oil_pipeline.com	Schema Version	1

Attachments

Attachment Reference Code	Attachment Waiver Request	Attachment Document File Name	Attachment Description	Attachment Security Level	Attachment Binary	Attachment Content Type Code
36800	N	Transmittal_Canceling_Tariffs.pdf	Transmittal Letter	P	See Note 1	3

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Tariff Records

Collation Value	Option Code	Record ID	Record Title	Record Description	Version	Record Narrative	Parent ID	Proposed Effective Date	Priority	Binary Data	Content Type	Plain Text	Record Change Type	Associated Filing ID	Associated Record ID	Associated Option Code
1000	A	1000	Cancel Tariff Database	Cancellation Letter		Cancels Tariff		2007-10-12	500				CANCEL			

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Example XML eTariff Filing Package

```
<document xmlns="http://ferc.gov/etariff.xsd"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://ferc.gov/etariff.xsd etariff_v1.xsd">
  <ferc_filing_data>
    <schema_version>1</schema_version>
    <company_id>070</company_id>
    <tariff_id>100</tariff_id>
    <tariff_title>Collection of Tariffs</tariff_title>
    <filing_id>6</filing_id>
    <filing_title>Cancellation of Tariff (Database)</filing_title>
    <filing_type>3000</filing_type>
    <associated_filing_id xsi:nil="true"/>
    <validation_email>etariff@oil_pipeline.com</validation_email>
    <pay_confirm_code>N</pay_confirm_code>
    <suspend_motion>N</suspend_motion>
    <attachment_data>
      <att_ref_code>36800</att_ref_code>
      <att_desc>Transmittal Letter</att_desc>
      <att_waiver_request>N</att_waiver_request>
      <att_raw_data>VABCAEQA</att_raw_data>
      <att_filename>Transmittal_Cancelling_Tariffs.pdf</att_filename>
      <att_content_type_code>3</att_content_type_code>
      <att_security_level>P</att_security_level>
    </attachment_data>
    <record_data>
      <record_id>1000</record_id>
      <option_code>A</option_code>
      <record_title>Cancel Tariff Database</record_title>
      <record_content_desc>Cancellation Letter</record_content_desc>
      <record_version_num xsi:nil="true"/>
      <record_narrative_name>Cancels Tariff</record_narrative_name>
      <collation_value>1000</collation_value>
      <record_parent_id>0</record_parent_id>
      <proposed_effective_date>2007-10-12</proposed_effective_date>
      <priority_order>500</priority_order>
      <record_content_type_code xsi:nil="true"></record_content_type_code>
      <record_binary_data xsi:nil="true"/>
      <record_plain_text xsi:nil="true"/>
      <record_change_type>CANCEL</record_change_type>
      <associated_filing_id xsi:nil="true"/>
      <associated_record_id xsi:nil="true"/>
      <associated_option_code/>
    </record_data>
  </ferc_filing_data>
</document>
```

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</record_data>
</ferc_filing_data>
</document>

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Frequently Asked Questions

General Questions:

Question: How many active databases may a Tariff Submitter have at any one time?

Answer: FERC recommends one although a Tariff Submitter may have more than one based on business requirements.

Question: What alternative solutions will there be for the submission of Tariff Filings if the FERC electronic filing mechanism is unavailable for use?

Answer: FERC will issue guidance as necessary via the FERC website at www.ferc.gov through notices, orders, or rulemakings.

Question: Will eFiling peak usage congestion be monitored? If congestion occurs, how will it be resolved?

Answer: FERC will be responsible and will issue guidance as necessary via the FERC website at www.ferc.gov through notices, orders, or rulemakings.

Question: If a Field Format is 'alphanumeric' does it include special characters (e.g., apostrophes)?

Answer: Yes, if they are printable characters. In the data element **Attachment Document File Name**, however, file naming conventions should be followed.

Question: Will the Tariff Submitter be able to see the status/content of a portion of a Tariff in the FERC database and if so, how/where?

Answer: No

Question: If a Tariff Submitter is using Whole Document Format and changing only one provision, may the redline attachment simply reflect that changed provision?

Answer: Yes

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Data Element-Specific Questions:

Question: What is an example of a Tariff Filing which would not have any **Record Binary Data** or **Record Plain Text**?

Answer: A filing to withdraw a Tariff Record; a motion to change the proposed effective date of a Tariff Record.

Question: The **Record Binary Data**, or a portion thereof, is a diagram or a picture that is blank or gibberish when saved as plain text. How should a Tariff Submitter populate the **Record Plain Text** data element?

Answer: The Tariff Submitter should convert to plain text and submit the results of that conversion.

Question: If the **Record Binary Data**, or a portion thereof, is a scanned PDF containing text how should the Tariff Submitter create the **Record Plain Text**?

Answer: The Tariff Submitter should run an optical character recognition (OCR) program and submit the results as the **Record Plain Text**.

Question: What should a filer do if an **attachment** exceeds the maximum allowed limit?

Answer: If a binary attachment exceeds the maximum size (as specified in the data tables) the Tariff Submitter will need to make a decision on where it is appropriate to split the attachment. Each attachment "fragment" needs to be sent within the same XML package as a separate attachment.

Question: Can a **Validation e-mail** be an exploder (i.e., an e-mail address that is automatically forwards the e-mail to multiple other e-mails addresses)?

Answer: Yes

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How to Effectuate Certain Types of Filing

Question: How are updates/corrections to metadata accomplished - e.g., if a mistake is made regarding a **Parent Record Identifier** or **Record Collation Value**?

Answer: Updates/corrections for metadata should be accomplished through a Tariff Filing. There is no special **Type of Filing** to make metadata corrections within the FERC eTariff database.

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RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

For Quadrant: **WEQ**

Requesters: **ESS/ITS/BPA Subcommittees**

Request No.: **2008AP 2.a.i.4**

Request Title: **Load Forecast and Actual Load Business Practice Standards associated with S&CP changes.**

1. RECOMMENDED ACTION:

☐ Accept as requested
☒ Accept as modified below
☐ Decline

EFFECT OF EC VOTE TO ACCEPT RECOMMENDED ACTION:

☐ Change to Existing Practice
☐ Status Quo

2. TYPE OF DEVELOPMENT/MAINTENANCE

Per Request:

☐ Initiation
☐ Modification
☐ Interpretation
☐ Withdrawal

☐ Principle
☐ Definition
☐ Business Practice Standard
☐ Document
☐ Data Element
☐ Code Value
☐ X12 Implementation Guide
☐ Business Process Documentation

Per Recommendation:

☐ Initiation
☒ Modification
☐ Interpretation
☐ Withdrawal

☐ Principle
☐ Definition
☒ Business Practice Standard
☐ Document
☐ Data Element
☐ Code Value
☐ X12 Implementation Guide
☐ Business Process Documentation

3. RECOMMENDATION

SUMMARY:

In FERC Order 890 under Docket numbers RM05-17 and RM05-25 the Commission made conclusions to posting load forecast and actual peak load in paragraphs 413 and 416. In FERC Order 890-A under Docket number RM05-17 and RM05-25 the Commission expanded on their requirements for posting load forecast under paragraphs 136 and 143. The following recommended Standards address this these conclusions.

RECOMMENDED STANDARDS:



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

For Quadrant: WEQ

Requesters: ESS/ITS/BPA Subcommittees

Request No.: 2008AP 2.a.i.4

Request Title: Load Forecast and Actual Load Business Practice Standards associated with S&CP changes.

Modifications to WEQ-001 (New Requirements)

Business Practice Standards for Posting the Forecast and Actual Loads

Standard Y: Forecasted and Actual Load Data Posting

The Transmission Provider or RTO/ISO shall post on OASIS the daily peak load forecasts along with a brief, but specific, underlying load forecast assumptions associated with each peak load forecast and shall post on OASIS the actual peak load for the prior day.

Standard Y.1: Frequency and Timing of Forecasted and Actual Load Data

Standard Y.1.1: Forecasted System-wide Load Data(including native load)

The Transmission Provider or RTO/ISO shall post daily forecasted peak load(s) for the entire control area footprint.

Standard Y.1.2: Forecasted Native Load Data

The Transmission Provider or RTO/ISO shall post daily forecasted peak load(s) for each control area under its footprint.

Standard Y.1.3: Actual System-wide Load Data(including native load)

The Transmission Provider or RTO/ISO shall post the actual daily peak load for the prior day for the entire control area footprint.

Standard Y.1.4: Actual Native Load Data

The Transmission Provider or RTO/ISO shall post the actual daily peak load for the prior day for each control area under its footprint.

Standard Y.1.5: Forecasted Load Timing

The Transmission Provider or RTO/ISO shall post the values meeting the criteria specified in Y.1.1 through Y.1.4 by noon of the current day.

Standard Y.2: Load Forecast Assumptions Posting



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

For Quadrant: **WEQ**

Requesters: **ESS/ITS/BPA Subcommittees**

Request No.: **2008AP 2.a.i.4**

Request Title: **Load Forecast and Actual Load Business Practice Standards associated with S&CP changes.**

The Transmission Provider or RTO/ISO shall post on OASIS a brief, but specific, underlying load forecast assumptions associated with each peak load forecast that meets the criteria specified in Standard Y.1.1 and Y.1.2.

Standard Y.2.1: *systemdata*

The load forecast assumptions and values shall be posted in accordance with the OASIS Implementation Guide (WEQ-013) Version 1.5 and the OASIS Standards and Communication Protocols (WEQ-002) Version 1.5, such that it may be queried and viewed on OASIS using the ***systemdata*** template.

Standard Y.2.2: *systemdata* Data Elements

The load forecast assumptions shall include in the ***systemdata*** template the following information:

- SYSTEM_ELEMENT_TYPE = "LOAD_ZONE"
- SYSTEM_ELEMENT = Name of the metered zone whose forecast and actual load data is being posted; for SYSTEM_LOAD_FORECAST and NATIVE_LOAD_FORECAST values this shall be the registered NERC acronym for the Balancing Area
- SYSTEM_ATTRIBUTE = Attribute values related to system load as specified in Standard Y.2.1.
- START_TIME = Beginning of interval associated with the posted value
- STOP_TIME = End of interval associated with the posted value
- ATTRIBUTE_VALUE = Value of the zone's load or load forecast over the interval of START_TIME/STOP_TIME
- ATTRIBUTE_UNITS = Units of ATTRIBUTE_VALUE; typically MW
- ANNOTATION = A brief, but specific, underlying load forecast assumptions associated with each peak load forecast



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

For Quadrant: WEQ

Requesters: ESS/ITS/BPA Subcommittees

Request No.: 2008AP 2.a.i.4

Request Title: Load Forecast and Actual Load Business Practice Standards associated with S&CP changes.

Modifications to WEQ-013 (Revisions noted with redlines)

Business Practices for Open Access Same-Time Information Systems (OASIS) Implementation Guide Version 1.5

013-3.3.2 System Load Related Query/Response Requirements

Transmission Providers shall provide data for the following SYSTEM_ATTRIBUTE values related to System load as required by all applicable regulations and business practices:

- ZONE_LOAD_FORECAST – Forecast of the Transmission Provider's anticipated Load in a metered zone
- SYSTEM_LOAD_FORECAST – Forecast of the Transmission Provider's total system-wide load forecast for native load
- NATIVE_LOAD_FORECAST – The portion of the Transmission Provider's total system-wide load forecast for native load
- [SYSTEM ACTUAL_LOAD](#) – The Transmission Provider's actual [system-wide](#) daily peak load posted after the fact
- [NATIVE ACTUAL_LOAD](#) – The Transmission Provider's actual native daily peak load posted after the fact

The SYSTEM_ELEMENT_TYPE and SYSTEM_ELEMENT shall be used as follows:

- SYSTEM_ELEMENT_TYPE = LOAD_ZONE
- SYSTEM_ELEMENT = name of the metered zone whose forecast and actual load data is being posted; for SYSTEM_LOAD_FORECAST and NATIVE_LOAD_FORECAST values this shall be the registered NERC acronym for the Balancing Area

The following table shows an example of the **systemdata** template Data Element usage for providing information on load related data:

Data Element	Restriction/Requirement
POSTING_REF	The unique OASIS identifier assigned to the posting
SYSTEM_ELEMENT_TYPE	"LOAD_ZONE"
SYSTEM_ELEMENT	Name of the specific load or balancing area associated with the posted value



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

For Quadrant: **WEQ**

Requesters: **ESS/ITS/BPA Subcommittees**

Request No.: **2008AP 2.a.i.4**

Request Title: **Load Forecast and Actual Load Business Practice Standards associated with S&CP changes.**

Data Element	Restriction/Requirement
SYSTEM_ATTRIBUTE	"ACTUAL_LOAD"
START_TIME	Beginning of interval associated with the posted value
STOP_TIME	End of interval associated with the posted value
ATTRIBUTE_VALUE	Value of the zone's load or load forecast over the interval of START_TIME/STOP_TIME
ATTRIBUTE_UNITS	Units of ATTRIBUTE_VALUE; typically MW
ANNOTATION	Optional at discretion of the Provider; typically null

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

Modifications to WEQ-003 (Revisions noted with redlines)

003-0 OASIS DATA DICTIONARY Version 1.5 Modifications

Data Dictionary Element Name **SYSTEM_ATTRIBUTE**

Valid Values
~~ACTUAL_LOAD~~
[NATIVE ACTUAL LOAD](#)
[SYSTEM ACTUAL LOAD](#)

Definition of Data Element
~~ACTUAL_LOAD~~
[NATIVE ACTUAL LOAD – Portion of Actual daily peak load values for native load for the metered Balancing Area or metered Zone within the BA posted after the fact](#)
[SYSTEM ACTUAL LOAD](#)

4. SUPPORTING DOCUMENTATION

a. Description of Request:



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

For Quadrant: WEQ

Requesters: ESS/ITS/BPA Subcommittees

Request No.: 2008AP 2.a.i.4

Request Title: Load Forecast and Actual Load Business Practice Standards associated with S&CP changes.

In the FERC Order 890 under Docket Nos. RM05-17-000 and RM05-25-000 dated February 16, 2007, the Commission made the following conclusions about this recommendation:

Paragraph 413 - *The Commission adopts the proposed requirement to post on OASIS metrics related to the provision of transmission service under the OATT. Specifically, transmission providers must post (1) the number of affiliate versus non-affiliate requests for transmission service that have been rejected and (2) the number of affiliate versus non-affiliate requests for transmission service that have been made. This posting must detail the length of service request (e.g., short-term or long-term) and the type of service requested (e.g., firm point-to-point, non-firm point-to-point or network service). The Commission also will require transmission providers to post their underlying load forecast assumptions for all ATC calculations and, to post on a daily basis, their actual daily peak load for the prior day. The Commission directs transmission providers to work through NAESB to develop standards for consistent methods of posting the new requirements on OASIS.*

Paragraph 416 - *With regard to posting of load forecasts and actual daily peak load, we conclude that such postings are necessary to provide transparency for transmission customers. We agree with E.ON that RTO and ISO load data needs to be posted at a sufficient granularity to allow for meaningful comparison of control area and LSE load levels. Most RTOs and ISOs post load data for the entire footprint, but few post it on an LSE or control area basis. We therefore direct ISOs and RTOs to post load data for the entire ISO/RTO footprint and for each LSE or control area footprint within the ISO/RTO. This will not create an undue burden on ISOs and RTOs, since the load data for the entire footprint is an aggregation of load data across the LSEs or control areas in the footprint. We also agree with EEI that the peak load applies to system-wide load, including native load. We direct transmission providers to post load forecasts and actual daily peak load for both system-wide load (including native load) and native load, as this data will be useful to customers and regulators. We deny EEI's request for a guarantee that transmission providers will not be held accountable for producing a reasonable load forecast. While we do not intend to penalize transmission providers for failing to account for unforeseen circumstances, we retain our ability to investigate any allegations of manipulation of load forecasts, as this could be used as a means of inappropriately denying requested transmission service.*

In the FERC Order 890-A under Docket Nos. RM05-17-001, 002 and RM05-25-001, 002 dated December 28, 2007, the Commission made the following conclusions about this recommendation:

Paragraph 136 - *The Commission also required transmission providers to post their underlying load forecast assumptions for all ATC calculations and to post, on a daily basis, their actual daily peak load for the prior day and load forecasts and actual daily peak load for both system-wide load (including native load) and native load. ISOs and RTOs are required to post this load data for the entire ISO/RTO footprint and for each LSE or control area footprint within the ISO/RTO.*



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

For Quadrant: WEQ

Requesters: ESS/ITS/BPA Subcommittees

Request No.: 2008AP 2.a.i.4

Request Title: Load Forecast and Actual Load Business Practice Standards associated with S&CP changes.

***Paragraph 143** - In response to Constellation, we clarify that underlying load forecast assumptions should include economic and weather-related assumptions. We revise our regulations to clearly state the obligation to post both actual daily peak load and load forecast data, as required in Order No. 890.¹ We decline to adopt E.ON LSE's request to delay release of load data required to be posted in Order No. 890. Posting load forecast and actual load data on a control area and LSE level provides necessary transparency to transmission customers and does not, in our view, raise serious competitive implications.² If there is customer-specific information deemed confidential by the affected customer that impedes the ability of the transmission provider to post this data, we will consider requests for exemption from the posting requirement on a case-by-case base.*

2008 WEQ Annual Plan Item 2.a.i.4

Load Forecast and Actual Load Business Practice Standards associated with S&CP changes.

b. Description of Recommendation:

c. Business Purpose:

Implementation of FERC Orders 890 and 890-A.

d. Commentary/Rationale of Subcommittee(s)/Task Force(s):

¹ See Order No. 890 at P 416.

² See *id.* at P 417.



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ**

Requesters: ESS/ITS/BPS Subcommittees

Request No.: 2008 AP Item 2.b.v.3 & 2008 AP Item 2.a.i.3

Request Title: ATC/TTC Narratives

1. RECOMMENDED ACTION:

☒ Accept as requested
☐ Accept as modified below
☐ Decline

**EFFECT OF EC VOTE TO ACCEPT
RECOMMENDED ACTION:**

☒ Change to Existing Practice
☐ Status Quo

2. TYPE OF DEVELOPMENT/MAINTENANCE

Per Request:

☒ Initiation
☐ Modification
☐ Interpretation
☐ Withdrawal

☐ Principle
☐ Definition
☒ Business Practice Standard
☐ Document
☐ Data Element
☐ Code Value
☐ X12 Implementation Guide
☐ Business Process Documentation
Documentation

Per Recommendation:

☒ Initiation
☐ Modification
☐ Interpretation
☐ Withdrawal

☐ Principle
☐ Definition
☒ Business Practice Standard
☐ Document
☐ Data Element
☐ Code Value
☐ X12 Implementation Guide
☐ Business Process

3. RECOMMENDATION

SUMMARY:

In the FERC Orders 890 (paragraphs 369-371) and 890-A (paragraphs 123-128) under Docket Nos. RM05-17 and RM05-25, the Commission made conclusions about ATC/TTC Narratives as more fully described in section 4 of this recommendation.



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ**

Requesters: ESS/ITS/BPS Subcommittees

**Request No.: 2008 AP Item 2.b.v.3 & 2008 AP Item
2.a.i.3**

Request Title: ATC/TTC Narratives

The ESS/ITS/BPS has reviewed Orders 890 and 890-A and recommends adoption of the following standards. The Subcommittee feels this recommendation complies with the guidance provided by the Commission.

The ESS/ITS/BPS is recommending the approval of this recommendation pending the approval of recommendation Number: WEQ Annual Plan item 2(ii) Title: Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority

RECOMMENDED STANDARDS:

Business Practice Standards for Posting the ATC and TTC Narratives

Standard Y: Zero ATC Narrative

The Transmission Provider shall post on OASIS a brief, but specific, narrative associated with yearly or monthly ATC values when either the posted firm or non-firm ATC remains unchanged at a value of zero for six months or longer.

Standard Y.1: Frequency and Timing of Zero ATC Narrative

A zero ATC narrative shall be posted when ATC values change according to the following requirements:

Standard Y.1.1: Initial Zero ATC Narrative

The Transmission Provider shall post a zero ATC narrative when ATC for a constrained Posted Path meets any of the following criteria (for examples see WEQ 013.XX):

- a. The monthly ATC value for a given month has been posted at a value of zero for the past six consecutive months
- b. The monthly ATC is posted at a value of zero for a duration of six consecutive months; where that six-month duration could span past, present, and future months.
- c. The yearly ATC is posted at a value of zero for one or more future years

Standard Y.1.2: Successive Zero ATC Narrative



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ**

Requesters: ESS/ITS/BPS Subcommittees

**Request No.: 2008 AP Item 2.b.v.3 & 2008 AP Item
2.a.i.3**

Request Title: ATC/TTC Narratives

Once the initial zero ATC narrative has been posted, a Transmission Provider shall post successive narratives when the posted ATC for a constrained Posted Path remains zero and meets either of the following criteria:

- a. The conditions leading to requiring the posting of such narrative have changed.
- b. The conditions leading to requiring the posting of such narrative have not changed for six consecutive months and are still applicable.

Standard Y.1.3: Zero ATC Narrative Timing

The Transmission Provider shall post a zero ATC narrative for each constrained Posted Path within five (5) business days of meeting the criteria specified in Y.1.1 or Y.1.2.

Standard Y.2: Zero ATC Narrative Posting On OASIS

A zero ATC narrative shall be posted on OASIS for ATC on each constrained Posted Path which meets one or more of the criteria specified in Standard Y.1.1 and 1.2.

Standard Y.2.1: Use of systemdata

A zero ATC narrative shall be posted such that it may be queried and viewed on OASIS using the **systemdata** template.

Standard Y.2.2: systemdata Information

There shall be separate narrative postings for zero firm ATC and zero non-firm ATC as follows:

- SYSTEM_ELEMENT_TYPE = "PATH"
- SYSTEM_ELEMENT = Name of the path associated with the posted ATC
- SYSTEM_ATTRIBUTE = "ZERO_FATC_NARRATIVE" or "ZERO_NFATC_NARRATIVE", as applicable.
- START_TIME = Date and time that the posted ATC initially became zero, which may be prior to the date of the zero ATC narrative posting
- STOP_TIME = Date and time when the posted ATC is expected to be greater than zero. If such date and time is unknown, then a null value shall be returned for STOP_TIME.
- ATTRIBUTE_VALUE = "0"
- ATTRIBUTE_UNITS = "MW"



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ**

Requesters: ESS/ITS/BPS Subcommittees

**Request No.: 2008 AP Item 2.b.v.3 & 2008 AP Item
2.a.i.3**

Request Title: ATC/TTC Narratives

- ANNOTATION = Narrative text

Standard Y.2.3 Zero ATC Narrative Text

The narrative text shall include the following information:

Standard Y.2.3.1 Zero ATC Text String Information

One or more of the following text strings, as applicable, to explain the reason for a zero ATC value:

- All ATC is reserved
- CBM increased
- TRM increased
- TTC reduced by less than ten percent
- TTC reduced by ten percent or more
- Honoring external constraint of entity <abc> (where <abc> is the NERC Reliability Functional Model entity code of the external entity that triggered the change in ATC)
- Other (use of this text string requires additional explanatory text)

Standard Y.2.3.2 EVENT_ID

The **security** template EVENT_ID associated with the event that resulted in the posted ATC change, shall also be included in the zero ATC narrative text, where applicable.

Standard Z: ATC Change Narrative

The Transmission Provider shall post on OASIS a brief, but specific, narrative explanation of the reason for a change in the monthly or yearly firm or non-firm ATC value on a constrained Posted Path when the monthly or yearly ATC value changes as a result of a 10 percent or greater change in the related posted TTC or Total Flowgate Capability (TFC).

Standard Z.1: Frequency and Timing of the ATC Change Narrative

An ATC change narrative shall be posted when ATC values change according to the following requirements:



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ**

Requesters: ESS/ITS/BPS Subcommittees

**Request No.: 2008 AP Item 2.b.v.3 & 2008 AP Item
2.a.i.3**

Request Title: ATC/TTC Narratives

Standard Z.1.1: ATC Change Narrative

The Transmission Provider shall post an ATC change narrative when a Transmission Provider's ATC changes as a result of a 10% or more change in the Transmission Provider's TTC/TFC, as follows:

- a. a monthly or yearly ATC posted value changes on a constrained Posted Path as a result of a 10 percent or greater change in the TTC posted value, or
- b. where the Available Flowgate Capability (AFC) calculation method is used, a converted monthly or yearly ATC posted value changes on a constrained Posted Path as a result of a 10 percent or greater change in the TFC value.

Standard Z.1.2: ATC Change Narrative Timing

The Transmission Provider shall post an ATC change narrative within five (5) business days of meeting the criteria identified in Z.1.1.

Standard Z.1.3: ATC Change Narrative Updates

The Transmission Provider shall not update posted ATC change narratives. This does not preclude the Transmission Provider from posting an additional ATC change narrative should updated information become available.

Standard Z.2: ATC Change Narrative Posting on OASIS

An ATC change narrative shall be posted for each constrained Posted Path which meets the criteria specified in Standard Z.1.1.

Standard Z.2.1: Use of *systemdata*

An ATC change narrative shall be posted such that it may be queried and viewed on OASIS using the ***systemdata*** template.

Standard Z.2.2: *systemdata* Information

There shall be separate narrative postings for firm ATC changes and non-firm ATC changes as follows:

- SYSTEM_ELEMENT_TYPE = "PATH"
- SYSTEM_ELEMENT = Name of the path whose posted ATC changed due to meeting the criteria specified in Z.1.1



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ**

Requesters: ESS/ITS/BPS Subcommittees

Request No.: 2008 AP Item 2.b.v.3 & 2008 AP Item 2.a.i.3

Request Title: ATC/TTC Narratives

- SYSTEM_ATTRIBUTE = "FATC_CHANGE_NARRATIVE" or "NFATC_CHANGE_NARRATIVE", as applicable.
- START_TIME = Date and time that the Transmission Provider's most limiting TTC path's TTC or TFC flowgate's TFC changed consistent with the criteria specified in Z.1.1.
- STOP_TIME = Date and time of the end of the reason for the change in the Transmission Provider's most limiting TTC path's TTC or TFC flowgate's TFC, consistent with the criteria specified in Z.1.1, if a reasonable estimate is known at the time of the posting. . If the date and time for the end of the reason for the change is (1) unknown or is indeterminate, (2) beyond the OASIS posting horizon, or (3) the change is permanent then a null value shall be returned for STOP_TIME.
- ATTRIBUTE_VALUE = The maximum change in TTC/TFC over the start /stop time interval rounded to the nearest percent (e.g., an increase of 13.7% in TTC would be posted as +14% and a decrease of 13.7% in TTC would be posted as -14%)
- ATTRIBUTE_UNITS = "%"
- ANNOTATION = Narrative text

Standard Z.2.3: ATC Change Narrative Text

An ATC change narrative text shall include the following fields of information:

Standard Z.2.3.1: Entity Code

The NERC Reliability Functional Model entity code of the entity whose event triggered the change.

Standard Z.2.3.2: Limiting TTC or TFC

The name of the most limiting TTC path or TFC flowgate on the Transmission Provider's system contributing to the ATC change.

Standard Z.2.3.3: EVENT_ID



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ**

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Request No.: 2008 AP Item 2.b.v.3 & 2008 AP Item 2.a.i.3

Request Title: ATC/TTC Narratives

The **security** template EVENT_ID associated with the event that resulted in the posted ATC change, shall also be included in the ATC change narrative text, where applicable.

Standard Z.2.3.4: STOP TIME of Null Value

When the Transmission Provider uses a null value in STOP_TIME, the Transmission Provider shall include in the narrative text one of the following text strings:

- STOP_TIME is indeterminate
- STOP_TIME is beyond the OASIS posting horizon
- Change to TTC/TFC is permanent

Standard Z.2.3.5: ATC Change Text String Information

One or more of the following text strings, as applicable, to explain the reason for the change in underlying TTC or TFC that resulted in the change in ATC::

- Load forecast change
- Generation dispatch change
- Generation forced outage
- Generation scheduled outage
- Generation addition
- Generation retirement
- Transmission configuration change
- System element forced outage
- System element planned outage
- System element addition
- System element retirement
- Addition of a flowgate
- Removal of a flowgate
- Facility rating change, including SOL



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE For Quadrant: WEQ

Requesters: ESS/ITS/BPS Subcommittees

Request No.: 2008 AP Item 2.b.v.3 & 2008 AP Item 2.a.i.3

Request Title: ATC/TTC Narratives

- Change in transfer capability allocation
- Honoring external constraint of entity <abc> (where <abc> is the NERC Reliability Functional Model entity code of the external entity that triggered the change in ATC)
- Other (use of this text string requires additional explanatory text)

Corresponding changes should be made to WEQ 013-3.3.1 as shown below:

The following are the **systemdata** template Data Element requirements for providing information on ATC annotations for instances where changes in monthly or yearly ATC are a result of a change in TTC greater than 10 %:

Data Element	Restriction/Requirement
POSTING_REF	The unique OASIS identifier assigned to the posting
SYSTEM_ELEMENT_TY PE	"PATH"
SYSTEM_ELEMENT	Name of the path associated with the posted ATC component value
SYSTEM_ATTRIBUTE	"TTC_NARRATIVE"
START_TIME	Date and time that the ATC was changed due to the criteria specified in Z.1.1 .
STOP_TIME	Date and time for the end of the TTC change posting. If the date and time for TTC returning to the previous posted value is unknown then a null value shall be returned for STOP_TIME.



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ

Requesters: ESS/ITS/BPS Subcommittees

Request No.: 2008 AP Item 2.b.v.3 & 2008 AP Item 2.a.i.3

Request Title: ATC/TTC Narratives

Data Element	Restriction/Requirement
ATTRIBUTE_VALUE	The maximum change in TTC or ATC, as applicable, over the start /stop time interval rounded to the nearest percent (e.g., an increase of 13.7% in TTC would be posted as +14% and a decrease of 13.7% in TTC would be posted as -14%)
ATTRIBUTE_UNITS	"%"
ANNOTATION	Narrative text (see standard Z.2.3)
TIME_OF_LAST_UPDATE	Time stamp of when this posted data was last updated

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

The following are the **systemdata** template Data Element requirements for providing information on ATC annotations for instances where monthly or yearly ATC is posted at zero (0) for more than six (6) months:

Data Element	Restriction/Requirement
POSTING_REF	The unique OASIS identifier assigned to the posting
SYSTEM_ELEMENT_TYPE	"PATH"
SYSTEM_ELEMENT	Name of the path associated with the posted ATC component value
SYSTEM_ATTRIBUTE	"ATC_NARRATIVE"
START_TIME	Date and time that the posted ATC initially became zero, which may be prior to the date of the ATC narrative posting
STOP_TIME	Date and time when the posted ATC is expected to be greater than zero. If such date and time is unknown, then a null value shall be returned for STOP_TIME.
ATTRIBUTE_VALUE	0
ATTRIBUTE_UNITS	"MW"



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ**

Requesters: ESS/ITS/BPS Subcommittees

**Request No.: 2008 AP Item 2.b.v.3 & 2008 AP Item
2.a.i.3**

Request Title: ATC/TTC Narratives

Data Element	Restriction/Requirement
ANNOTATION	Narrative text (see standard Y.2.3)

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

Note: Need to also change WEQ003 definitions/data elements and WEQ013-3.3.1 data elements and WEQ002-4.3.4.4.

013-3.3.1 ATC Related Query/Response Requirements

Transmission Providers that compute Available Transfer Capability on a contract or rated path basis shall provide data associated with the following SYSTEM_ATTRIBUTE values:

- TTC – Total Transfer Capability
- CBM – Capacity Benefit Margin
- FTRM – Transmission Reliability Margin for use in FATC
- NFTRM – Transmission Reliability Margin for use in NFATC
- FATC –Firm Available Transfer Capability
- NFATC –Non-Firm Available Transfer Capability
- ATC_ANNOTATION – Annotation for a change in monthly or yearly posted ATC
- {registered} – Provider defined attributes necessary for posting required data

The SYSTEM_ELEMENT_TYPE and SYSTEM_ELEMENT shall be used as follows:

- SYSTEM_ELEMENT_TYPE = PATH
- SYSTEM_ELEMENT = Name of the path associated with the posted ATC component value

Posting of ATC component data and annotations via the **systemdata** template shall comply with all applicable regulations and business practices.



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ**

Requesters: ESS/ITS/BPS Subcommittees

Request No.: 2008 AP Item 2.b.v.3 & 2008 AP Item 2.a.i.3

Request Title: ATC/TTC Narratives

The following are the **systemdata** template Data Element requirements for providing ATC component data, i.e., TTC, CBM, FTRM, NFTRM, FATC or NFATC, to the user:

Data Element	Restriction/Requirement
POSTING_REF	The unique OASIS identifier assigned to the posting
SYSTEM_ELEMENT_TYPE	"PATH"
SYSTEM_ELEMENT	Name of the path associated with the posted ATC component value
SYSTEM_ATTRIBUTE	"TTC", "CBM", "FTRM", "NFTRM", "FATC", or "NFATC"
START_TIME	Beginning of interval associated with the posted value
STOP_TIME	End of interval associated with the posted value
ATTRIBUTE_VALUE	Value of the posted ATC component over the interval of START_TIME/STOP_TIME
ATTRIBUTE_UNITS	Units of ATTRIBUTE_VALUE; typically MW
ANNOTATION	Optional at discretion of the Provider; typically null

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

The following are the **systemdata** template Data Element requirements for providing information on ATC annotations for instances where changes in monthly or yearly ATC are a result of a change in TTC greater than 10 %:

Data Element	Restriction/Requirement
POSTING_REF	The unique OASIS identifier assigned to the posting
SYSTEM_ELEMENT_TYPE	"PATH"



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ**

Requesters: ESS/ITS/BPS Subcommittees

Request No.: 2008 AP Item 2.b.v.3 & 2008 AP Item 2.a.i.3

Request Title: ATC/TTC Narratives

Data Element	Restriction/Requirement
SYSTEM_ELEMENT	Name of the path associated with the posted ATC component value
SYSTEM_ATTRIBUTE	"ATC_ANNOTATION"
START_TIME	Time stamp of when path TTC changed by more than 10 %
STOP_TIME	Set equal to START_TIME
ATTRIBUTE_VALUE	New value of TTC on the posted path at START_TIME
ATTRIBUTE_UNITS	Units of ATTRIBUTE_VALUE; typically MW
ANNOTATION	Annotation providing information related to a specific change in ATC that requires the Primary Provider to post a narrative related to that change.
TIME_OF_LAST_UPDATE	Time stamp of when this posted data was last updated

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

The following are the **systemdata** template Data Element requirements for providing information on ATC annotations for instances where monthly or yearly ATC is posted at zero (0) for more than six (6) months:

Data Element	Restriction/Requirement
POSTING_REF	The unique OASIS identifier assigned to the posting
SYSTEM_ELEMENT_TYPE	"PATH"
SYSTEM_ELEMENT	Name of the path associated with the posted ATC component value
SYSTEM_ATTRIBUTE	"ATC_ANNOTATION"
START_TIME	Start date/time of the interval where posted ATC is zero.
STOP_TIME	End of the interval where posted ATC is zero
ATTRIBUTE_VALUE	0



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ

Requesters: ESS/ITS/BPS Subcommittees

Request No.: 2008 AP Item 2.b.v.3 & 2008 AP Item 2.a.i.3

Request Title: ATC/TTC Narratives

Data Element	Restriction/Requirement
ATTRIBUTE_UNITS	Units of ATTRIBUTE_VALUE; typically MW
ANNOTATION	Annotation providing information related to a specific change in ATC that requires the Primary Provider to post a narrative related to that change.

Note: Elements are listed on basis of importance, which may be different from the order required in the template.



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ

Requesters: ESS/ITS/BPS Subcommittees
2008 AP Item 2.b.v.3 & 2008 AP Item 2.a.i.3
Request Title: ATC/TTC Narratives

Request No.:

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	Alias	Field Format : minimum characters {type of ASCII} maximum characters	Restricted Values	Definition of Data Element
SYSTEM_ATTRIBUTE	SYSATTR	0{ALPHANUMERIC}15	Valid Values: CBM FTRM NFTRM TTC FATC NFATC ATC_ANNOTATION ZONE_LOAD_FORECAST SYSTEM_LOAD_FORECAST NATIVE_LOAD_FORECAST ACTUAL_LOAD {Registered}	Type of system data viewed by systemdata template: CBM – Capacity Benefit Margin FTRM – Transmission Reliability Margin for use in FATC NFTRM – Transmission Reliability Margin for use in NFATC TTC – Total Transmission Capability FATC –Firm Available Transmission Capability NFATC – Non-firm Available Transmission Capability ATC_ANNOTATION – Annotation for a change in monthly or yearly posted ATC. ZONE_LOAD_FORECAST –



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ

Requesters: ESS/ITS/BPS Subcommittees
2008 AP Item 2.b.v.3 & 2008 AP Item 2.a.i.3
Request Title: ATC/TTC Narratives

Request No.:

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	Alias	Field Format : minimum characters {type of ASCII} maximum characters	Restricted Values	Definition of Data Element
				Forecast of anticipated Load in a metered zone SYSTEM_LOAD_FORECAST – Forecast of total system wide load within a Balancing Area NATIVE_LOAD_FORECAST – Forecast of portion of total system load forecast for native load portion of total system load within a Balancing Area ACTUAL_LOAD – Actual daily peak load values for the metered Balancing Area or metered Zone within the BA posted after the fact {registered} – Provider specific registered name for the data posted



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE For Quadrant: WEQ

Requesters: ESS/ITS/BPS Subcommittees

Request No.: 2008 AP Item 2.b.v.3 & 2008 AP Item 2.a.i.3

Request Title: ATC/TTC Narratives

002-4.3.4.4 System Data (systemdata)

The System Data (**systemdata**) Template is used to query specific, time varying data that is posted on a SYSTEM_ELEMENT basis. The information specified in SYSTEM_ELEMENT is dependent on SYSTEM_ELEMENT_TYPE. That is, SYSTEM_ELEMENT_TYPE defines how to interpret the value returned for SYSTEM_ELEMENT. The various types of system elements that may be specified with this template are described in the OASIS Data Dictionary, WEQ 003.

The SYSTEM_ATTRIBUTE Data Element defines the type of information returned in ATTRIBUTE_VALUE Data Element. The list of restricted values for SYSTEM_ATTRIBUTE are defined in the OASIS Data Dictionary, WEQ 003. The relationships between and usage of SYSTEM_ELEMENT, SYSTEM_ELEMENT_TYPE and SYSTEM_ATTRIBUTE are described in the OASIS Implementation Guide, WEQ 013-3.3.

Transmission Providers obligated to post values for one or more of the defined SYSTEM_ATTRIBUTES on specific transmission paths over time (e.g., hourly, then daily, etc.) as called forth in FERC regulations shall return these posted values via the **systemdata** Template. If SYSTEM_ATTRIBUTE is omitted in the query, then all attributes defined by the transmission provider are returned, subject to the other query attributes constraints. A given SYSTEM_ATTRIBUTE may take on only one value at any given point in time. Note that TTC and ATC information may also be viewed using the **transoffering** Template at the Transmission Provider's discretion. Offers of service posted by Primary Providers as viewed with the **transoffering** Template should reflect the applicable ATC(s) posted via **systemdata** in the CAPACITY Data Element.

Annotations related to specific changes in posted TTC and/or ATC values shall be denoted by the SYSTEM_ATTRIBUTE of ATC_ANNOTATION, and the specific narrative corresponding to the TTC/ATC postings shall be placed in the ANNOTATION Data Element. The specific values for TTC and/or ATC are posted under the **systemdata** template for the SYSTEM_ATTRIBUTES of TTC, FATC and NFATC, etc.



RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ

Requesters: ESS/ITS/BPS Subcommittees

Request No.: 2008 AP Item 2.b.v.3 & 2008 AP Item 2.a.i.3

Request Title: ATC/TTC Narratives

Template: **systemdata**

1. Query

SYSTEM_ELEMENT_TYPE*
 SYSTEM_ATTRIBUTE*
 START_TIME
 STOP_TIME
 TIME_OF_LAST_UPDATE

2. Response (acknowledgment)

POSTING_REF
 SYSTEM_ELEMENT_TYPE
 SYSTEM_ATTRIBUTE
 START_TIME
 STOP_TIME
 ATTRIBUTE_VALUE
 ATTRIBUTE_UNITS
 ANNOTATION
 TIME_OF_LAST_UPDATE

4. SUPPORTING DOCUMENTATION

a. Description of Request:

In the FERC Order 890 under Docket Nos. RM05-17-000 and RM05-25-000 dated February 16, 2007, the Commission made the following conclusions about ATC/TTC Narratives:

369. The Commission adopts the NOPR proposal, with the modifications discussed below, to require that the transmission provider post a brief, but specific, narrative explanation of the reason for a change in monthly and yearly ATC values on a constrained path. Rather than requiring a narrative when a monthly or yearly ATC value changes as a result of transactions being reserved, service ending, or the TTC estimate for the path changing by more than 10 percent, we will require a narrative when a

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monthly or yearly ATC value changes only as a result of a 10 percent change in TTC. This will reduce the number of ATC changes for which a narrative will be required and address concerns that the new requirement unduly burdens transmission providers. Any remaining burden is justified by the benefit to transmission customers of receiving timely information regarding changes in TTC that result in changes to ATC. In addition, we adopt NAESB's suggestion that posted information include the (1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network).

370. We reject calls for delays prior to posting data. While commenters allege the possibility of granting others a competitive advantage through the release of "market-sensitive" data, they have proffered no evidence to support the allegation of potential harm.

371. We do require, as suggested in the NOPR, a narrative with regard to monthly or yearly ATC values when ATC remains unchanged at a value of zero for a significant period, and will set that period at six months or longer. This information will be valuable to customers and regulators in assessing the ability of a transmission provider's facilities to meet existing service requests. The information also will provide assurance to customers that the transmission provider is diligent in regularly evaluating ATC on all paths, monitoring persistent constraints and addressing them in its planning processes.

In the FERC Order 890-A under Docket Nos. RM05-17-001, 002 and RM05-25-001, 002 dated December 28, 2007, the Commission made the following conclusions about ATC/TTC Narratives:

123. The Commission affirms the decision in Order No. 890 to require transmission providers to post a brief, but specific, narrative explanation of the reason for a change in monthly or yearly ATC values on a constrained path as a result of a change in TTC of 10 percent or more. As the Commission explained, this will limit the number of ATC changes for which a narrative will be required.

124. We believe that E.ON U.S. overestimates the burden of complying with this requirement. Since TTC standardization is ongoing, it is impossible to identify with precision the steps that will need to be taken to comply with the posting requirement. The appropriate forum to raise concerns regarding the burden of particular TTC calculation requirements is in the NAESB standards development process. In any event, we would



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Request Title: ATC/TTC Narratives

expect that the posting of narratives for changes in monthly and yearly ATC values as a result of a 10 percent change in TTC will be triggered mainly by topology changes resulting from transmission lines and generator in-service status, as well as new facilities additions, that are reported on OASIS.

125. We clarify in response to Southern that transmission providers do not need to list each and every circumstance or occurrence that impacts TTC values from the previous month or year and, instead, may list the primary events that give rise to the update. Again, we expect that TTC changes will generally result from topology changes and, therefore, the primary reasons for an update would be changes in schedules of transmission or generation additions, prolonged outages, or changes in maintenance schedules causing a TTC change of 10 percent. We agree with Southern that the transmission provider should post these narrative explanations on OASIS via a template and data element that is to be defined by NAESB. We direct transmission providers, working through NAESB, to develop the OASIS functionality necessary for such postings. Pending completion of this work by NAESB, we direct transmission providers to post these narrative explanations as comments on OASIS.

126. We deny TDU Systems' request to change the triggering requirement to a 10 percent decrease in ATC. In Order No. 890, the Commission relaxed the ATC narrative reporting requirements proposed in the NOPR due to concerns that the posting of those narratives would become burdensome. We believe the Commission struck the right balance by requiring the posting of narratives only when there is a change in TTC of 10 percent or more and disagree that more limited postings defeats the purpose of the posting obligation.

127. In response to PJM, we reiterate that all transmission providers must comply with this posting requirement. Transmission providers using an AFC calculation method that does not base changes in ATC on changes in TTC may comply with this requirement by posting narrative explanations of the reasons for changes in AFC values as a result of changes in AFC inputs that cause ATC or TTC to change by 10 percent or more. We direct each transmission provider that employs the AFC calculation methodology to provide a statement in the compliance filing required in section II.C describing how the narrative is derived for ATC/TTC postings or, if such information was provided in a prior compliance filing, a reference to that filing.



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2.a.i.3**

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128. We also deny TDU Systems' request to require transmission providers to post a narrative explanation any time ATC values remain at zero for a day for daily service, two business days for weekly service, five business days for monthly or yearly service. The Commission concludes that a six-month trigger for monthly or yearly ATC values more appropriately balances the benefits of increased transparency for the Commission and customers against the burden on transmission providers to make such postings. If the frequency of these postings proves inadequate, the Commission can revisit this requirement in a future order.

WEQ 2008 Annual Plan Item 2.b.v.3

Business practice standards that will set forth how transmission providers will post "explanations of the reason for a change in monthly and yearly ATC values on a constrained path." The standards will include a requirement that the transmission provider posts the reason for the change in a narrative form. The posted information will include "the (1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network)."

The business practices developed to address this item will not require to coordination with the NERC Order 890 reliability standards development

WEQ 2008 Annual Plan Item 2.a.i.3

Annotations For ATC Business Practice Standards associated with S&CP Requirements completed in 2(a)(i)(1)

b. Description of Recommendation:

c. Business Purpose:

d. Commentary/Rationale of Subcommittee(s)/Task Force(s):

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RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
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Request Title: ATC/TTC Narratives

The guiding principal addressed by the ESS/ITS/BPS for Zero ATC Narratives is reflected in the following statement:

The Transmission Provider shall post a Zero ATC Narrative when the ATC for any constrained Posted Path meets the criteria specified in WEQ-001-Y.1. Once the condition(s) leading to the unavailability of ATC triggering the need for posting a Zero ATC Narrative has been posted, the Transmission Provider is only required to update the Zero ATC Narrative every six months if those conditions have not changed. The Transmission Provider shall post a new Zero ATC Narrative if the conditions leading to requiring the posting of such narrative have changed at the time that change in conditions is detected.

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials

February 4-5, 2008

TAB 6

Minor Corrections

- Contained in this section are:
 - The minor correction procedure as approved by the Board of Directors
 - Minor Corrections provided by Mr. Skiba
 - Minor Corrections provided by Mr. Sorenson and Mr. Gilbert
 - Minor Corrections provided by Mr. Wood
- The WEQ EC will be asked to consider the minor corrections for a vote to adopt. The EC members can (1) accept with no changes, (2) accept with changes identified during the meeting, or (3) reject - a status quo position. All actions are a simple majority vote. If the minor correction is adopted, it will be reflected in the appropriate version notes (either published version 1 or final actions).
- The materials in Tab 6 correspond to agenda item 6.

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials

February 4-5, 2008

MINOR CORRECTION PROCESS (EXCERPTED FROM THE NAESB OPERATING PROCEDURES):

D. Minor Clarifications and Corrections to Standards

Minor clarifications and corrections to existing standards include: (a) clarifications or corrections made by a regulatory agency to standards that are of a jurisdictional nature, or by the American National Standards Institute or its successor; (b) clarifications or corrections to the format, appearance, or descriptions of standards in standards documentation; (c) clarifications or corrections to add code values to tables; and (d) clarifications and corrections that do not materially change a standard.

Any request for a minor clarification or correction to an existing standard should be submitted in writing to the executive director. This request shall include a description of the minor clarification or correction and the reason the clarification or correction should be implemented.

1. Processing of Requests

The executive director shall promptly notify the EC and any appropriate subcommittee(s) of the receipt of the request. The members of the applicable quadrant's EC shall promptly determine whether the request meets the definition of a minor clarification or correction. Through the decision of the vice chair of the applicable quadrant, this determination may be delegated to one of the quadrant's subcommittees, with the concurrence of the subcommittee chair, in which case the subcommittee shall make a prompt decision.

If the request is determined to meet the definition of minor clarification or correction, the applicable quadrant's EC, with input from any subcommittee(s) to which the request has been forwarded, shall act on the request within one month of its receipt. A meeting to discuss the request is not required; the decision may be made by notational vote. A simple majority of the votes received shall determine the outcome. The members of the applicable quadrant's EC shall be given at least three working days to consider and vote on the request.

2. Public Notice

The results of the vote on the request for a minor clarification or correction shall be posted on the NAESB website and the members of the applicable quadrant shall be notified of the request by e-mail. If the request has been approved by the applicable quadrant's EC, the notification shall include a brief description of the request, the contact name and number of the requester so that further information can be obtained, and the proposed effective date of the clarification or correction. The proposed effective date of the minor clarification or correction shall normally be one month from the date of the public notice. Any interested party shall have an opportunity to comment on the request, and the comments shall be posted on the NAESB website. The comment period is two weeks.

3. Final Disposition of Approved Requests

If no comments are received on an approved request, the standard shall be clarified or corrected as specified in the approved request on the effective date proposed. If comments are received, they shall be forwarded to the members of the applicable quadrant's EC for consideration. Each comment requires a public written response from the applicable quadrant's EC. The applicable quadrant's EC shall determine whether changes are necessary as a result of the comments. Members of the applicable quadrant's EC shall be given three working days to consider the comments and determine the outcome, which shall be decided by a simple majority of the votes received. A meeting to discuss the request is not required; the decision may be made by notational vote. The standard shall be clarified or corrected in accordance with the outcome of the vote, effective with the completion of voting, and notice thereof shall be posted on the NAESB website.



TO: Rae McQuade
FROM: Ed Skiba, Midwest ISO
RE: Request for Minor Corrections to WEQ Business Practices Version 001
DATE: December 28, 2007

At the September 26, 2007, WEQ Leadership meeting Ed Skiba and Denise Rager were requested to look at potential options to improve the consistency of existing business practices and look at ongoing processes, which could facilitate consistency in the ongoing maintenance of existing, and development of new, business practices. On November 7, 2007, Ed Skiba and Denise Rager met and developed a matrix (Recommendation for Consistency of Business Practice Standards) of potential minor corrections and change requests that could be implemented, which would improve the consistency in the Version 001 WEQ Business Practices. The matrix was presented to the WEQ Leadership team at their December 12, 2007, meeting. The WEQ Leadership team agreed that we should move forward with the drafting the minor corrections and change requests proposed in the matrix. The direction provided was that the minor corrections should be submitted via a single request while the change requests would be submitted by business practice, for example WEQ-001 and WEQ-011 would have separate change requests.

According to the NAESB Operating Procedures – March 20, 2003, a minor correction must meet one or more of the following criteria:

- (a) Clarifications or corrections made by a regulatory agency to standards that are of a jurisdictional nature, or by the American National Standards Institute or its successor;
- (b) Clarifications or corrections to the format, appearance, or descriptions of standards in standards documentation;
- (c) Clarifications or corrections to add code values to tables; and
- (d) Clarifications and corrections that do not materially change a standard.

Each of the proposed minor corrections proposed meet the criteria listed in item (b) and/or (d).

The following minor corrections should be considered by the Executive Committee

WEQ-001

- Remove Business Practices from title. This causes confusion since the entire booklet is also referenced as Business Practice Standards. It is also inconsistent with the table of contents.

WEQ-002

- Remove Business Practices from title. This causes confusion since the entire booklet is also referenced as Business Practice Standards. It is also inconsistent with the table of contents.

WEQ-003

- Remove Business Practices from title. This causes confusion since the entire booklet is also referenced as Business Practice Standards. It is also inconsistent with the table of contents.

WEQ-004

- Change section labeled "Purpose" to "Introduction"



- Appendix A – Move title “Electronic Tagging Service Performance Requirements and Failure Procedures” to the header line.
- Appendix B – Move title “Transaction e-Tag Actions” to the header line.
- Appendix C – Move “Required and Correctable e-Tag Data” to the header line.
- Appendix D – Move “Commercial Timing Table” to the header line.

WEQ-005

- Change section labeled “Purpose” to “Introduction”
- Appendix A – Move title “Examples of Accounting of Jointly Owned Units as Pseudo-Tie or Dynamic Schedule” to the header line.

WEQ-006

- Change section labeled “Purpose” to “Introduction”

WEQ-007

- Change section labeled “Purpose” to “Introduction”
- Appendix A – Move title “Inadvertent Interchange On- and Off-Peak Periods” to the header line.

WEQ-008

- Change section labeled “Purpose” to “Introduction”
- Appendix A – Move title “Examples of On-Path and Off-Path Mitigation” to the header line.
- Appendix B – Move title “Example of Calculations of the Per Generator Method” to the header line.
- Appendix C – Move “Transaction Curtailment Formula” to the header line.
- Appendix D – Move “Regional Differences” to the header line.

WEQ-011

- Re-sequence the Definition of Terms so they are in alphabetical order.

WEQ-012

- In the end notes of the business practice revise the sentence “This document references published works of the Internet Engineering Task Force of The Internet Society.” to “This Business Practice references published works of the Internet Engineering Task Force of The Internet Society.”

WEQ-013

- Remove Business Practices from title. This causes confusion since the entire booklet is also referenced as Business Practice Standards. It is also inconsistent with the table of contents.
- Change section reference “Usage of Terms” to “Definition of Terms”

All Business Practices

- Consistently display all data values in a standard format (all upper case with no quotes). Remove single quotes and double quotes from data values where they occur.
- Consistently format references to sections within a business practice. Within a Business Practice references to section should follow the format "section" section number section name (ex. See section 2.3 Basic OASIS Transaction Handling).



- Consistently format references to sections in another business practice. All references to another Business Practice should follow the same format WEQ-xxx-section number section name (ex. ex. See WEQ-013-2.3 Basic OASIS Transaction Handling).

To: NAESB Office, WEQ Executive Committee Chairs

From: Paul Sorenson, OATI and Gregory W. Gilbert, Southern Company Transmission

Subject: Minor Corrections
 RE: Final Action 2007 WEQ Annual Plan Item 2(ii), Order 890 Work Plan Group 1: Conditional Firm, Annotations For ATC; Load Forecast and Actual Load; Re-Bid of Partial Service; and Preconfirmation Priority – ratified December 19, 2007

Date: January 16, 2008

During separate reviews by Paul Sorenson of OATI and Gregory W. Gilbert of Southern Company Transmission it was determined two minor corrections needed to be made in Final Action 2007 WEQ Annual Plan Item 2(ii), Order 890 Work Plan Group 1: Conditional Firm, Annotations For ATC; Load Forecast and Actual Load; Re-Bid of Partial Service; and Preconfirmation Priority. (Attachment to Recommendation 3-OASIS Implementation Guide, Version 1.5 (WEQ-013-4.1.4) and Attachment to Recommendation 1-OASIS S&CPs, Version 1.5 (WEQ-002-4-2.1.3)). The minor corrections that need to be made are set forth below:

Final Action 2007 Annual Plan Item 2(ii) - Order 890 Work Plan Group 1: Attachment to Recommendation 3-OASIS Implementation Guide (WEQ-013) as revised by the WEQ EC on 11/6/2007 and ratified December 19, 2007.

(Redline) WEQ-013-4.1.4

Resale Business Practice Standards govern what services may be aggregated and offered for resale. The sum of all REASSIGNED_CAPACITY over time must be sufficient to satisfy the capacity granted in ~~OFFER_CAPACITY~~ GRANTED over the interval of ~~OFFER_START_TIME~~ to ~~OFFER_STOP_TIME~~.

(Clean) WEQ-013-4.1.4

Resale Business Practice Standards govern what services may be aggregated and offered for resale. The sum of all REASSIGNED_CAPACITY over time must be sufficient to satisfy the capacity granted in CAPACITY_GRANTED over the interval of START_TIME to STOP_TIME.

Final Action 2007 Annual Plan Item 2(ii) - Order 890 Work Plan Group 1:
Attachment to Recommendation 1-OASIS S&CPs (WEQ-002) as revised by the
WEQ EC on 11/6/2007 and ratified December 19, 2007.

(Redline) WEQ-002-4.2.1.3 Script Names

Example:

To request the hourly ~~schedule~~scheduledetail Template at Primary
Provider WXYZ Co.

http://www.wxyz.com/OASIS/WXYZ/data/~~schedule~~scheduledetail
?templ=~~schedule~~scheduledetail& ver=1.2& fmt=data
&stime=19960412040000PD &sptime=19960412100000PD&
pprov=wxyz

(Clean) WEQ-002-4.2.1.3 Script Names

Example:

To request the hourly scheduledetail Template at Primary Provider
WXYZ Co.

http://www.wxyz.com/OASIS/WXYZ/data/scheduledetail
?templ=scheduledetail& ver=1.2& fmt=data
&stime=19960412040000PD &sptime=19960412100000PD&
pprov=wxyz

To: NAESB Office, WEQ Executive Committee Chairs

From: JT Wood, Principal Engineer, Southern Company Services, Inc.

Subject: Minor Corrections
 RE: Final Action WEQ 2007 Annual Plan Item 2(c), Modifications to WEQ-001 to comply with modifications to 18 C.F.R. 37.6 and 37.7 within Order 890 – ratified December 19, 2008

Date: January 30, 2008

During a review of FERC Order 890A it was determined the following minor corrections needed to be made in Final Action 2007 WEQ Annual Plan Item 2(c) – Attachment Order 890 modifications to WEQ-001, due to changes in part 37, Chapter I, Title 18 of the Code of Federal Regulations. The minor correction will follow the same wordings as stated in the Code of Federal Regulation. The minor corrections that need to be made are set forth below:

Paragraph (b)(3)(iv) is revised (page 4)
 Paragraph (h)(1) is revised (page 8)
 Paragraph (h)(3) is revised (page 11)
 Paragraph (i) is revised (page 11)

Final Action 2007 WEQ Annual Plan Item 2(c) – Attachment Order 890
 Modifications to WEQ-001 - **(Redline)**

001-1.6 Information to be posted on the OASIS.

(a) The information posted on the OASIS must be in such detail and the OASIS must have such capabilities as to allow Transmission Customers to:

- (1) Make requests for transmission services offered by Transmission Providers, Resellers and other providers of ancillary services, request the designation of a network resource, and request the termination of the designation of a network resource;
- (2) View and download in standard formats, using standard protocols, information regarding the transmission system necessary to enable prudent business decision making;
- (3) Post, view, upload and download information regarding available products and desired services;

- (4) Clearly identify the degree to which transmission service requests or schedules were denied or interrupted;
- (5) Obtain access, in electronic format, to information to support available transmission capability calculations and historical transmission service requests and schedules for various audit purposes; and
- (6) Make file transfers and automated computer-to-computer file transfers and queries as defined by the Standards and Communications Protocols Document.

(b) Posting transfer capability. The available transfer capability on the Transmission Provider's system

(ATC) and the total transfer capability (TTC) of that system shall be calculated and posted for each Posted Path as set out in this section.

(1) Definitions. For purposes of this section the terms listed below have the following meanings:

(i) Posted path means any control area to control area interconnection; any path for which service is denied, curtailed or interrupted for more than 24 hours in the past 12 months; and any path for which a customer requests to have ATC or TTC posted. For this last category, the posting must continue for 180 days and thereafter until 180 days have elapsed from the most recent request for service over the requested path. For purposes of this definition, an hour includes any part of an hour during which service was denied, curtailed or interrupted.

(ii) Constrained posted path means any posted path having an ATC less than or equal to 25 percent of TTC at any time during the preceding 168 hours or for which ATC has been calculated to be less than or equal to 25 percent of TTC for any period during the current hour or the next 168 hours.

(iii) Unconstrained posted path means any posted path not determined to be a constrained posted path.

(iv) The word interconnection, as used in the definition of "posted path", means all facilities connecting two adjacent systems or control areas.

(v) Available transfer capability or ATC means the transfer capability remaining in the physical transmission network for further commercial activity over and above already committed uses, or such definition as contained in Commission-approved Reliability Standards.

(vi) Total transfer capability or TTC means the amount of electric power that can be moved or transferred reliably from one area to another area of the interconnected transmission systems by way of all transmission lines (or paths) between those areas under specified system conditions, or such definition as contained in Commission-approved Reliability Standards.

(vii) Capacity Benefit Margin or CBM means the amount of TTC preserved by the Transmission Provider for load-serving entities, whose loads are located on that Transmission Provider's system, to enable access by the load-serving entities to generation from interconnected systems to meet generation reliability requirements, or such definition as contained in Commission-approved Reliability Standards.

(viii) Transmission Reliability Margin or TRM means the amount of TTC necessary to provide reasonable assurance that the interconnected transmission

network will be secure, or such definition as contained in Commission-approved Reliability Standards.

(2) Calculation methods, availability of information, and requests.

(i) Information used to calculate any posting of ATC and TTC must be dated and time-stamped and all calculations shall be performed according to consistently applied methodologies referenced in the Transmission Provider's transmission tariff and shall be based on Commission-approved Reliability Standards as well as current industry practices, standards and criteria.

(ii) On request, the Responsible Party must make all data used to calculate ATC, TTC, CBM, and TRM for any constrained posted paths publicly available (including the limiting element(s) and the cause of the limit (e.g., thermal, voltage, stability), as well as load forecast assumptions) in electronic form within one week of the posting. The information is required to be provided only in the electronic format in which it was created, along with any necessary decoding instructions, at a cost limited to the cost of reproducing the material. This information is to be retained for six months after the applicable posting period.

(iii) System planning studies, facilities studies, and specific network impact studies performed for customers or the Transmission Provider's own network resources

are to be made publicly available in electronic form on request and a list of such studies shall be posted on the OASIS. A study is required to be provided only in the electronic format in which it was created, along with any necessary decoding instructions, at a cost limited to the cost of reproducing the material. These studies are to be retained for five years.

(3) Posting. The ATC, TTC, CBM, and TRM for all Posted Paths must be posted in megawatts by specific direction and in the manner prescribed in this subsection.

(i) Constrained posted paths—

(A) For Firm ATC and TTC.

(1) The posting shall show ATC, TTC, CBM, and TRM for a 30day period. For this period postings shall be: by the hour, for the current hour and the 168 hours next following; and thereafter, by the day. If the Transmission Provider charges separately for on-peak and off-peak periods in its tariff, ATC, TTC, CBM, and TRM will be posted daily for each period.

(2) Postings shall also be made by the month, showing for the current month and the 12 months next following.

(3) 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.

(B) For Non-Firm ATC and TTC. The posting shall show ATC, TTC, CBM, and TRM for a 30-day period by the hour and days prescribed under paragraph

(b)(3)(i)(A)(1) of this standard and, if so requested, by the month and year as prescribed under paragraph (b)(3)(i)(A) (2) and (3) of this standard. The posting of non-firm ATC and TTC shall show CBM as zero.

(C) Updating Posted Information for Constrained Paths.

(1) The capability posted under paragraphs (b)(3)(i)(A) and (B) of this standard must be updated when transactions are reserved or service ends or whenever the TTC estimate for the Path changes by more than 10 percent. (2) All updating of hourly information shall be made on the hour.

(3) When the monthly and yearly capability posted under paragraphs (b)(3)(i)(A) and (B) of this section are updated because of a change in TTC by more than 10 percent, the Transmission Provider shall post a brief, but specific, narrative explanation of the reason for the update. This narrative should include, the specific events which gave rise to the update (e.g., scheduling of planned outages and occurrence of forced transmission outages, de-ratings of transmission facilities, scheduling of planned generation outages and occurrence of forced generation outages, changes in load forecast, changes in new facilities' in-service dates, or other events or assumption changes) and new values for ATC on the path (as opposed to all points on the network).

(4) When the monthly and yearly capability posted under paragraphs (b)(3)(i)(A) and (B) remain unchanged at a value of zero for a period of six months, the Transmission Provider shall post a brief, but specific, narrative explanation of the reason for the unavailability of ATC.

(ii) Unconstrained posted paths.

(A) Postings of firm and non-firm ATC, TTC, CBM, and TRM shall be posted separately by the day, showing for the current day and the next six days following and thereafter, by the month for the 12 months next following. If the Transmission Provider charges separately for on-peak and off-peak periods in its tariff, ATC, TTC, CBM, and TRM will be posted separately for the current day and the next six days following for each period. These postings are to be updated whenever the ATC changes by more than 20 percent of the Path's TTC.

(B) 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 until the end of the planning horizon but not to exceed 10 years.

(iii) Calculation of CBM.

(A) The Transmission Provider must reevaluate its CBM needs at least every year.

(B) The Transmission Provider must post its practices for reevaluating its CBM needs.

(iv) Daily load. The Transmission Provider must post on a daily basis, [its load forecast, including underlying assumptions, and its](#) actual daily peak load for the prior day.

(c) Posting Transmission Service Products and Prices.

(1) Transmission Providers must post prices and a summary of the terms and conditions associated with all transmission products offered to Transmission Customers.

(2) Transmission Providers must provide a downloadable file of their complete tariffs in the same electronic format as the tariff that is filed with the Commission. Transmission Providers also must provide a link to all of the rules, standards and

practices that relate to transmission services posted on the Transmission Providers' public websites.

(3) Any offer of a discount for any transmission service made by the Transmission Provider must be announced to all potential customers solely by posting on the OASIS.

(4) For any transaction for transmission service agreed to by the Transmission Provider and a customer, the Transmission Provider (at the time when ATC must be adjusted in response to the transaction), must post on the OASIS (and make available for download) information describing the transaction (including: price; quantity; points of receipt and delivery; length and type of service; identification of whether the transaction involves the Transmission Provider's wholesale merchant function or any affiliate; identification of what, if any, ancillary service transactions are associated with this transmission service transaction; and any other relevant terms and conditions) and shall keep such information posted on the OASIS for at least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in Standard 1.7.

(5) Customers choosing to use the OASIS to offer for resale transmission capacity they have purchased must post relevant information to the same OASIS as used by the Transmission Provider from whom the Reseller purchased the transmission capacity. This information must be posted on the same display page, using the same tables, as similar capability being sold by the Transmission Provider, and the information must be contained in the same downloadable files as the Transmission Provider's own available capability. A customer reselling transmission capacity without the use of an OASIS must, nevertheless, inform the original Transmission Provider of the transaction within any time limits prescribed by the Transmission Provider's tariff or in a contract or service agreement between the Transmission Provider and a customer.

(d) Posting Ancillary Service Offerings and Prices.

(1) Any ancillary service required to be provided or offered under the pro forma tariff required under currently applicable regulations must be posted with the price of that service.

(2) Any offer of a discount for any ancillary service made by the Transmission Provider must be announced to all potential customers solely by posting on the OASIS.

(3) For any transaction for ancillary service agreed to by the Transmission Provider and a customer, the Transmission Provider (at the time when ATC must be adjusted in response to an associated transmission service transaction, if any), must post on the OASIS (and make available for download) information describing the transaction (including: date and time when the agreement was entered into; price; quantity; length and type of service; identification of whether the transaction involves the Transmission Provider's wholesale merchant function or any affiliate; identification of what, if any, transmission service transactions are associated with this ancillary service transaction; and any other relevant terms and conditions) and shall keep such information posted on the OASIS for at least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in Standard 1.7.

(4) Any other interconnected operations service offered by the Transmission Provider may be posted, with the price for that service.

(5) Any entity offering an ancillary service shall have the right to post the offering of that service on the OASIS if the service is one required to be offered by the Transmission Provider under their pro forma tariff. Any entity may also post any other interconnected operations service voluntarily offered by the Transmission Provider. Postings by customers and third parties must be on the same page, and in the same format, as postings of the Transmission Provider.

(e) Posting specific transmission and ancillary service requests and responses—
(1) General rules.

(i) All requests for transmission and ancillary service offered by Transmission Providers under the pro forma tariff, including requests for discounts, and all requests to designate or terminate a network resource, must be made on the OASIS, and posted prior to the Transmission Provider responding to the request, except as discussed in paragraphs (e)(1) (ii) and (iii) of this standard. The Transmission Provider must post all requests for transmission service, for ancillary service, and for the designation or termination of a network resource comparably. Requests for transmission, ancillary service, and to designate and terminate a network resource, as well as the responses to such requests, must be conducted in accordance with the Transmission Provider's tariff and all currently applicable laws and regulations.

(ii) The requirement in paragraph (e)(1)(i) of this standard, to post requests for transmission and ancillary service offered by Transmission Providers under the pro forma tariff, including requests for discounts, prior to the Transmission Provider responding to the request, does not apply to requests for next-hour service made during Phase I.

(iii) In the event that a discount is being requested for ancillary services that are not in support of basic transmission service provided by the Transmission Provider, such request need not be posted on the OASIS.

(iv) In processing a request for transmission or ancillary service, the Responsible Party shall post the same information as required in Standard 1.6(c)(4), and Standard 1.6(d)(3) and the following information: the date and time when the request is made, its place in any queue, the status of that request, and the result (accepted, denied, withdrawn). In processing a request to designate or terminate the designation of a network resource, the Responsible Party shall post the date and time when the request is made.

(v) For any request to designate or terminate a network resource, the Transmission Provider (at the time when the request is received), must post on the OASIS (and make available for download) information describing the request (including: name of requestor, identification of the resource, effective time for the designation or termination, identification of whether the transaction involves the Transmission Provider's wholesale merchant function or any affiliate; and any other relevant terms and conditions) and shall keep such information posted on the OASIS for at least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in WEQ 001- 1.7.

(vi) The Transmission Provider shall post a list of its current designated network resources and all network customers' current designated network resources on OASIS. The list of network resources should include the name of the resource, its geographic and electrical location, its total installed capacity, and the amount of capacity to be designated as a network resource.

(2) Posting when a request for transmission service is denied.

(i) When a request for service is denied, the Responsible Party must provide the reason for that denial as part of any response to the request.

(ii) Information to support the reason for the denial, including the operating status of relevant facilities, must be maintained for five years and provided, upon request, to the potential Transmission Customer and the Commission's staff.

(iii) Any offer to adjust operation of the Transmission Provider's System to accommodate the denied request must be posted and made available to all Transmission Customers at the same time.

(3) Posting when a transaction is curtailed or interrupted.

(i) When any transaction is curtailed or interrupted, the Transmission Provider must post notice of the curtailment or interruption on the OASIS, and the Transmission Provider must state on the OASIS the reason why the transaction could not be continued or completed.

(ii) Information to support any such curtailment or interruption, including the operating status of the facilities involved in the constraint or interruption, must be maintained and made available upon request, to the curtailed or interrupted customer, the Commission's Staff, and any other person who requests it, for five years.

(iii) Any offer to adjust the operation of the Transmission Provider's system to restore a curtailed or interrupted transaction must be posted and made available to all curtailed and interrupted Transmission Customers at the same time.

(f) Posting Transmission Service Schedules Information. Information on transmission service schedules must be recorded by the entity scheduling the transmission service and must be available on the OASIS for download. Transmission service schedules must be posted no later than seven calendar days from the start of the transmission service.

(g) Posting Other Transmission-Related Communications.

(1) The posting of other communications related to transmission services must be provided for by the Responsible Party. These communications may include "want ads" and "other communications" such as using the OASIS as a Transmission-related conference space or to provide transmission-related messaging services between OASIS users). Such postings carry no obligation to respond on the part of any market participant.

(2) The Responsible Party is responsible for posting other transmission-related communications in conformance with the instructions provided by the third party on whose behalf the communication is posted. It is the responsibility of the third party requesting such a posting to ensure the accuracy of the information to be posted.

(3) Notices of transfers of personnel shall be posted as described in Standard WEQBPS-007-000 4(c). The posting requirements are the same as those provided in Standard 1.7 for audit data postings.

(4) Logs detailing the circumstances and manner in which a Transmission Provider or Responsible Party exercised its discretion under any terms of the tariff shall be posted as described in Standard WEQBPS-007-000 5(c)(4). The posting requirements are the same as those provided in Standard 1.7 for audit data postings.

(h) Posting information summarizing the time to complete transmission service request studies.

(1) For each calendar quarter, the Responsible Party must post the set of measures detailed in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section related to the Responsible Party's processing of transmission service request system impact studies and facilities studies. The Responsible Party must calculate and post the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section ~~separately~~ for requests for short-term firm point-to-point transmission service, requests for long-term firm point-to-point transmission service, and requests to designate a new network resource or network load. When calculating the measures in paragraph (h)(1)(i) through paragraph (h)(1)(iv) of this section, the Responsible Party may aggregate requests for short-term firm point-to-point service and requests for long-term firm point-to-point service, but ~~and~~ must ~~be~~ calculated and posted measures separately for transmission service requests from Affiliates and transmission service requests from Transmission Customers who are not Affiliates. The Responsible Party is required to include in the calculations of the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section all studies the Responsible Party conducts of transmission service requests on another Transmission Provider's OASIS.

(i) Process time from initial service request to offer of system impact study agreement.

(A) Number of new system impact study agreements delivered during the reporting quarter to entities that request transmission service,

(B) Number of new system impact study agreements delivered during the reporting quarter to entities that request transmission service more than thirty (30) days after the Responsible Party received the request for transmission service,

(C) Mean time (in days), for all requests acted on by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the request for transmission service to when the Responsible Party changed the transmission service request status to indicate that the Responsible Party could offer transmission service or needed to perform a system impact study,

(D) Mean time (in days), for all system impact study agreements delivered by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the request for transmission service to the date when the Responsible Party delivered a system impact study agreement, and

(E) Number of new system impact study agreements executed during the reporting quarter.

(ii) System impact study processing time.

(A) Number of system impact studies completed by the Responsible Party during the reporting quarter,

(B) Number of system impact studies completed by the Responsible Party during the reporting quarter more than 60 days after the Responsible Party received an executed system impact study agreement,

(C) For all system impact studies completed more than 60 days after receipt of an executed system impact study agreement, average number of days study was delayed due to transmission customer's actions (e.g., delays in providing needed data),

(D) Mean time (in days), for all system impact studies completed by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the executed system impact study agreement to the date when the Responsible Party provided the system impact study to the entity who executed the system impact study agreement, and

(E) Mean cost of system impact studies completed by the Responsible Party during the reporting quarter.

(iii) Transmission service requests withdrawn from the system impact study queue.

(A) Number of transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter,

(B) Number of transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter more than 60 days after the Responsible Party received the executed system impact study agreement, and

(C) Mean time (in days), for all transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter, from the date the Responsible Party received the executed system impact study agreement to date when request was withdrawn from the Responsible Party's system impact study queue.

(iv) Process time from completed system impact study to offer of facilities study.

(A) Number of new facilities study agreements delivered during the reporting quarter to entities that request transmission service,

(B) Number of new facilities study agreements delivered during the reporting quarter to entities that request transmission service more than thirty (30) days after the Responsible Party completed the system impact study,

(C) Mean time (in days), for all facilities study agreements delivered by the Responsible Party during the reporting quarter, from the date when the Responsible Party completed the system impact study to the date when the Responsible Party delivered a facilities study agreement, and

(D) Number of new facilities study agreements executed during the reporting quarter.

(v) Facilities study processing time.

- (A) Number of facilities studies completed by the Responsible Party during the reporting quarter,
 - (B) Number of facilities studies completed by the Responsible Party during the reporting quarter more than 60 days after the Responsible Party received an executed facilities study agreement,
 - (C) For all facilities studies completed more than 60 days after receipt of an executed facilities study agreement, average number of days study was delayed due to transmission customer's actions (e.g., delays in providing needed data),
 - (D) Mean time (in days), for all facilities studies completed by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the executed facilities study agreement to the date when the Responsible Party provided the facilities study to the entity who executed the facilities study agreement,
 - (E) Mean cost of facilities studies completed by the Responsible Party during the reporting quarter, and
 - (F) Mean cost of upgrades recommended in facilities studies completed during the reporting quarter.
 - (vi) Service requests withdrawn from facilities study queue.
 - (A) Number of transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting quarter,
- Docket Nos. RM05-17-000 and RM05-25-000 - 1057 -
- (B) Number of transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting quarter more than 60 days after the Responsible Party received the executed facilities study agreement, and
 - (C) Mean time (in days), for all transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting quarter, from the date the Responsible Party received the executed facilities study agreement to date when request was withdrawn from the Responsible Party's facilities study queue
- (2) The Responsible Party is required to post the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section for each calendar quarter within 15 days of the end of the calendar quarter. The Responsible Party will keep the quarterly measures posted on OASIS for three calendar years.
- (3) The Responsible Party will be required to post on OASIS the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section in the event the Responsible Party, for two consecutive calendar quarters, completes more than twenty (20) percent of the studies associated with requests for transmission service from entities that are not Affiliates of the Responsible Party more than sixty (60) days after the Responsible Party delivers the appropriate study agreement. The Responsible Party will have to post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section until it processes at least ninety (90) percent of all studies within 60 days after it has received the appropriate executed study agreement. For the purposes of calculating the percent of studies completed more than sixty (60) days after the Responsible Party delivers the appropriate study agreement, the Responsible Party should aggregate all system impact studies and facilities studies that it completes during

the reporting quarter. ~~The Responsible Party must calculate and post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section separately for requests for short-term firm point-to-point transmission service, long-term firm point-to-point transmission service, and requests to designate a new network resource and must be calculated and posted separately for transmission service requests from Affiliates and transmission service requests from Transmission Customers who are not Affiliates.~~

- (i) Mean, across all system impact studies the Responsible Party completes during the reporting quarter, of the employee-hours expended per system impact study the Responsible Party completes during reporting period;
- (ii) Mean, across all facilities studies the Responsible Party completes during the reporting quarter, of the employee-hours expended per facilities study the Responsible Party completes during reporting period;
- (iii) The number of employees the Responsible Party has assigned to process system impact studies;
- (iv) The number of employees the Responsible Party has assigned to process facilities studies.

(4) The Responsible Party is required to post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section for each calendar quarter within 15 days of the end of the calendar quarter. The Responsible Party will keep the quarterly measures posted on OASIS for five calendar years.

(i) Posting data related to grants and denials of service. The Responsible Party is required to post data each month listing, by path or flow-gate, the number of transmission service requests that have been accepted and the number of transmission service requests that have been denied during the prior month. This posting must distinguish between the length of the service request (e.g., short-term or long-term requests) and between the type of service requested (e.g., firm point-to-point, non firm point-to-point or network service). The posted data must show:

- (1) The number of non-Affiliate requests for transmission service that have been rejected,
- (2) The total number of non-Affiliate requests for transmission service that have been made,

(3) The number of Affiliate requests for transmission service, including requests by the transmission provider's merchant function to designate a network resource or to procure secondary network service, that have been rejected, and

(4) The total number of Affiliate requests for transmission service, including requests by the transmission provider's merchant function to designate, or terminate the designation of, a network resource or to procure secondary network service, that have been made.

(j) Posting redispatch data.

- (1) The Transmission Provider must allow the posting on OASIS of any third party offer to relieve a specified congested transmission facility.
- (2) The Transmission Provider must post on OASIS (i) its monthly average cost of planning and reliability redispatch, for which it invoices customers, at each internal transmission facility or interface over which it provides redispatch service

and (ii) a high and low redispatch cost for the month for each of these same transmission facilities. The transmission provider must post this data on OASIS as soon as practical after the end of each month, but no later than when it sends invoices to transmission customers for redispatch-related services.

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials

February 4-5, 2008

TAB 7

Specific Issues Updates

- The synopsis of specific standards development activities is included. The materials are provided for discussion purposes and no action is required of the WEQ EC members. Updates are provided for:
 - Order 890 Plan - the work plan and Order No. 890-A Cites
 - DSM-EE efforts – the retail plan and matrix and the wholesale plan and matrix
 - Version 1.0 – the submittal to the FERC made 12-21-07
- The materials in Tab 7 correspond to agenda item 7.

North American Energy Standards Board

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Order 890 Work Plan				
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
ATC GROUP ASSIGNMENTS (ESS/ITS and BPS)				
243, 244, 246	Business Practice Standards complementary to NERC Reliability Standards for Existing Transfer Capability (ETC) to create a “consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses”, including the elements of ETC for full implementation of the NERC MOD-001 reliability standard* Paragraphs 243, 244, and 246 will require coordination with the NERC Order 890 reliability standards development *Posting requirements for ETC assigned to ESS/ITS (see 2008 AP 2(a)(vi)(4) and Order 890 WP, Group 6)	WEQ 2008 Annual Plan Item 2(b)(ii)(1)	These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed: FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 2nd Quarter, 2008 RATIFICATION: July, 2008	The NAESB ESS/ITS and BPS are working to draft complementary business practices to the NERC MOD028, MOD029, and MOD030, which includes ETC. The NERC team has determined that there is not a need for explicit posting of ETC values; the ESS/ITS and BPS supports the decision. The ETC components will be posted as necessary. After review of this work plan item, the joint ESS/ITS/BPS ATC working group determined that discussions on practices must be convened for each of the ETC requirements in NERC standards to determine if additional Business Practices are needed. NERC has requested that NAESB practices address post-back requirements. (8/16/07)

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Order 890 Work Plan				
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
293	Business practice standards for accounting for counterflows. These standards will be included in the ATC business practice standards (Paragraph 293 will require coordination with the NERC Order 890 reliability standards development)	WEQ 2008 Annual Plan Item 2(b)(ii)(2)	These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed: FORMAL COMMENT: 2nd Q 2008 WEQ EC VOTE: 2nd Quarter, 2008 RATIFICATION: July, 2008	The ESS/ITS and BPS have created a list of items that are considered post-backs to be used in the creation of post-back requirements.

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Order 890 Work Plan				
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
257	Capacity Benefit Margin (CBM) Business Practices Business practice standards to set forth “how the CBM value shall be determined, allocated across transmission paths, and used” and how transmission providers will “reflect the set-aside of transfer capability as CBM in the development of the rate for point-to-point transmission service.” (Paragraph 257 will require coordination with the NERC Order 890 reliability standards development)	WEQ 2008 Annual Plan Item 2(b)(iii)(1)	These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed: FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 2nd Quarter, 2008 RATIFICATION: July, 2008	The ESS/ITS and BPS have begun identifying complementary business practices to NERC MOD004. The ESS/ITS and BPS have identified the NAESB business practice standards that will be needed to address CBM, including where the CBM value shall be posted; how to allocate priority use of CBM; how to allocate the amount of CBM; the ability to audit CBM usage; a new request type on OASIS to distinguish a CBM reservation; and for the posting of CBM on the OASIS systemdata template.
262	Business practice standards that include an OASIS mechanism to “allow for auditing of CBM usage.” (Paragraph 262 does not require coordination with the NERC Order 890 reliability standards development) ED COMMENT: If we are using existing templates and the existing templates have corresponding “Audit Templates”, I’m not sure what additional work needs to be done.	WEQ 2008 Annual Plan Item 2(b)(iii)(2)	FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 2ND Quarter, 2008 RATIFICATION: July, 2008	The ESS/ITS and BPS are continuing to evaluate and review the templates and practices for CBM, including auditing of CBM usage. 8/16/07

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Order 890 Work Plan				
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
	Any additional business practice standards needed to complement the NERC CBM reliability standards (MOD004) created as a result of this effort. (This item is a catchall section in case there are areas where business practices are needed as a result of the NERC CBM reliability standards. This item will require coordination with the NERC Order 890 reliability standards development).	WEQ 2008 Annual Plan Item 2(b)(iii)(3)	These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed: FORMAL COMMENT: 2ND Quarter, 2008 WEQ EC VOTE: 2nd Quarter, 2008 RATIFICATION: July 2008	The ESS/ITS and BPS have begun identifying complementary business practices to NERC MOD004.
272	Transmission Reliability Margin (TRM): Business Practice Standards to complement the NERC reliability standards for TRM (Paragraph 272 will require coordination with the NERC Order 890 reliability standards development)	WEQ 2008 Annual Plan Item 2(b)(iv) (1)	These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed: FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 2nd Quarter, 2008 RATIFICATION: July 2008	The ESS/ITS and BPS have begun identifying complementary business practices to NERC MOD008. The ESS/ITS and BPS are continuing to evaluate and review the templates and practices for TRM, 8/16/07

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Order 890 Work Plan				
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
273	The TRM business practice standards will include specification of the appropriate uses of TRM and when transmission providers may set aside TRM (Paragraph 273 will require coordination with the NERC Order 890 reliability standards development)	WEQ 2008 Annual Plan Item 2(b)(iv)(2)	These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed: FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 2nd Quarter, 2008 RATIFICATION: July 2008	The ESS/ITS and BPS have begun identifying complementary business practices to NERC MOD008. The ESS/ITS and BPS are continuing to evaluate and review the templates and practices for TRM, 8/16/07
	Any additional business practice standards needed to complement the NERC TRM reliability standards (MOD008) created as a result of this effort (This item is a catchall section in case there are areas where business practices are needed as a result of the NERC TRM reliability standards. This item will require coordination with the NERC Order 890 reliability standards development).	WEQ 2008 Annual Plan Item 2(b)(iv)(3)	These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed: FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 2nd Quarter, 2008 RATIFICATION: 2nd Quarter, 2008	The ESS/ITS and BPS have begun identifying complementary business practices to NERC MOD008. The ESS/ITS and BPS are continuing to evaluate and review the templates and practices for TRM, 8/16/07

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Order 890 Work Plan				
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
301,	Business Practice Standards for ATC and AFC Calculation Methodologies to complement the NERC reliability standards created for ATC and AFC Methodologies (NERC MOD001 (Available Transfer Capability); NERC MOD028 (Network Response Available Transfer Capability); NERC MOD029 (Rated System Path Available Transfer Capability); and NERC MOD030 (Flowgate Network Response Available Transfer Capability)): Business practice standards to address the frequency and posting requirements for all ATC components that are complementary to the related NERC reliability standards (Paragraph 301 will require coordination with the NERC Order 890 reliability standards development)	WEQ 2008 Annual Plan Item 2(b)(v)(1)	These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed: FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 2nd Quarter, 2008 RATIFICATION: July 2008	The ESS/ITS and BPS has drafted several sets of language and is in the process of coordinating alignment with the NERC ATC Drafting Team.
310	Business practice standards for data exchange for ATC modeling complementary to the related NERC reliability standards including any OASIS posting requirements to achieve the data exchange (Paragraph 310 will require coordination with the NERC Order 890 reliability standards development)	WEQ 2008 Annual Plan Item 2(b)(v)(2)	These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed: FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 2nd Quarter, 2008 RATIFICATION: 2nd Quarter, 2008	NERC will be addressing data exchange standards and will identify any new OASIS posting requirements or template query requirements which are needed in order to facilitate data exchange for ATC modeling

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Order 890 Work Plan				
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
369	Business practice standards that will set forth how transmission providers will post “explanations of the reason for a change in monthly and yearly ATC values on a constrained path.” The standards will include a requirement that the transmission provider post the reason for the change in a narrative form. The posted information will include “the (1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network).” (Paragraph 369 will not require coordination with the NERC Order 890 reliability standards development) Although not specified in the WEQ 2008 AP, it is expected that this standard will also contain requirements associated with annotations when ATC remains at zero for six months or longer.	WEQ 2008 Annual Plan Item 2(b)(v)(3)	FORMAL COMMENT: 1st Quarter, 2008 WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: July 2008	Anticipate posting for formal comment in January, 2008.
413	Business practice standards for posting on OASIS of the “underlying load forecast assumptions for all ATC calculations” (Paragraph 413 will not require coordination with the NERC Order 890 reliability standards development)	WEQ 2008 Annual Plan Item 2(b)(v)(4)	These dates are dependent on NERC providing responses to questions forwarded to NERC by the BPS/ESS/ITS. FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 2nd Quarter, 2008 RATIFICATION: July 2008	Awaiting responses to questions forwarded to NERC.

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Order 890 Work Plan				
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
405	Business practice standards for posting on OASIS of the “actual daily peak load for the prior day.” (Paragraph 405 will not require coordination with the NERC Order 890 reliability standards development)	WEQ 2008 Annual Plan Item 2(b)(v)(5)	FORMAL COMMENT: 1 st Quarter, 2008 WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: July 2008	Anticipate posting for informal comment in January, 2008
	Business practice standards to complement NERC reliability standards for Transfer Capability in response to new NERC Supplemental SAR: Revisions to Existing Standards MOD001-MOD009, FAC12-13 (This item was added as a result of the Supplemental SAR NERC created in case additional business practices are needed as a result of the work on this SAR by NERC. It does not have a cite in Order 890. This item will require coordination with the NERC Order 890 reliability standards development).	WEQ 2008 Annual Plan Item 2 (b)(vi)(1)	These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed: FORMAL COMMENT: 2 nd Quarter, 2008 WEQ EC VOTE: 2 nd Quarter, 2008 RATIFICATION: July 2008	

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Order 890 Work Plan				
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
	Business practice standards to set forth the procedure for input on TTC and ATC methodologies and values. (During the Order 890 NERC and NAESB joint standards development effort, it was determined that the standards contained in MOD003 should be business practice standards instead of reliability standards. NERC has requested that NAESB adopt the standards as business practices via correspondence to Ms. McQuade, NAESB President.) This item will require coordination with the NERC Order 890 reliability standards development because the language to address this item is contained within a draft standard that addresses items that are dependent on NERC deliverables, i.e., the requirements to create an “ATC Information Link” on OASIS. There is no Order 890 cite for this item.	WEQ 2008 Annual Plan Item 2 (b)(vii)	These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed: FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 2nd Quarter, 2008 RATIFICATION: July 2008	The BPS and ESS/ITS have drafted language to incorporate MOD003 into NAESB business practice standard language. A draft of this language has been reviewed by the NERC ATC Drafting Team.
	Develop version 1 business practice standards to support transparency reporting and related functions that may be required as a result of the final order	WEQ 2008 Annual Plan Item 2(c)	FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 2nd Quarter, 2008 RATIFICATION: July 2008	

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Order 890 Work Plan				
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
ESS/ITS ASSIGNMENTS				
GROUP 0: RESALES				
815, FN 496	The OASIS business practices developed to align the existing NAESB standards with Order 890 will include the requirement that “all sales or assignments of capacity be conducted or otherwise posted on the transmission provider’s OASIS on or before the date the reassigned service commences.” The OASIS business practices will also conform to Footnote 496 of Order 890. The business practices will include the requirement that the assignee “execute a service agreement directly with the transmission provider.” In addition, the business practices will include the requirement that the assignee pay “the transmission provider for service at the negotiated rate and the transmission provider will bill or credit the assignor with any the difference between the negotiated rate and the assignor’s original rate.	WEQ 2007 Annual Plan Item 2(a)(i)	FORMAL COMMENT: Posted for formal comment April 5, 2007 with comments due on May 4, 2007. WEQ EC VOTE: The WEQ Executive Committee adopted a revised recommendation during the May 8, 2007 WEQ EC meeting. RATIFICATION: The recommendation, as revised by the WEQ Executive Committee was posted for member ratification on June 22, 2007 with ballots due on July 23, 2007. The ratification results are posted on the NAESB website.	Completed. The final action is posted on the NAESB WEQ Final Actions page: 2007 WEQ Annual Plan Item 2 Final Action - Recommendation for Revision to Final Action R04006D to align the Resales Standards with Order 890

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GROUP 1: POSTING OF ETC; ANNOTATIONS FOR ATC; LOAD FORECAST AND ACTUAL LOAD; RE-BID OF PARTIAL SERVICE; PRECONFIRMATION PRIORITY; and CONDITIONAL FIRM				
	Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority S&CP Requirements	WEQ 2008 Annual Plan Item 2(a)(i)(1)	FORMAL COMMENT: Sent during the 3rd Quarter 2008. WEQ EC VOTE: EC notational ballot due January 16, 2008. RATIFICATION: The ratification of the Recommendation will be completed during 1st Quarter 2008.	
1078	Conditional Firm: In Paragraph 1078 of Order 890, the Commission directed transmission providers to “assign short-term firm service to conditional firm customers as the service becomes available.” The Commission also directed transmission providers to work with NAESB to “develop the appropriate communications protocols to implement this attribute of conditional firm service.” NAESB will develop OASIS business practices (to complement the OASIS S&CPs developed in 2008 AP item 2(a)(i)(1)) that will implement the ability to assign short-term firm service to conditional firm customers. Development of communication protocols for conditional firm including tracking mechanism and regional variation. Need to review the tagging rules related to the use of conditional firm.	WEQ 2008 Annual Plan Item 2(a)(i)(2)	FORMAL COMMENT: 1st Quarter, 2008 WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: 1st Quarter, 2008	Initial working paper of draft requirements to be posted in February, 2008.
369	Annotations for ATC: OASIS Business Practice Standards (to complement the OASIS S&CPs developed in 2008 AP item 2(a)(i)(1)) that will “require that the transmission provider post a brief, but specific, narrative explanation of the reason for a change in monthly and yearly ATC values on a constrained path.” The posting requirements will include posting of “(1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network).”	WEQ 2008 Annual Plan Item 2(a)(i)(3)		Assigned to BPS/ESS/ITS (see above BPS/ESS/ITS item that reference WEQ 2008 AP Item 2(b)(v)(3)).
416	Load Forecast and Actual Load: OASIS Business Practice Standards (to complement the OASIS S&CPs developed in 2008 AP item 2(a)(i)(1)) for the posting of “load forecasts and actual daily peak load for both system-wide load (including native load) and native load.”	WEQ 2008 Annual Plan Item 2(a)(i)(4)		Assigned to BPS/ESS/ITS (see above BPS/ESS/ITS item that reference WEQ 2008 AP Items 2(b)(v)(4) and (5)).

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1378	Re-bid of Partial Service: OASIS Business practice standards (to complement the OASIS S&CPs developed in 2008 AP item 2(a)(i)(1)) for re-bid of partial service across a single Transmission Provider's system.	WEQ 2008 Annual Plan Item 2(a)(i)(5)	FORMAL COMMENT: 1 st Quarter, 2008 WEQ EC VOTE: 1 st Quarter, 2008 RATIFICATION: 1 st Quarter, 2008	Posted for informal comment on 12/20/2007.
1392, 1401	Pre-confirmation Priority: Development of OASIS business practice standards (to complement the OASIS S&CPs developed in 2008 AP item 2(a)(i)(1)) to prohibit "transmission customers from changing a request into a pre-confirmed request and requiring OASIS platforms to be accessible on non-Windows/Explorer computers." Pre-confirmation Priority: Development of OASIS Business Practice Standards and OASIS S&CPs so that "pre-confirmed non-firm point-to-point transmission service requests and short-term firm point-to-point transmission service requests" have priority though "longer duration requests for transmission service will continue to have priority over shorter duration requests for transmission service." The standards will be written such that pre-confirmation will serve as a "tie-breaker" when the requests are of equal duration.	WEQ 2008 Annual Plan Item 2(a)(i)(6)	FORMAL COMMENT: 1 st Quarter, 2008 WEQ EC VOTE: 1 st Quarter, 2008 RATIFICATION: 1 st Quarter, 2008	Posted for informal comment on 12/20/2007.
	Appendix C – OASIS Exemptions	WEQ 2008 Annual Plan Item 2(a)(i)(7)	FORMAL COMMENT: 1 st Quarter, 2008 WEQ EC VOTE: 1 st Quarter, 2008 RATIFICATION: 1 st Quarter, 2008	Voted out of subcommittee 12/17/2007. Formal Comment period 12/19/2007 through 1/19/2008.

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GROUP 2: METRICS; REDISPATCH COST POSTING				
413	Metrics: Business Practice standards s to “post on OASIS metrics related to the provision of transmission service under the OATT” including the posting of: “the number of affiliate versus non-affiliate requests for transmission service that have been rejected”; “the number for affiliate versus non-affiliate requests for transmission service that have been made”; These standards will also set forth in the above referenced posting requirements the length of the service request and the type of the service requested	WEQ 2008 Annual Plan Item 2(a)(ii)(1)	FORMAL COMMENT: 1st Quarter, 2008 WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: 1st Quarter, 2008	Posted for informal comment on 12/20/2007.
1318	Metrics: OASIS business practice standards to implement the standard performance (planning study) metrics set forth in Order 890, Paragraphs 1308-1317.	WEQ 2008 Annual Plan Item 2(a)(ii)(2)	FORMAL COMMENT: 1st Quarter, 2008 WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: 1st Quarter, 2008	Posted for informal comment on 12/20/2007.
1162	Redispatch Cost Posting: Business practices for redispatch cost postings: - The posting of redispatch information will also include the posting of each transmission provider’s “monthly average cost of redispatch for each internal congested transmission facility or interface over which it provides redispatch service using planning redispatch or reliability redispatch under the pro forma OATT.” - The business practice standards for redispatch cost postings will also include functionality for transmission providers to post “a high and low redispatch for the month” each internal congested transmission facility or interface over which it provides redispatch service.	WEQ 2008 Annual Plan Item 2(a)(ii)(3)	FORMAL COMMENT: 1st Quarter, 2008 WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: 1st Quarter, 2008	Posted for informal comment on 12/20/2007.

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GROUP 3: NETWORK SERVICE ON OASIS				
385	Development of OASIS business practice standards and OASIS S&CPs for “transmission providers and network customers to use OASIS to request designation of new network resources and to terminate designation of network resources.” Shall be posted on OASIS for 90 days and available for audit for a 5 year period.	WEQ 2008 Annual Plan Item 2(a)(iii)(1) See also WEQ 2008 Annual Plan item 3(a)(ii)	FORMAL COMMENT: 2 nd Quarter, 2008 WEQ EC VOTE: 2 nd Quarter, 2008 RATIFICATION: 2 nd Quarter, 2008	Concept Paper posted 11/7/2007.
385	The standards will include the ability to electronically query requests to designate and terminate network resources and will require development of OASIS templates and to allow for queries of all information provided with designation requests.	WEQ 2008 Annual Plan Item 2(a)(iii)(2) See also WEQ 2008 Annual Plan item 3(a)(ii)	FORMAL COMMENT: 2 nd Quarter, 2008 WEQ EC VOTE: 2 nd Quarter, 2008 RATIFICATION: 2 nd Quarter, 2008	Concept Paper posted 11/7/2007.
1477	The standards will include the ability to mask information “about operating restrictions and generating cost on OASIS”;	WEQ 2008 Annual Plan Item 2(a)(iii)(3) See also WEQ 2008 Annual Plan item 3(a)(ii)	FORMAL COMMENT: 2 nd Quarter, 2008 WEQ EC VOTE: 2 nd Quarter, 2008 RATIFICATION: 2 nd Quarter, 2008	Concept Paper posted 11/7/2007.
1477	Development of OASIS business practice standards and OASIS S&CPs that describe the procedural requirements for submitting designations over any new OASIS functionality.	WEQ 2008 Annual Plan Item 2(a)(iii)(4) See also WEQ 2008 Annual Plan item 3(a)(ii)	FORMAL COMMENT: 2 nd Quarter, 2008 WEQ EC VOTE: 2 nd Quarter, 2008 RATIFICATION: 2 nd Quarter, 2008	Concept Paper posted 11/7/2007.

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1504	Development of OASIS business practice standards and OASIS S&CPs to specify how designated network service informational postings are posted on OASIS . Develop details of how the view, download, and query requirements for information posted regarding network resource designations informational postings.	WEQ 2008 Annual Plan Item 2(a)(iii)(5) See also WEQ 2008 Annual Plan item 3(a)(ii)	FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 2nd Quarter, 2008 RATIFICATION: 2nd Quarter, 2008	Concept Paper posted 11/7/2007.
1532	Development of OASIS business practice standards and OASIS S&CPs to set forth the “treatment of OASIS requests when the customer fails to provide the necessary attestation,” when submitting a request to designate a new network resource. Attestation: Formatting of attestation information that will be provided on OASIS.	WEQ 2008 Annual Plan Item 2(a)(iii)(6) See also WEQ 2008 Annual Plan item 3(a)(ii)	FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 2nd Quarter, 2008 RATIFICATION: 2nd Quarter, 2008	Concept Paper posted 11/7/2007.
1541	Development of OASIS business practice standards and OASIS S&CPs to describe “the procedural requirements for submitting both temporary and indefinite terminations of network resources, to allow network customers to provide all required information for such terminations.” These business practice standards will include the functionality set forth in Order 890, Paragraph 1541.	WEQ 2008 Annual Plan Item 2(a)(iii)(7) See also WEQ 2008 Annual Plan item 3(a)(ii)	FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 2nd Quarter, 2008 RATIFICATION: 2nd Quarter, 2008	Concept Paper posted 11/7/2007.
1541	Development of OASIS business practice standards and OASIS S&CPs to describe “the procedures for submitting and processing requests for concomitant evaluations of transmission requests and temporary terminations.	WEQ 2008 Annual Plan Item 2(a)(iii)(8) See also WEQ 2008 Annual Plan item 3(a)(ii)	FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 2nd Quarter, 2008 RATIFICATION: 2nd Quarter, 2008	Concept Paper posted 11/7/2007.

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GROUP 4: CONDITIONAL FIRM; PRE-EMPTION; REQUEST R05019; and REVISIONS TO STANDARD 9.7				
1407	Pre-emption: Revise OASIS business practice standards and OASIS S&CPs so that “a new pre-confirmed request for transmission service would preempt a request of equal duration that has been accepted by the transmission provider but not yet confirmed by the transmission customer.” It is the expectation that the business practice standards to address preemption will be developed in conjunction with NAESB Request No. R05019 to modify OASIS standards and OASIS S&CPs to clearly document the procedures used to implement the displacement/interruption terms of the Pro Forma tariff. This is consistent with NAESB Standard WEQ 001-4.25.	WEQ 2008 Annual Plan Item 2(a)(iv)(1)	REQUEST FOR RECONSIDERATION PENDING AT FERC MAY IMPACT TARGET DATES. FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 3rd Quarter, 2008 RATIFICATION: 3rd Quarter, 2008	Not Started
	NAESB Request No. R05019: During the work to address FERC Order 890, the ESS/ITS will also use the opportunity to modify OASIS standards and S&CP to clearly document the procedures used to implement the displacement/interruption terms of the Pro Forma tariff as requested in NAESB Request No. R05019	WEQ 2008 Annual Plan Item 2(a)(iv)(2) R05019	REQUEST FOR RECONSIDERATION PENDING AT FERC MAY IMPACT TARGET DATES. FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 3rd Quarter, 2008 RATIFICATION: 3rd Quarter, 2008	Not Started
1269	Revisions to Standard 001-9.7: NAESB will continue to work to revise NAESB WEQ business practice standard WEQ 001-9.7 (which addresses rollover rights for Redirected transmission service) to be consistent with the Commission’s policies.	WEQ 2008 Annual Plan Item 2(a)(iv)(3)	FORMAL COMMENT: 2nd Quarter, 2008 WEQ EC VOTE: 3rd Quarter, 2008 RATIFICATION: 3rd Quarter, 2008	Not Started

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GROUP 5: PARAGRAPH 1377				
1377	NAESB will develop business practice standards to facilitate the coordination of requests across multiple transmission systems using the principles set forth in Paragraph 1377 of Order 890. Develop S&CPs related to coordination of request across multiple transmission systems.	WEQ 2008 Annual Plan Item 2(a)(v)(1)	FORMAL COMMENT: 3rd Quarter, 2008 WEQ EC VOTE: 3rd Quarter, 2008 RATIFICATION: 3rd Quarter, 2008	Not Started
1378	Re-bid of Partial Service: OASIS Business practice standards for re-bid of partial service across multiple Transmission Providers' systems. NAESB will develop business practice standards to "allow a transmission customer to rebid a counteroffer of partial service so the transmission customer is allowed to take the same quantity of service across all linked transmission service requests.	WEQ 2008 Annual Plan Item 2(a)(v)(2)	FORMAL COMMENT: 3rd Quarter, 2008 WEQ EC VOTE: 3rd Quarter, 2008 RATIFICATION: 3rd Quarter, 2008	Not Started

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GROUP 6: MISCELLANEOUS				
1390	NAESB plans to review the existing business functions set forth in the NAESB WEQ standards to determine if changes should be made to address Paragraph 1390 of Order 890. FERC: OATT is sufficient to allow a Transmission Provider to manage situations where the Transmission Customer modifies its application for service to the point that the request is “meaningfully different” than initial request. ESS/ITS: need to review if this has any impact on business functions.	WEQ 2008 Annual Plan Item 2(a)(vi)(1)	FORMAL COMMENT: 3 rd Quarter, 2008 WEQ EC VOTE: 4 th Quarter, 2008 RATIFICATION: 4 th Quarter, 2008	Not Started
1627	Development of OASIS business practice standards and OASIS S&CPs for “the posting of additional curtailment information on OASIS” via a “detailed template for the posting of additional information on OASIS regarding firm transmission curtailments. Posting of curtailment information on OASIS: develop a detailed template for the posting of additional information on OASIS regarding firm transmission curtailments.	WEQ 2008 Annual Plan Item 2(a)(vi)(2)	FORMAL COMMENT: 3 rd Quarter, 2008 WEQ EC VOTE: 4 th Quarter, 2008 RATIFICATION: 4 th Quarter, 2008	Not Started
1005	Redispatch Cost Posting: Business practices for redispatch cost postings: The business practice standards for redispatch cost postings will include OASIS business practices and any needed additions or revisions to the OASIS Standards & Communication Protocols (S&CPs) to allow for posting of third party offers of planning redispatch services. The business practice standards developed for redispatch cost postings may affect the existing NAESB business practice standards for Transmission Loading Relief. (moved from Group 2)	WEQ 2008 Annual Plan Item 2(a)(vi)(3)	FORMAL COMMENT: 3 rd Quarter, 2008 WEQ EC VOTE: 4 th Quarter, 2008 RATIFICATION: 4 th Quarter, 2008	Not Started
243-244	Posting of ETC: OASIS business practice standards and S&CPs necessary to implement the Business Practice Standards developed to complement NERC Reliability Standards for Existing Transfer Capability (ETC) to create a “consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses”, including the elements of ETC for full implementation of the NERC MOD-001 reliability standard. (moved from Group 1)* *Requirements for a “consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses” is assigned to BPS/ESS/ITS (see above BPS/ESS/ITS item that references WEQ 2008 AP Items 2(b)(ii)(2)).	WEQ 2008 Annual Plan Item 2(a)(vi)(4)	FORMAL COMMENT: 2 nd Quarter, 2008 WEQ EC VOTE: 3 rd Quarter, 2008 RATIFICATION: 3 rd Quarter, 2008	Scoping work paper to be posted in February, 2008.



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January 15, 2008

TO: NAESB WEQ BPS-ESS-ITS Subcommittees
FROM: Rae McQuade
RE: **Order No. 890-A Analysis**, Order on Rehearing and Clarification issued on December 28, 2007 for Order No. 890 (Docket Nos. RM05-17-001, 002 and RM05-25-001, 002; Order No. 890-A)

via email

On December 28, the FERC released Order No. 890-A. It can be accessed through the hyperlink provided here: http://www.naesb.org/doc_view2.asp?doc=ferc122807.pdf. The attached matrix identifies the cites and the language in the order on rehearing where NAESB is noted. The cites are identified by both page number and paragraph number. The topics and sub-topics are also noted as well as whether the cite was provided in descriptive or contextual text (C), in the narrative of the requests for rehearing (R), or in the Commission determination (D). This index of cites should provide a reference when reviewing the order to determine if modifications to the NAESB work plan are needed.

With Best Regards,

Rae



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Order No. 890-A Cites to NAESB

P	Topics	C	R	D	Cite
I. Introduction					
2	I. Introduction	■			3. At the outset, we note that work is well underway to develop consistent practices governing the calculation of ATC, in coordination with the North American Reliability Corporation (NERC) and the North American Energy Standards Board (NAESB). Eliminating the broad discretion that transmission providers currently have in calculating ATC will increase nondiscriminatory access to the grid and ensure that customers are treated fairly in seeking alternative power supplies. We commend transmission providers for the substantial resources they have dedicated to this process and NERC and NAESB for their leadership in guiding the standardization effort.
III. OATT Reform					
22	Consistency and Transparency of ATC Calculations	■			39. In Order No. 890, the Commission concluded that the lack of consistency and transparency in the methodology for calculating ATC creates the potential for undue discrimination in the provision of open access transmission service. To remedy this lack of consistency and transparency, the Commission directed public utilities, working through the NERC reliability standards and NAESB business practices development processes, to produce workable solutions to implement the ATC-related reforms adopted by the Commission. A number of petitioners seek rehearing and/or clarification regarding the Commission's ATC-related rulings, which we address below.
27	Consistency and Transparency of ATC Calculations – Degree of Consistency		■		50. We disagree with Southern that increasing consistency with respect to the determination of ATC is contrary to reliability. Use of the NERC reliability standards process will, as a matter of course, guard against any unintended reduction in reliability. Nevertheless, we agree that reliability standards cannot address every unique system difference or differences in risk assumptions when modeling expected flows, which necessitates leaving room for limited discretion on the part of the transmission provider. We believe that the ATC requirements in Order No. 890 allow sufficient flexibility so that utilities, working through NERC/NAESB, can develop ATC standards that continue to provide reliability and are compatible with all other mandatory reliability standards or business practices, yet provide discretion where appropriate. If a transmission provider is faced with unique system conditions or modeling assumptions related to firm transmission service reservations ³¹ that are not addressed in the ATC-related NERC reliability standards, it must make them transparent through its Attachment C filing and the OASIS posting requirements regarding ATC calculation and modeling approach, studies, models and assumptions and implement them consistently for all transmission customers.



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Order No. 890-A Cites to NAESB

P	Topics	C	R	D	Cite
29	Consistency and Transparency of ATC Calculations - Degree of Consistency			■	53. We clarify in response to NorthWestern that TRM may be used to accommodate the procurement of ancillary services used to provide service under the pro forma OATT. We deny as premature EPSA's and Williams' requests for clarification regarding the realtime determination and posting of ATC and AFC values, as well as posting of utilization of transmission provider's own system ETC. In Order No. 890, the Commission required an exchange of the data both for short and long-term ATC/AFC calculation that will increase the accuracy of ATC calculations. ³³ The Commission also required that ATC be recalculated by all transmission providers on a consistent time interval, and in a manner that closely reflects the actual topology of the system, load forecast, interchange schedules, transmission reservations, facility ratings, and other necessary data, and that NERC/NAESB revise the related reliability standard and business practices accordingly. ³⁴ EPSA and William should address their concerns through the NERC and NAESB processes implementing these requirements.
30	Consistency and Transparency of ATC Calculations – Process to Achieve Consistency	■			54. The Commission directed public utilities, working through NERC and NAESB, to modify the ATC-related reliability standards and business practices in accordance with specific direction provided in Order No. 890. The Commission concluded that the NERC reliability standards development process and the NAESB business standards development process are the appropriate forums for developing consistency in ATC calculations. To that end, public utilities were directed, working through NERC, to modify the ATC-related reliability standards within 270 days after the publication of Order No. 890 in the Federal Register, i.e., December 10, 2007. Public utilities were also directed, working through NAESB, to develop business practices that complement NERC's new reliability standards within 360 days after the publication of Order No. 890 in the Federal Register, i.e., March 10, 2008. ³⁵
31	Consistency and Transparency of ATC Calculations - Process to Achieve Consistency			■	56. The Commission affirms the decision in Order No. 890 to rely on the NERC reliability standards development process, and the NAESB business practices development process, to achieve a more coherent and uniform determination of ATC. We disagree that this conflicts with the Commission's obligations under section 215 of the FPA. In Order No. 693, the Commission exercised its authority under FPA section 215 to direct the ERO to modify the existing modeling, data, and analysis (MOD) standards related to ATC calculation, providing guidance consistent with our requirements in Order No. 890. The Commission clarified that, where Order No. 693 identified a concern and offered a specific approach to address the concern, the Commission would consider an equivalent alternative approach provided that the ERO demonstrated that the alternative would address the Commission's underlying concern or goal as efficiently and effectively as the Commission's proposal. ³⁸ We believe this provides the appropriate flexibility for NERC, while ensuring that the



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					Commission act to remedy the potential for undue discrimination in the calculation of ATC.
33	Consistency and Transparency of ATC Calculations – Applicability to ISOs, RTOs, and Non-Public Utility Transmission Providers	■			58. Because Order No. 890 did not exempt ISOs/RTOs from the new ATC standards or curtailment information posting requirements, NYISO asks the Commission to clarify that NERC and NAESB must develop ATC standards and curtailment information posting rules that accommodate ISOs/RTOs. NYISO anticipates that ATC calculations will continue to be of limited significance within its control area, but acknowledges that it does calculate ATC at its external interfaces and also uses ATC to determine the availability of non-firm transmission service, i.e., service for customers that do not wish to be exposed to congestion charges. NYISO states that it, therefore, has an interest and intends to participate in the NERC and NAESB processes developing new ATC standards and curtailment information posting requirements.
33	Consistency and Transparency of ATC Calculations – Applicability to ISOs, RTOs, and Non-Public Utility Transmission Providers	■			59. NYISO contends, however, that stakeholders from traditional systems will have a greater interest in the development of those rules and, as a result, that the NERC and NAESB processes may produce rules that primarily reflect the needs of traditional systems and do not accommodate ISOs/RTOs that are based upon locational marginal pricing of transmission. NYISO argues that Order No. 890 requires NERC and NAESB to develop standards that suit both traditional systems as well as the ISOs/RTOs that cover more than half of the load in the United States. NYISO requests that the Commission expressly state its expectation that the NERC and NAESB processes will produce standards that fulfill Order No. 890's objectives of transparency and interregional consistency, yet that are sufficiently flexible to work for ISO/RTO regions.
34	Consistency and Transparency of ATC Calculations – Applicability to ISOs, RTOs, and Non-Public Utility Transmission Providers		■		60. Order No. 890 requires NERC and NAESB to develop a single set of ATC-related standards that will apply to all transmission providers, including RTOs and ISOs. We understand that the NERC ATC standard drafting team includes representatives from various industry sectors, including RTOs/ISOs, and we encourage NYISO to participate in the standard development process to provide NERC an opportunity to address its concerns. To the extent NYISO feels its concerns are not address in this process, it should bring the issue to the Commission's attention on review of the resulting reliability standards.
34	Consistency and Transparency of ATC Calculations – ATC Components -- ETC	■			62. The Commission adopted the NOPR proposal and directed public utilities, working through NERC and NAESB, to develop a consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses. The Commission determined that ETC should be defined to include committed uses of the transmission system, including (1) native load commitments (including network service), (2) grandfathered transmission rights, (3)



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					appropriate point-to-point reservations, ³⁹ (4) rollover rights associated with long-term firm service, and (5) other uses identified through the NERC process. The Commission determined that ETC should not be used to set aside transfer capability for any type of planning or contingency reserve, which are to be addressed through CBM and TRM. ⁴⁰ In addition, for short-term ATC calculations, all reserved but unused transfer capability (non-scheduled) must be released as non-firm ATC.
34	Consistency and Transparency of ATC Calculations – ATC Components -- ETC	■			63. The Commission also found that inclusion of all requests for transmission service in ETC would likely overstate usage of the system and understate ATC. The Commission therefore found that reservations that have the same point of receipt (POR) (generator) but different point of delivery (POD) (load), for the same time frame, should not be modeled in the ETC calculation simultaneously if their combined reserved transmission capacity exceeds the generator's nameplate capacity at the POR. The Commission directed public utilities, working through NERC, to develop requirements in MOD-001 that lay out clear instructions on how these reservations should be modeled. The Commission also concluded that some elements of ETC are candidates for business practices instead of reliability standards and directed public utilities, working through NAESB, to develop business practices necessary for full implementation of the MOD-001 reliability standard.
37	Consistency and Transparency of ATC Calculations – ATC Components -- CBM	■			68. The Commission directed public utilities, working through NERC and NAESB, to develop clear standards and business practices for how the CBM value is determined, allocated across transmission paths and flowgates, and used. To ensure that CBM is used for its intended purpose, the Commission provided that CBM shall only be used to allow an LSE to meet its generation reliability criteria. The Commission rejected requests to allow CBM to be used to meet reserve-sharing needs, explaining that TRM is the appropriate category for that purpose. Public utilities were directed to work with NAESB to develop an OASIS mechanism that will allow for auditing of CBM usage.
43	Consistency and Transparency of ATC Calculations – ATC Components – CBM			■	83. The Commission did not mandate a particular methodology for allocating CBM over transmission paths and flowgates in Order No. 890. We therefore reject Southern's argument that development of a consistent methodology for calculating CBM would be harmful to LSEs because reserve needs vary from area to area. While we expect the NERC and NAESB process to produce a consistent and transparent process for setting aside and allocating CBM based on LSE requests, we decline to prescribe a specific method for how CBM should be obtained or allocated or otherwise determine the amount of capacity that the transmission provider has to set aside in response to requests from multiple LSEs.



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44	Consistency and Transparency of ATC Calculations – ATC Components – CBM			■	84. We disagree that a consistent CBM methodology that allows LSEs access to historically used resources would impair reliability, conflict with the rights of native load under FPA section 217, or otherwise implicate varying regional and state mandates governing adequacy issues. In any event, it is premature to consider these questions since NERC and NAESB have yet to complete their work on the reliability standards and business practices. We also disagree with Southern that a consistent CBM methodology will remove the economic benefit associated with CBM. Rather, a consistent methodology for determining how the CBM value is determined, allocated, and used will remove excess discretion that transmission providers previously had and allow all LSEs to have the benefits associated with CBM.
47	Consistency and Transparency of ATC Calculations – ATC Components – CBM			■	89. We decline to defer the filing of CBM-related rate design proposals until completion of the NERC/NAESB standardization process. To the extent a transmission provider's rates currently collect the costs associated with the CBM set-aside from point-to-point customers, those rates must be redesigned in accordance with Order No. 890. We acknowledge, however, that the on-going NERC and NAESB standardization processes may result in CBM being set aside and used differently in the future. To the extent such changes implicate the allocation of costs among those that are eligible to request or use the set-aside, the transmission provider should file with the Commission any necessary rate changes to ensure that CBM costs continue to be allocated appropriately.
47	Consistency and Transparency of ATC Calculations – ATC Components – TRM	■			91. The Commission required public utilities, working through NERC, to complete the ongoing process of modifying TRM-related reliability standards (MOD-008 and MOD-009). To guide NERC and NAESB in the process of drafting TRM-related standards and business practices, the Commission explained that transmission providers may set aside TRM for (1) load forecast and load distribution error, (2) variations in facility loadings, (3) uncertainty in transmission system topology, (4) loop flow impact, (5) variations in generation dispatch, (6) automatic sharing of reserves, and (7) other uncertainties as identified through the NERC reliability standards development process. To the extent capability is needed for transmission of shared reserves, the Commission stated that it must be included in TRM, although the Commission did not mandate the use of reserve sharing groups.
49	Consistency and Transparency of ATC Calculations – ATC Components – TRM			■	94. The Commission clarifies that NERC was not directed to identify an actual number or a particular methodology to include in the TRM standards, MOD-008-0 and MOD-009-0. The Commission's intent was to require NERC and NAESB to include consistent criteria and guidelines in the calculation and uses of TRM by transmission providers. Likewise, in response to Southern's concern regarding flexibility to use something other than the ratings reduction method discussed in Order No. 890, we clarify that the ratings reduction method is only an example of a



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					simple method that could be used. Our intent is not to prohibit a transmission provider from using a more sophisticated method, so long as it is consistent with the reliability standards developed by NERC.
53	Consistency and Transparency of ATC Calculations – ATC Components – ATC Calculation Frequency	■			101. The Commission directed public utilities, working through NERC and NAESB, to revise reliability standard MOD-001 to require ATC to be recalculated by all transmission providers on a consistent time interval and in a manner that closely reflects the actual topology of the system, e.g., generation and transmission outages, load forecast, interchange schedules, transmission reservations, facility ratings, and other necessary data. The Commission stated that this process must also consider whether ATC should be calculated more frequently for constrained facilities.
53	Consistency and Transparency of ATC Calculations – ATC Components – ATC Calculation Frequency		■		102. Powerex asks the Commission to clarify that transmission providers are required to update their ATC calculations when they receive new data otherwise required to be posted under the requirements of Order No. 890, such as updated load forecasts. Powerex argues that the standards adopted through the NERC and NAESB processes should serve only as minimum or "no less frequent than" requirements. In Powerex's view, the specification of consistent intervals for ATC calculations should not prohibit or deter transmission providers from calculating and posting ATC on a more frequent basis as new data becomes available, particularly in light of the Commission's goal in Order No. 890 to make the ATC calculation process more transparent to customers.
54	Consistency and Transparency of ATC Calculations – ATC Components – ATC Calculation Frequency			■	104. The Commission agrees with Powerex that the standards adopted through the NERC and NAESB processes should serve as minimum or "no less frequent than" requirements to recalculate ATC. Transmission providers also must update their ATC calculation when they receive substantial and material changes in data, such as updated load forecasts, changes in topology and dispatch patterns, which may be more frequent than the NERC and NAESB standards would otherwise require. In the absence of substantial and material changes in data, transmission providers are not required to update ATC on a more frequent basis than the minimum frequency that the NERC and NAESB standards require, once implemented. The Commission will consider the adequacy of the time frame for ATC updates on review of these standards.
56	Consistency and Transparency of ATC Calculations – Transparency – OATT Transparency	■			108. The Commission concluded that Attachment C must provide an accurate documentation of processes and procedures related to the calculation of ATC, not the actual mathematical algorithms, which instead should be posted on their web site with the link noted in the Attachment C. The Commission noted that a transmission provider may require a confidentiality agreement for CEII materials, consistent with our CEII requirements, or may otherwise protect the confidentiality of proprietary customer information. The Commission also required transmission



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					providers to file a revised Attachment C to incorporate any changes in NERC's revised reliability standards and NAESB's business practices related to ATC calculations, as requested by the Commission in Order No. 890, within 60 days of completion of the NERC and NAESB processes.
57	Consistency and Transparency of ATC Calculations – Transparency – OATT Transparency	■			110. Southern requests clarification as to whether the Commission intends for transmission providers to make two filings of ATC methodologies (i.e., one when the Order No. 890 becomes effective and another when the NERC and NAESB processes are completed) or just one filing of such methodologies (i.e., a single filing when the NERC and NAESB processes are completed). Southern argues that only one filing should be required, to be made within 60 days after the NERC and NAESB processes are completed. Southern contends that requiring a premature filing before those processes are complete would waste transmission providers' resources in preparing those filings and the Commission's resources in reviewing them.
58	Consistency and Transparency of ATC Calculations – Transparency – OATT Transparency		■		112. In response to Southern, Order No. 890 specifically required transmission providers to submit an intermediate filing within 180 days after the publication of the order in the Federal Register in order to provide transparency of the transmission provider's existing ATC calculation methodologies. In compliance with that requirement, a number of transmission providers, including Southern, submitted Attachment C compliance filings on September 11, 2007. The immediate transparency benefits of these filings will be supplemented by a revised filing following completion of the NERC and NAESB standardization processes. We do not believe the intermediate filing represented an undue burden to the transmission providers, as it was no more than a documentation of existing practices.
62	Consistency and Transparency of ATC Calculations – Transparency – Narrative Explanation	■			119. Southern also requests that the Commission clarify where the transmission provider should post these narrative explanations and in what form. Southern proposes that this information be posted on OASIS via a template and data element that is to be defined by a NAESB standard, incorporated into a revised Standards and Communications Protocol document, and subsequently adopted by the Commission.
64	Consistency and Transparency of ATC Calculations – Transparency – Narrative Explanation		■		124. We believe that E.ON U.S. overestimates the burden of complying with this requirement. Since TTC standardization is ongoing, it is impossible to identify with precision the steps that will need to be taken to comply with the posting requirement. The appropriate forum to raise concerns regarding the burden of particular TTC calculation requirements is in the NAESB standards development process. In any event, we would expect that the posting of narratives for changes in monthly and yearly ATC values as a result of a 10 percent change in TTC will be triggered mainly by topology changes resulting from transmission lines and generator in-service status, as well as new facilities additions, that are reported on OASIS.



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64	Consistency and Transparency of ATC Calculations – Transparency – Narrative Explanation			■	125. We clarify in response to Southern that transmission providers do not need to list each and every circumstance or occurrence that impacts TTC values from the previous month or year and, instead, may list the primary events that give rise to the update. Again, we expect that TTC changes will generally result from topology changes and, therefore, the primary reasons for an update would be changes in schedules of transmission or generation additions, prolonged outages, or changes in maintenance schedules causing a TTC change of 10 percent. We agree with Southern that the transmission provider should post these narrative explanations on OASIS via a template and data element that is to be defined by NAESB. We direct transmission providers, working through NAESB, to develop the OASIS functionality necessary for such postings. Pending completion of this work by NAESB, we direct transmission providers to post these narrative explanations as comments on OASIS.
74	Consistency and Transparency of ATC Calculations – Transparency – Request for Additional Transparency			■	145. EPSA asks the Commission to clarify that the standards developed during the NAESB process should require transmission providers to post essential details of ETCs that affect current customers' access to transmission capacity, including duration and volume, priority rights, redispatch and scheduling rights, and any other rights that affect others' use of the grid. As part of these postings, EPSA suggests that transmission providers be required to include information concerning transmission arrangements that are not provided under the OATT, e.g., pre-OATT transmission arrangements. EPSA argues that non-OATT transmission arrangements often include terms that are inconsistent with OATT terms and which can impact OATT customers' access to the grid. Unless transmission providers are required to post ETC-related information, EPSA contends that there will be no way for market participants to determine whether the transmission provider has appropriately modeled ETC set-asides.
212	Transmission Pricing – Capacity Reassignment – Contracting Issues	■			408. As noted above, the Commission required in Order No. 890 that all sales or assignments of capacity be conducted through or otherwise posted on the transmission provider's OASIS on or before the date the reassignment commences. The Commission thus eliminated the ability of transmission customers to assign transmission rights to another party with subsequent notification to the transmission provider. The Commission also directed transmission providers, working through NAESB, to develop appropriate OASIS functionality to allow such postings. Transmission providers were not required to implement this new OASIS functionality or any related business practices until NAESB develops appropriate standards.
217	Transmission Pricing – Capacity Reassignment – Contracting Issues			■	418. Washington IOUs distinguish between long-term and short-term reassignments, arguing that different rules should be adopted for each type of transaction. For long-term reassignments, Washington IOUs argue that transmission providers should only be required to take on a bilateral relationship with an assignee where all rates, terms and conditions of the assignment are the



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					same as the original rates, terms and conditions of the purchase of primary capacity. Otherwise, they contend the transmission provider may be unable to recover the rate owed to it in the event of a dispute between the reseller and assignee. For short-term reassignments, they argue the transmission provider should continue to bill the reseller for the assigned capacity scheduling rights, with the assignee paying the reseller directly. Washington IOUs contend that NAESB distinguishes between long-term and short-term reassignment transactions, which they argue is appropriate to ensure transmission providers are not unduly burdened by being forced to act as a middleman between resellers and assignees.
218	Transmission Pricing – Capacity Reassignment – Contracting Issues	■			419. TranServ contends that the NAESB standards distinguish between resales of scheduling rights and transfers of all obligations, including financial responsibilities. TranServ states that, under the NAESB standards, a resale does not alter the financial obligation for the capacity reassigned, which remains with the reseller. TranServ argues that the billing mechanism adopted in Order No. 890 inappropriately shifts this financial obligation to the assignee, unduly burdening the transmission provider with the responsibility to manage settlement of the reassignment.
218	Transmission Pricing – Capacity Reassignment – Contracting Issues	■			420. EEI asks the Commission to refer to NAESB the issue of whether any modifications to the OASIS protocols are required to implement the modifications to transmission reassignments required in Order No. 890. EEI requests that NAESB be directed to report to the Commission on whether modifications are required to implement transmission reassignments being posted before-the-fact rather than after-the-fact and if so, NAESB's estimated timeline for development of such modifications.
224	Transmission Pricing – Capacity Reassignment – Contracting Issues		■		428. With regard to OASIS modifications necessary to allow for the reassignment of transmission capacity, the Commission in Order No. 890 already directed transmission providers working through NAESB to develop appropriate OASIS functionality to allow for reassignment-related postings. We understand that this work is on-going and expect any necessary modifications to NAESB's business practices that are necessary to reflect our rulings in this order will be adopted prior to the submission of those standards for Commission review. In the interim, transmission providers should identify in their business practices any procedures necessary to accomplish the reassignment of capacity by their customers.
287	Non-rate Terms and Conditions, Modifications to LT Firm PTP Service – Planning Redispatch		■		543. However, we deny TAPS' request to address here the granularity of system modeling necessary to implement planning redispatch service. The ATC and planning-related reforms adopted in Order No. 890 will help address TAPS' granularity issue once these reforms are implemented. Transmission providers have been directed to address the effect on ATC of designating and undesignating network resources as part of the



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					ongoing NERC/NAESB standardization effort. To the extent TAPS has concerns regarding the modeling of ATC to respond to requests to designate network resources, those concerns should be addressed in the first instance through the NERC/NAESB process. We make no further changes to the planning and reliability redispatch services in the existing pro forma OATT as these services are already provided comparably to network customers.
300	Non-rate Terms and Conditions, Modifications to LT Firm PTP Service – Implementation of Planning Redispatch and Conditional Firm	■			567. The Commission provided that short-term firm service reserved prior to the reservation of conditional firm service will maintain priority over conditional firm service in the periods when conditional firm service is conditional, i.e., when specified system conditions exist or conditional curtailment hours apply. Transmission providers were directed to work with NAESB to develop the appropriate communications protocol to allow for automatic assignment of short-term firm point-to-point service to conditional firm customers to the extent short-term service becomes available. Transmission providers need not implement this requirement until NAESB develops appropriate communications protocols.
300	Non-rate Terms and Conditions, Modifications to LT Firm PTP Service – Implementation of Planning Redispatch and Conditional Firm	■			568. Transmission providers also were directed to work with customers to facilitate the use of third party generation, where available, in provision of planning redispatch. To facilitate provision of redispatch service by third parties, the Commission further directed transmission providers, working through NAESB, to modify their OASIS sites and develop any necessary business practices to allow for posting of third party offers to provide planning redispatch. Again, transmission providers were not required to implement the new OASIS functionality and any related business practices until NAESB develops appropriate standards.
304	Non-rate Terms and Conditions, Modifications to LT Firm PTP Service – Implementation of Planning Redispatch and Conditional Firm		■		578. Southern, EEI and Transerv state that there is no automated process in NERC's Interchange Distribution Calculator (IDC) to convert a tag from firm priority to non-firm priority in order to accommodate conditional firm service. EEI states that currently the only way to modify the curtailment priority reflected on a tag is to cancel the existing tag and issue a new one. According to EEI, this affects the quality of service and ultimately causes the customer to incur imbalance charges. Southern, EEI and Transerv encourage implementation of uniform tagging business practices developed by NAESB to bring greater uniformity to markets. Transerv and EEI also request that the implementation deadline be extended to allow time for these modifications.
308	Non-rate Terms and Conditions, Modifications to LT Firm PTP Service – Implementation of Planning Redispatch and Conditional Firm			■	585. We also agree with MidAmerican that a transmission provider's waiver of a reassessment for conditional firm or planning redispatch service does not constitute a waiver of all reassessments for the duration of the service, unless explicitly agreed to by the transmission provider. We reiterate, however, that only one reassessment may be performed in each two-year period of service. We also affirm that any waiver must be granted



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					for similarly situated service, which would include conditional firm or planning redispatch service that is limited because of the same constraints or general system limitations. Such a waiver would be an act of discretion that must be posted on OASIS. Waiver of the reassessment presents an opportunity for discrimination among classes of customers on the part of the transmission provider and posting will provide eligible customers with an indicator of how often conditions or redispatch requirements have been reassessed. Transmission providers are directed to develop uniform OASIS posting standards, in coordination with NAESB, for transmission providers to post information regarding waivers of the biennial reassessment for planning redispatch and conditional firm service.
313	Non-rate Terms and Conditions, Modifications to LT Firm PTP Service – Implementation of Planning Redispatch and Conditional Firm		■		592. We agree with petitioners that the NAESB rules regarding tagging do not allow a transmission provider to change the tag of a transmission customer. That is why, in Order No. 890, the Commission directed transmission providers to coordinate with other transmission providers in their regions to develop their own business practices to implement the tagging and tracking of conditional firm service. Upon consideration of petitioners' concerns, we grant rehearing to require transmission providers, in coordination with NERC and NAESB, to develop within 180 days of publication of this order in the Federal Register a consistent set of tracking capabilities and business practices for tagging for implementation of conditional firm service. We agree with petitioners that a consistent set of practices followed by the industry will reduce transmission provider discretion and bring uniformity in implementing conditional firm service. In the interim, the existing business practices of each transmission provider for tracking and tagging conditional firm service shall remain in effect.
327	Non-rate Terms and Conditions, Modifications to LT Firm PTP Service – Transparent Redispatch	■			621. Transmission providers must post internal constraint or interface data for the month if any planning redispatch or reliability redispatch is provided during the month, regardless of whether the transmission customer is required to reimburse the transmission provider for those exact costs. Thus, if the transmission customer pays for planning redispatch pursuant to a negotiated fixed rate, the transmission provider is required to post and calculate the monthly average redispatch costs and the high and low costs in the month even though the transmission provider will bill the customer the fixed rate. The same posting requirement applies if the customer is paying a monthly "higher of" rate. The Commission concluded that the relevant reliability redispatch costs for posting purposes are those costs the transmission provider invoices network customers based on a load ratio share pursuant to section 33.3 of the pro forma OATT. The transmission provider must post this data on OASIS as soon as practical after the end of each month, but no later than when it sends invoices to transmission customers for redispatch-related services. The Commission directed transmission providers to



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					work in conjunction with NAESB to develop this new OASIS functionality and any necessary business practice standards.
371	Non-rate Terms and Conditions, Modification of Rec or Del Pts	■			697. Pursuant to Section 22 of the pro forma OATT, a transmission customer taking firm point-to-point service may modify its receipt and delivery points, i.e., redirect its service, on either a non-firm or firm basis. In Order No. 676, the Commission adopted the “Standards for Business Practices and Communication Protocols for Public Utilities” developed by the NAESB’s Wholesale Electric Quadrant (WEQ). The WEQ standards include standards addressing requirements for redirects on both a firm and non-firm basis, all of which were incorporated by reference into the Commission’s regulations except for WEQ Standard 001-9.7, which addressed the impact of redirects on the rollover rights of a long-term transmission customer. Order No. 676 directed the WEQ to reconsider WEQ Standard 001-9.7 and develop a revised standard consistent with Commission policy.
371	Non-rate Terms and Conditions, Modification of Rec or Del Pts	■			698. In Order No. 890, the Commission affirmed reliance on the NAESB process to develop business practices implementing the Commission’s redirect policy. The Commission also determined that the reforms adopted in Order No. 676, in combination with the OATT-related reforms adopted in this proceeding, were adequate to ensure that transmission providers do not engage in undue discrimination when a customer seeks to modify its receipt and delivery points on a firm basis. With respect to the effect of redirects on rollover rights, the Commission affirmed its policy allowing a redirect of firm, long-term service to retain rollover rights, even if the redirect is requested for a shorter period. The Commission concluded that a transmission customer should not have to choose between maintaining its rollover rights and redirecting on a firm basis. The Commission noted, however, that any change to a delivery point would be treated as a new request for service for purposes of determining availability of capacity. As a result, a redirect right does not grant the customer access to system capacity or queue position different from other customers submitting new requests for service. The Commission also provided guidance regarding the processing of, and pricing for, redirected service.
372	Non-rate Terms and Conditions, Modification of Rec or Del Pts		■		700. If the Commission decides to maintain rollover rights for redirects, MISO proposes the following limitations and requests the Commission to direct NAESB to draft its business practices accordingly. First, MISO suggests that the primary path agreement should have a term of at least five years for any rollover rights to attach. Second, MISO requests that any redirect must be for firm service for one year or longer. If the redirect is for a shorter period, MISO contends that the rollover rights should remain with the original path. Third, MISO requests redirected service to terminate on the same date as the parent service so as to maintain the timing for execution of rollover rights. Finally, MISO suggests that in order to execute a rollover right the redirected service must be requested and granted prior to the one-



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P	Topics	C	R	D	Cite
					year deadline for the customer to request rollovers along the original path.
373	Non-rate Terms and Conditions, Modification of Rec or Del Pts	■			702. TranServ also requests clarification regarding the requirement for the rollover right to follow the redirect, regardless of the duration of the redirect. TranServ questions whether a redirect of a long-term firm service reservation for one day qualifies that customer for rollover rights on the redirected service points. TranServ suggests that the Commission instead restrict rollover rights on redirected service points to redirects of five years or longer and further require that the redirect be co-terminus with the original request being redirected. TranServ argues that more guidance regarding implementation of the rollover and redirect policies will facilitate the NAESB standards development process.
379	Non-rate Terms and Conditions, Acquisition of Transmission Service	■			711. The Commission delegated to NAESB the responsibility for developing the Standard and Communications Protocols, business practices and OASIS modifications that will be necessary to implement the performance metrics.
404	Non-rate Terms and Conditions, Acquisition of Transmission Service	■			762. The Commission also required transmission providers working through NAESB to develop business practice standards to better coordinate transmission requests across multiple transmission systems. In order to provide guidance to NAESB, the Commission articulated the principles that should govern processing across multiple systems. The Commission further required transmission providers working through NAESB to develop business practice standards to allow a transmission customer to rebid a counteroffer of partial service so the transmission customer can take the same quantity of service for linked transmission service requests across multiple systems. The Commission explained that the transmission customer should not be required to take the same quantity of service across consecutive transmission service requests and, instead, it should simply have the option to do so.
405	Non-rate Terms and Conditions, Acquisition of Transmission Service	■			763. TDU Systems argue that the Commission erred by failing either to mandate coordination among transmission providers or to provide the oversight necessary to ensure that NAESB effectively addresses the standards and practices for coordination. TDU Systems contend that transmission customers have experienced denials of service because of differing response times to transmission service requests spanning multiple transmission systems and that a lack of coordination among transmission providers reduces accountability for potentially anti-competitive denials of service. To the extent the Commission relies on business practices by NAESB, TDU Systems contend that the Commission must provide clear deadlines for NAESB to complete the development process for these business practices. TDU Systems argue that failure to establish deadlines in this context, while establishing clear deadlines for the development of ATC-related standards, is arbitrary and capricious.



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406	Non-rate Terms and Conditions, Acquisition of Transmission Service			■	766. The Commission affirms the decision in Order No. 890 to rely on the NAESB process to develop business practices to govern the processing of transmission requests across multiple transmission systems. We decline to dictate at this time, beyond those principles outlined in Order No. 890, the particular practices that must be implemented. It is more appropriate to allow transmission providers working through NAESB, in the first instance, to consider how best to ensure coordination across multiple systems. It is also appropriate to give NAESB an open timeframe to develop these standards since they must be broad enough to account for the complexities of coordinating multi-system transmission service requests.
407	Non-rate Terms and Conditions, Acquisition of Transmission Service			■	767. The appropriate forum for TDU Systems and TAPS to raise substantive concerns regarding the coordination required for multi-system requests is therefore the NAESB process. If concerns remain at the conclusion of this process, transmission providers and customers alike can bring them to the Commission's attention on review of the NEASB business practices.
416	Non-rate Terms and Conditions, Acquisition of Transmission Service			■	785. Southern suggests that the Commission allow transmission providers working through NAESB sufficient time to develop procedures for processing competing pre-confirmed requests, including how a request whose evaluation is in progress should or should not be impacted by a new pre-confirmed request received prior to such evaluation being completed.
418	Non-rate Terms and Conditions, Acquisition of Transmission Service			■	788. We decline Southern's request to extend the effectiveness of the reforms regarding pre-confirmation priority pending development of related business practices by NAESB. We believe that Order No. 890 provides sufficient guidance for transmission providers to implement this priority in advance of any standardization efforts that may be undertaken through the NAESB process.
421	Non-rate Terms and Conditions, Acquisition of Transmission Service			■	796. Powerex, Southern, and Tenaska suggest that use of a simultaneous priority window will lead to implementation and operational problems, requiring transmission providers to allocate transmission capacity among multiple requesting customers, resulting in customers potentially receiving unusable blocks of capacity. Powerex contends that the Commission has relied on first-come, first-served priority in other contexts based on a similar concern that pro rata allocation of scarce capacity may result in blocks too small for the customer to use. If the Commission does not grant rehearing on this issue, Southern asks the Commission, at a minimum, to clarify that NAESB will be permitted to address and resolve in a uniform fashion the numerous operational issues associated with treating all requests received within a certain timeframe as having been received simultaneously.



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426	Non-rate Terms and Conditions, Acquisition of Transmission Service			■	805. The Commission recognizes that developing methods to allocate capacity among requests received during a submittal window may require detailed procedures, particularly when transmission requests received simultaneously exceed available capacity. As the Commission explained in Order No. 890, however, we believe that each transmission provider is in the best position to develop allocation procedures that are suitable for its system. This does not preclude transmission providers from working through NAESB to develop standardized practices, as suggested by Southern. For example, as we pointed out in Order No. 890, allocation methods such as that used by PJM to allocate monthly firm point-to-point transmission service could provide useful guidance in developing general allocation procedures.
429	Non-rate Terms and Conditions, Acquisition of Transmission Service			■	809. TranServ also questions implementation of the right of first refusal in the event transmission capacity is reassigned. Assuming that a customer with a confirmed reservation for one week resells capacity for one day, TranServ asks whether the reseller, the assignee, or both have responsibility to match a competing longer-term request received by the transmission provider. TranServ states that this issue was considered by NAESB during WEQ discussions and that, during those discussions, there was serious consideration given to not allowing the resale of short-term firm prior to its unconditional deadline
445	Non-rate Terms and Conditions, Designation of Network Resources			■	845. APS and EEI, and Financial Service Joint Requestors, joined by Southwestern Utilities in their post-technical conference comments, argue that transmission providers should have discretion to waive the requirement to provide originating control area information for proposed network resources when such information is not needed or is not meaningful for determining impacts on ATC. APS and EEI state that it uses an approved rated path methodology to determine ATC, under which the control area of an off-system purchase delivered to one of its liquid trading hub border interfaces (Palo Verde or Four Corners) has no effect on ATC calculations. APS and EEI state that this contrasts with a flow-based ATC methodology, where the specification of the originating control area can affect the ATC on a transmission provider's system and, therefore, be necessary to calculate ATC. APS and EEI argue that requiring the source control area for all purchased power network resources will significantly reduce the liquidity of physical power markets at Palo Verde and potentially elsewhere in the West. APS and EEI argue that concerns about discrimination could be addressed by directing transmission providers to post a nondiscriminatory policy on its OASIS or directing NAESB to include this issue in its business practices.
448	Non-rate Terms and Conditions, Designation of Network Resources			■	853. On rehearing, TDU Systems request clarification that a "delivery point" as contemplated by section 29.2(v) of the pro forma OATT includes any point on an interface where deliveries are made. TDU Systems argue that it is common in the industry to purchase a system product from off-system and deliver that



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					product to any interconnection point on the interface between the system where the customer's native load is embedded and the system in which the generation is sourced. TDU Systems contend that this is how the term "delivery point" is used throughout the industry generally and, in particular, in the NAESB WEQ Glossary Subcommittee's Preliminary Draft Glossary which states that "a delivery point can be a delivery node, an aggregation of delivery nodes, an interface or trading hub." TDU Systems contend that NERC's Glossary of Terms Used in Reliability Standards similarly contemplates that a delivery point may include an interface, defining "Point of Delivery" as "a location...where an Interchange Transaction leaves or a Load-Serving Entity receives its energy." TDU Systems further argue that current RTO markets embrace the concept of interfaces as delivery points, referring to a statement in section 30.2 of the PJM OATT that "in the event that the Network Resource to be designated will use interface capacity" contemplates interfaces as delivery points.
468	Non-rate Terms and Conditions, Designation of Network Resources	■			890. To the extent there are concerns regarding the effect of designating on-system system sales on ATC, we note that transmission providers have been directed to address the effect on ATC of designating and undesignating network resources as part of the on- going NERC/NAESB standardization effort. Through that process, transmission providers will develop consistent methodologies for calculating the effect on ATC of designation resources, both on-system and off-system. Until the standardization process is complete, however, the Commission cannot know whether additional information is required in order to accurately model the designation of an on-system system sale. We will revisit the requirements of section 29.2(v) as necessary after the NERC/NAESB ATC standardization effort is complete. Until such time as those requirements change, transmission providers should continue their existing practices regarding the designation of on-system system sales as network resources. Further clarification as requested by Duke is not necessary.
482	I Non-rate Terms and Conditions, Designation of Network Resources		■		919. The Commission clarifies, in response to South Carolina E&G's request, that the language in paragraph 1521 of Order No. 890 is only meant to be a paraphrase of the more detailed attestation to be provided in the pro forma OATT itself. A network customer designating network resources should submit an attestation using the language set forth in sections 29.2(viii) and 30.2 of the pro forma OATT, as amended in Order No. 890, not the language of the preamble. A network customer is not permitted to merely reference the applicable section of the pro forma OATT when completing the attestation requirement. If the OASIS customer comment section does not currently allow enough space for a network customer to provide its attestation, transmission providers should modify, in coordination with NAESB, OASIS functionality to accommodate the full attestation. In the interim, the transmission provider should identify alternate



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484	I Non-rate Terms and Conditions, Designation of Network Resources			■	means, such as by telefax or e-mail, for the network customer to provide the attestation. 923. We recognize that, in some circumstances, the external transmission provider may not have an OASIS or make relevant information on its OASIS available to other transmission providers and, therefore, the host transmission provider may be unable to at a specific point in time will not result in the network customer permanently forfeiting its rights to use that resource as a designated network resource. Any change in ATC that is determined by the transmission provider to have resulted from the temporary termination shall be posted on OASIS during this temporary period. A request that is not accompanied with a request to redesignate that resource at a specific point in time is to be considered an indefinite termination. After an indefinite termination of a resource, the network customer has no continuing rights to the use of such resource and future requests to designate that resource would be processed consistent with section 30.2 of the pro forma OATT as a designation of a new network resource.
511	Non-rate Terms and Conditions, Transmission Curtailments	■			973. The Commission did not propose in the NOPR, or adopt in Order No. 890, any changes to the terms and conditions under which a transmission provider may curtail service to maintain reliable operation of the grid, as set forth in sections 13.6 and 14.7 for point-to-point service and section 33 for network service. The Commission did, however, conclude that the posting of additional curtailment information is necessary to provide transparency and allow customers to determine whether they have been treated in the same manner as other transmission system users, including customers of the transmission provider. Accordingly, the Commission required transmission providers, working through NAESB, to develop a detailed template for the posting of additional information on OASIS regarding firm transmission curtailments, including all circumstances and events contributing to the need for a firm service curtailment, specific services and customers curtailed (including the transmission provider's own retail loads), and the duration of the curtailment.

Appendix C. - Pro Forma Open Access Transmission Tariff

4 Open Access Same-Time Information System (OASIS)

Terms and conditions regarding Open Access Same-Time Information System and standards of conduct are set forth in 18 CFR § 37 of the Commission's regulations (Open Access Same-Time Information System and Standards of Conduct for Public Utilities) and 18 C.F.R. § 38 of the Commission's regulations (Business Practice Standards and Communication Protocols for Public Utilities). In the event available transfer capability as posted on the OASIS is insufficient to accommodate a request for firm transmission service, additional studies may be required as provided by this Tariff pursuant to Sections 19 and 32.

The Transmission Provider shall post on OASIS and its public website an electronic link to all rules, standards and practices that (i) relate to the terms and conditions of transmission service, (ii) are not subject to a North American Energy Standards Board (NAESB) copyright restriction, and (iii) are not otherwise included in this Tariff. The Transmission Provider shall post on OASIS and on its public website an electronic link to the NAESB website where any rules, standards and practices that are protected by copyright may be obtained. The Transmission Provider shall also post on OASIS and its public website an electronic link to a statement of the process by which the Transmission Provider shall add, delete or otherwise modify the rules,



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	standards and practices that are not included in this tariff. Such process shall set forth the means by which the Transmission Provider shall provide reasonable advance notice to Transmission Customers and Eligible Customers of any such additions, deletions or modifications, the associated effective date, and any additional implementation procedures that the Transmission Provider deems appropriate.				

Retail Matrix Work Plan for NAESB EE/DSM Standards

#	Task	Description	Deliverable	Completion Date	Who
1	Finalize the retail matrix spreadsheet	The retail matrix spreadsheet will provide the basis for a utility survey to determine what types of M&V are currently underway for current or past DR programs and what is planned for new programs.	- Decide if spreadsheet needs to be reformatted. - Add additional columns – past programs, current programs, proposed programs - Add examples from BGE and Alabama Power		
2	Conference Call	See agenda	Come to consensus on the approach for retail matrix	1/17/08	Work group
3	Finalize cover letter for survey	Develop a cover letter to transmit the survey to target utilities	Provide cover letter draft for review Describe what is expected and how to respond.		
4	Identify survey targets	Identify who the survey will be sent to	List of survey participants		
5	Mail and distribute survey	Decide on date to send the survey	Individual utilities will be expected to list past, current and potential DR programs along with the requested information in the matrix based on the representative examples to be provided with the matrix		
6	Collect and summarize survey results	The survey instrument will request each participant to submit their responses. Responses will be reviewed and segregated into types of programs	A summary report will be produced which describe the quality of the responses and the general types of programs that were submitted. This will be a qualitative assessment to determine the next steps of evaluation and the level of effort required		
7	Report to NAESB	Report out on preliminary assessment of the responses with a proposed work plan to complete the analysis and recommend next steps	Discussion at March NEASB meeting		3/28/08
8					
9					

NAESB Retail DSM-EE Matrix Draft
For Review January 23, 2008

How to use this Matrix:

To the best of your ability fill in the matrix with the descriptions for the columns as noted below. If there are multiple programs or product names or triggers within a Class of DR Resource, please include their names and the trigger actions as appropriate. If there are different M&V requirements within a Class of DR Resource include them separated by a notation as to which product name it applies. There is no limit to the amount of information you add for each box, (this should occur rarely). Please note that the description text provided for specific programs is used as examples to put the issue identified in the heading within context. Companies may have different or similar descriptions for programs. There may or may not have differences in program qualification versus program implementation.

This Section in below in Blue is meant to clarify and focus the M&V content to be filled in the matrix following

Column Header	Objective	Frequency	Description
Qualification/ testing/ auditing	To ensure that the DR resources are capable of performing, thereby delivering the product(s) being purchased.	Prior to participation in market, and ongoing.	Up front process to verify adequate infrastructure (measurement & data recording and communication equipment and data validation procedures) in place. May include on-site inspections, data transfers, actual load reduction test to verify that the resource is able to deliver the committed reductions. Process & procedures for disqualification.
Data reporting- frequency and monitoring	To ensure adequate information to measure DR performance, accurate settlement and real-time operating data as appropriate.	Ongoing and/or event-driven.	Requirements around transmittal of meter and/or telemetry data to market. Includes validation, editing & estimation (VEE). <i>If reporting for a particular product is differentiated by what it is used for, e.g. operations, planning or settlement only. For VEE - addressing missing values, high-low checks, etc..</i>
Meter and equipment standards	To ensure appropriate granularity (frequency of data collection), frequency of data communication, accuracy and validity of data.	Ongoing or event-driven.	Requirements for meter accuracy, calibration, precision & testing and frequency of above.
Performance/ baseline	To ensure the methodologies and techniques used to calculate load response and/or recovery produce results that are within the required error tolerances (i.e., +/- X%).	Ongoing or event-driven.	Method(s) and techniques used to calculate the DR resource's expected load absent the DR instruction or request. Load response is the difference between its actual metered load and the calculated baseline. <i>How is the baseline calculated.</i>
Statistical sampling of non-interval metered loads	To ensure that the methodologies and techniques used to calculate load response and/or recovery create a statistically valid use alternative to interval metering for measuring DR performance or aggregations of loads, produce results that are statistically valid.	Ongoing or event-driven.	Methodology for creating a statistically valid alternative to universal interval metering, to include precision & accuracy requirements, sample size and selection requirements and bias control.
Deployment Limitations	Define any maximum number of events or hours of program deployment. <i>Limitations of the number of times the event is called, the length of an event, the % of participants</i>	N/A	Restrictions of program operation and /or participation.
Regulatory and market context	<i>This would be helpful to identify the different regulatory contexts under which programs operate.</i>	N/A	Context under which the service or program is being offered.
Class of DR Resources	Notes:		
Submitter	These columns were added to indicate the submitters and the status of the programs described		
Status	These columns were added to indicate the submitters and the status of the programs described		
Product Type			
Category	Ancillary Services, Capacity, Energy Voluntary, Energy Price		
Program or Product Name	Need to compile a list of programs. Each ISO/RTO calls their products and programs different things. In order to track and define similarities and then translate that back to each ISO/RTO this field should include the program or product name		
When is Product expected to perform -Trigger events	Questionable on whether this is needed for development of M&V model business practices for the retail market - this column is needed for the ISO/RTO matrix. This trigger event will probably vary from company to company. Triggers require date and time stamps. Each ISO/RTO program or product has unique trigger events their products and programs different things. In order to track and define similarities and then translate that back to each ISO/RTO this field should include the trigger action for the program or product.		
Qualification/ testing/ auditing	How do you verify that the equipment is operating as expected?		
Data reporting- frequency and monitoring	Utility best practices should be followed in addressing missing data or questionable data with techniques used to estimate or edit data. Retail business practices may be developed to define parameters supporting addressing estimates or editing to replace missing or questionable data.		
Meter and equipment standards	This could include support of ANSI standards for the performance of the meter equipment or control devices for the equipment. There is a difference between the sample population and the normal target population and is dependent on the investment made by the utility.		
Performance/ baseline	How is an acceptable default reached for a utility operating in a non-ISO footprint? ISOs establish baselines and compare to usage immediately prior to an event. Not a common standard across ISOs at this time. Baselines may vary depending on age of equipment and other criteria. ISO-NE has developed baselines directed to energy efficiency in addition to demand response. Any program developed would benefit from a definition of how the baseline is calculated.		
Statistical sampling of non-interval metered loads	The data below is an example of this column could be filled in and highlights the issues that should be discussed.		
Deployment Limitations	Limitations of the number of times the event is called, the length of an event, the % of participants		
Regulatory and market context			

NAESB DSM-EE Retail Matrix Draft
For Presentation on January 23, 2008

Specifics of the DR Program Being Described			M&V Aspects of the DR Programs			
Class of DR Resources			Qualification/ testing/ auditing	Data reporting-frequency and monitoring	Meter and equipment standards	Performance/ baseline
Capacity	Submitter	Dominion	Verification: Operate a pilot program to determine that at least 95% of devices both receive and respond to signal to turn off WH at the beginning of the program. Depending on the manufacturers and device, the verification may come from a signal back from device, a data logger, or an IDR on the meter. Ongoing, a sample of at least 250 devices should be tested at least every 5 years to determine the overall failure rate and to develop a net to gross ratio. This ratio will be applied to the deemed kW per customer reduction from the load study.	Data from IDR will be collected on monthly meter reading route for pilot and sample accounts. When program is implemented, the profiled reduction from the sample will be deemed to be the reduction for the program population. Monthly data will be required for PJM settlement	The customer's meter will continue to be used for billing determinants. The WH control switches should be included in the periodic meter tests to verify that 95% of the devices remain operational. The communication signal must be tested annually. Accounts in the load profile sample should have an end-use recorder on the water heater as well as a whole house recorder. Thirty minute interval data is adequate, although fifteen minute data on the water heater is considered preferable.	The algorithm that provides a reasonable estimate of normal customer usage absent any water heater interruption will be utility (and program specific). The CBL formula that is approved by the utility's ISO should be an acceptable default alternative.
	Status	Program not in effect today				
	Product type					
	Category					
	Program or Product Name	Residential Water Heater Control Program				
	Trigger Events	when system load is critical (defined as ____) or when zone load is priced at or above \$____ or transmission constraints in zone (defined as ____)				
Energy Price	Submitter	Dominion	Each customer site will provide a dedicated IBM compatible PC with a modem in order to receive the price transmissions and the telecommunication equipment needed for the company to communicate with the meter (dedicated phone line, cellular phone modem, etc.) The company will provide the software to allow receipt of the RTP prices as well as to perform analytical and graphical functions. The company will install an IDR . A rate contract will be executed to insure that the customer fully understands the rate and agrees to a one year minimum commitment. (NOTE: the existing RTP rate is currently closed to new customers.)	The company will maintain access through the provided phone line and will collect half-hourly load data every 24 hours.	Standard billing meter and IDR, meeting company standards for accuracy. Modem and phone line provided by customer.	See Dominion VA Power rate sch.. RTP, paragraph V. DETERMINATION OF BASELINE KW LEVELS, BASELINE ENERGY LEVELS, AND INCREMENTAL ENERGY USAGE.
	Status	Program not in effect today				
	Product type					
	Category					
	Program or Product Name	Real Time Pricing rate (RTP)				
	Trigger Events	when system load is critical (defined as ____) or when zone load is priced at or above \$____ or transmission constraints in zone (defined as ____)				
Ancillary Services	Submitter	Dominion				
	Status	Not completed in the matrix				
	Product type					
	Category					
	Program or Product Name					
	Trigger Events					
Energy Voluntary	Submitter	Dominion				
	Status	Not completed in the matrix				
	Product type					
	Category					
	Program or Product Name					
	Trigger Events					
Capacity	Submitter	Alabama Power	Two way communication devices. We send test and customers respond. Test periodically. In addition, "in field" tests are performed periodically as well	Interval metered data captured and maintained. Actual load evaluated when IS call occurs. Normal load levels evaluated when no call occurs	Utilizes revenue quality meters.	The IS customer is required to cut load to the contracted firm load level. Actual load dropped is determined by evaluation pre and post event load
	Status	In effect Today				

NAESB DSM-EE Retail Matrix Draft
For Presentation on January 23, 2008

Specifics of the DR Program Being Described			M&V Aspects of the DR Programs			
Class of DR Resources			Qualification/ testing/ auditing	Data reporting-frequency and monitoring	Meter and equipment standards	Performance/ baseline
	Product type	Interruptible Load		This allows for a determination of expected results when called. Program requirements are that customer drop to firm level during a call. No "reduction" constraints utilized.		Establishing pre and post event loss levels of each customer.
	Category	Capacity				
	Program or Product Name	Industrial Interruptible Program, IS Program				
	Trigger Events	During a System Reliability Alert "System Alarm" notice. Can be utilized for locational reliability issues if necessary.				
Capacity	Submitter	Alabama Power	Two way communication devices. We send test and customers respond. Test periodically.. In addition, "in field" tests are performed periodically as well. Generators are remotely started monthly for reliability purposes.	Two way communication confirms operating equipment.	Utilizes revenue quality meters.	No baseline requirements. Equipment rating and reliability testing determines expected reduction for a call.
	Status	In effect Today				
	Product type	Utilization of customer owned generation				
	Category	Capacity				
	Program or Product Name	Stand By Generator Program				
	Trigger Events	During a System Reliability Alert "System Alarm" notice. Can be utilized for locational reliability issues if necessary.				
Energy	Submitter	Alabama Power	Originally offered years ago prior to any qualification or auditing requirements. None exist today.	TOU metered data captured and maintained. No change or reduction constraints exist.	Utilizes revenue quality meters.	No performance levels expected therefore no baseline required.
	Status	In effect Today				
	Product type	TOU Rates				
	Category	Energy price				
	Program or Product Name	TOU Rates				
	Trigger Events	Various types of TOU rates exist for various types of residential, commercial, and industrial customers. Rates vary by fixed customer charge, season, and time of day. Majority of rates are based on summer and non-summer seasons with peak, intermediate, and off-peak rate periods.				
Capacity	Submitter	BGE	BGE tests a sample of switches periodically. Switch operability studies must be conducted every 5 years, according to PJM, Manual 19: Load Data Systems.	In addition to the periodic sampling of switch operability, BGE conducts Load Research Studies to estimate the average impact for each participant in the program.	For its Load Research Studies, BGE uses ANSI certified meters that have been approved by the PSC for load recording.	For the development of average impacts for water heating, BGE compares non-event days to event days using a comparison of means. The difference between these two (2) load shapes forms the average impacts. PJM requires average impacts for each hour between noon and 8 p.m. The non-event profile is comprised of the hottest days of the summer.
	Status	In effect Today				
	Product type					
	Category					
	Program or Product Name	BGE's Residential Water Heater Control Program (Rider 6)				
	Trigger Events	BGE can activate switches up to 15 times per year for reliability or economic reasons.				
Capacity	Submitter	BGE	BGE tests a sample of switches periodically. Switch operability studies must be conducted every 5 years, according to PJM, Manual 19: Load Data Systems.	In addition to the periodic sampling of switch operability, BGE conducts Load Research Studies to estimate the average impact for each participant in the program.	For its Load Research Studies, BGE uses ANSI certified meters that have been approved by the PSC for load recording.	For the development of average impacts for air conditioning, BGE compares non-event days to event days using regression analysis. The model estimates the average impact provided a particular weather conditions. PJM requires average impacts for each hour between noon and 8 p.m.
	Status	In effect Today				
	Product type					
	Category					
	Program or Product Name	BGE's Residential Air Conditioner Control Program (Rider 5)				
	Trigger Events	There is no limit to the number of times BGE can activate switches for reliability or economic reasons.				
To the extent that NAESB can provide some protocols that would assist groups such as ISOs in evaluating the effectiveness of programs would be helpful.						

NAESB DSM-EE Retail Matrix Draft
For Presentation on January 23, 2008

Specifics of the DR Program Being Described			M&V Aspects of the DR Programs			
Class of DR Resources			Qualification/ testing/ auditing	Data reporting-frequency and monitoring	Meter and equipment standards	Performance/ baseline
Time of Use Examples: Schedule of prices published such the consumer can determine his energy consumption based in part on price signals published.						
Real Time Pricing						
Demand Charges						
Peak Time Rebates						
Planning Peak Alerts						
Interruptible/Curtailable Management Rates						
Thermal Storage/Energy Storage						
Standby Generation Rates (emergency generators and distributed generators)						
Smart Appliances						
Ancillary Programs						

NAESB DSM-EE Retail Matrix Draft
For Presentation on January 23, 2008

Specifics of the DR Program Being Described						
Class of DR Resources				Statistical sampling of non-interval metered loads	Deployment Limitations	Regulatory and market context
Capacity	Submitter	Dominion		An initial sample of 250 homes will provide a reasonably accurate estimate of load reduction that should be within +/- 5% of the true mean at a 90% confidence interval. The estimate for each demand reduction should be calculated with a 90% confidence level and the accuracy determined for each load reduction. An average error bound within +/- 10% will be considered to be accurate. If the net to gross operability study has remained at or above 90%, a sample of 100 homes will be adequate and should produce an error bound within +/- 5%. If net to gross operability drops below 90%, then a full sample of 250 homes will be required. If a tighter error bound is necessary, a larger sample will be required. (NOTE: This recommendation based on "PJM Deemed Savings for Legacy AC/WH Programs" report.)		
	Status	Program not in effect today				
	Product type					
	Category					
	Program or Product Name	Residential Water Heater Control Program				
	Trigger Events	when system load is critical (defined as ____) or when zone load is priced at or above \$ ____ or transmission constraints in zone (defined as ____)				
Energy Price	Submitter	Dominion		Not sampled.		
	Status	Program not in effect today				
	Product type					
	Category					
	Program or Product Name	Real Time Pricing rate (RTP)				
	Trigger Events	when system load is critical (defined as ____) or when zone load is priced at or above \$ ____ or transmission constraints in zone (defined as ____)				
Ancillary Services	Submitter	Dominion				
	Status	Not completed in the matrix				
	Product type					
	Category					
	Program or Product Name					
	Trigger Events					
Energy Voluntary	Submitter	Dominion				
	Status	Not completed in the matrix				
	Product type					
	Category					
	Program or Product Name					
	Trigger Events					
Capacity	Submitter	Alabama Power		N/A	Customer has options to choose various call constraints. Chosen option	PSC regulated tariff
	Status	In effect Today				

NAESB DSM-EE Retail Matrix Draft
For Presentation on January 23, 2008

Specifics of the DR Program Being Described						
Class of DR Resources				Statistical sampling of non-interval metered loads	Deployment Limitations	Regulatory and market context
	Product type	Interruptible Load				
	Category	Capacity				
	Program or Product Name	Industrial Interruptible Program, IS Program				
	Trigger Events	During a System Reliability Alert "System Alarm" notice. Can be utilized for locational reliability issues if necessary.				
Capacity	Submitter	Alabama Power		N/A	Program rules set minimum 250 kW size to participate in the program. Program call constrained to 8 hours per day, 5 days per week, 240 hours per year.	PSC regulated tariff
	Status	In effect Today				
	Product type	Utilization of customer owned generation				
	Category	Capacity				
	Program or Product Name	Stand By Generator Program				
	Trigger Events	During a System Reliability Alert "System Alarm" notice. Can be utilized for locational reliability issues if necessary.				
Energy	Submitter	Alabama Power		N/A	Various TOU rates are available to customers meeting specific SIC codes. Some require separate metering for specific end uses such as irrigation pumps, electric vehicle charging, etc.	PSC regulated tariff
	Status	In effect Today				
	Product type	TOU Rates				
	Category	Energy price				
	Program or Product Name	TOU Rates				
	Trigger Events	Various types of TOU rates exist for various types of residential, commercial, and industrial customers. Rates vary by fixed customer charge, season, and time of day. Majority of rates are based on summer and non-summer seasons with peak, intermediate, and off-peak rate periods.				
Capacity	Submitter	BGE		Load data are obtained from meters that were installed on 65 customers' water heaters. This stratified sample design provides a confidence of 90% ± 10% accuracy.		
	Status	In effect Today				
	Product type					
	Category					
	Program or Product Name	BGE's Residential Water Heater Control Program (Rider 6)				
	Trigger Events	BGE can activate switches up to 15 times per year for reliability or economic reasons.				
Capacity	Submitter	BGE		Load data are obtained from meters that were installed on 100 customers' air conditioner units. This stratified sample design provides a confidence of 90% ± 10% accuracy.		
	Status	In effect Today				
	Product type					
	Category					
	Program or Product Name	BGE's Residential Air Conditioner Control Program (Rider 5)				
	Trigger Events	There is no limit to the number of times BGE can activate switches for reliability or ecomic reasons.				
To the extent that NAESB can provide some protocols that would assist groups such as ISOs in evaluating the effectiveness of programs would be helpful.						

NAESB DSM-EE Retail Matrix Draft
For Presentation on January 23, 2008

Specifics of the DR Program Being Described					
Class of DR Resources			Statistical sampling of non-interval metered loads	Deployment Limitations	Regulatory and market context
Time of Use Examples: Schedule of prices published such the consumer can determine his energy consumption based in part on price signals published.					
Real Time Pricing					
Demand Charges					
Peak Time Rebates					
Planning Peak Alerts					
Interruptible/Curtailable Management Rates					
Thermal Storage/Energy Storage					
Standby Generation Rates (emergency generators and distributed generators)					
Smart Appliances					
Ancillary Programs					

ISO/RTO Work Plan for NAESB Wholesale EE/DSM Standards

#	Task	Description	Deliverable	Completion Date	Who
1	Finalize Framework	The draft framework will serve as a basis for documenting the technical M&V requirements for the different ISO/RTO products. It should guide each ISO-RTO in answering the questions of Why, When, and What M&V is done.	Each ISO should provide comments on the Objectives, Frequency and Description. Each ISO/RTO should add any additional comments that it feels it needs to describe the products, (this will help to synthesize any commonalities between products and ISO/RTOs). If the list of product classes are not representative, please comment.	10/30/07 <i>Complete</i>	All
2	ISO/RTO Conference Call	This call is designed to discuss comments submitted in regard to the Framework	Come to consensus on the Framework	Week of November 19, 2007 TBD <i>Complete</i>	All
3	Report to NAESB DSM/EE Standards Committee	At the September 25th meeting the ISO/RTOs tacitly agreed to report back to the Committee on how we plan on completing the task by the end of the 1st quarter of 2008.	Report to NAESB DSM-EE Task Force the status of the ISO/RTO Wholesale standards development.	11/30/07 <i>Complete</i>	P. Wattles, E. Winkler
4	Add M&V technical data	Each ISO/RTO will fill in the matrix with appropriate technical requirements and how the M&V activity is implemented (where appropriate) for each of its products and each M&V area.	A completed Draft Matrix with the general description of the M&V areas, products and technical information in M&V requirements for each ISO/RTOs range of products.	12/15/07 <i>Complete</i>	All
5	ISO/RTO Conference Call	This call is designed to review progress on data synthesis from the Framework	Develop status update on development of wholesale standards	January 14, 2008 <i>Complete</i>	All
6	Report to NAESB DSM/EE Task Force	Status report of Wholesale standards	Report to NAESB the status of the ISO/RTO Wholesale standards development.	1/23/2008	P. Wattles, E. Winkler
7	Update M&V Technical Data	ISO/RTOs will update matrices with appropriate expanded technical requirements.	Expanded draft Matrix	1/30/2008	All
8	ISO/RTO Conference Call	This call is designed to review progress on data synthesis from the Framework	Develop status update on development of wholesale standards	Week of 2/11/08, TBD.	All
9	Draft Wholesale Standards	Synthesize Technical Requirements into draft Standards	Draft Standards will be developed by processing the technical requirements provided by all the ISO/RTOs to find commonalities and or create ranges of requirements	2/29/08	E. Winkler lead, Scott COE, review by All
10	ISO/RTO Conference Call	This call is designed to review and discuss the draft wholesale standards.	Provide agreement on draft standards to be submitted to NAESB	Week of March 10, 2008. TBD	All
11	Present Wholesale standards developed by ISO/RTOs to NAESB DSM/EE Standards Committee	ISO-RTO document presented as a draft for wider NAESB stakeholder consideration and comment	Report to NAESB on documented ISO/RTO Wholesale DR M&V standards for use in developing proposed NAESB standards and/or model business practices.	3/28/08 Houston TX	P. Wattles, E. Winkler

Yellow denotes added item

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Please add names to this list if appropriate

Changes from first draft are shown in italics, based on comments from the group

How to use this Matrix:

To the best of your ability fill in the white boxes below. If there are multiple programs or product names or triggers within a Class of DR Resource, please include their names in Column C and the trigger actions as appropriate in column D. If there are different M&V requirements within a Class of DR Resource include them separated by a notation as to which product name it applies. There is no limit to the amount of information you add for each box.(this should occur rarely)

					<i>This Section in below in Blue is meant to clarify and focus the M&V content to be filled in below</i>					
Class of DR Resources	Product Type	IRC/NERC Category (Ancillary Services, Capacity, Energy Voluntary, Energy Price)	ISO/RTO Program or Product Name	When is Product expected to perform - Trigger events		Qualification/ testing/ auditing	Data reporting-frequency and monitoring	Meter and equipment standards	Performance/ baseline	Statistical sampling of non-interval metered loads
Capacity										
Ancillary Services										
Energy Price										
Energy Voluntary										
			Explanation Each ISO/RTO calls their products and programs different things. In order to track and define similarities and then translate that back to each ISO/RTO this field should include the program or product name	Explanation Each ISO/RTO program or product has unique trigger events their products and programs different things. In order to track and define similarities and then translate that back to each ISO/RTO this field should include the trigger action for the program or product.						



NORTH AMERICAN ENERGY STANDARDS BOARD

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December 21, 2007
 Filed Electronically

The Honorable Kimberly D. Bose
 Secretary
 Federal Energy Regulatory Commission
 888 First Street N.E., Room 1A
 Washington, D.C. 20585

RE: Standards for Business Practices of Public Utilities (Docket No. RM 05-5 et al)

Dear Ms. Bose:

The North American Energy Standards Board ("NAESB") herewith submits this report to the Federal Energy Regulatory Commission ("FERC" or "Commission") regarding NAESB's activities from January 2005 to October 2007 with respect to the adoption of Version 001 of the NAESB Wholesale Electric Quadrant ("WEQ") standards. The NAESB WEQ Version 001 standards were ratified by NAESB WEQ membership and published on October 31, 2007. An executive summary of the changes which resulted in Version 001 is included in the attached report, along with a list of the standards that were created or modified as part of Version 001. Several minor corrections were applied to Version 001 and are also included in this filing. A few of the new standards developed that comprise Version 001 were also filed separately and acted upon separately by the FERC. A cross reference of those actions is included.

The standards included in this submittal do not include modifications of existing standards or new standards to support FERC Order No. 890, with the exception of modifications to resales and transfers to address FERC's rules for resales as described in the order (Paragraph 815 and Footnote 496). The results of the remaining standards development associated with Order No. 890 will be submitted separately, and coordinated with the North American Electric Reliability Corporation ("NERC"). The NAESB business practices related to Available Transfer Capability ("ATC") will be submitted to FERC on or before August 7, 2008 as noted in a recent issuance from FERC¹.

Several of the development efforts in NAESB reflect the work of multiple quadrant or market interests. For example, the gas-electric coordination was a group effort undertaken by both the wholesale gas and wholesale electric market interests. In addition, the NAESB WEQ has also worked in close coordination with the North American Electric Reliability Corporation ("NERC") on business practice standards that are complementary to NERC reliability standards so that the standards for both organizations remain in lock-step for consistency in the wholesale electric industry. The cross-quadrant and inter-organization collaborations are not only permitted in the NAESB process, but also encouraged – to provide an environment in which standards development has a broader vetting in the industry and a resulting broader application.

¹ FERC Notice of Extension of Time, Issued December 6, 2007, in Docket Nos. RM05-25-000 and RM05-17-000

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December 21, 2007
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Some of the standards development activity undertaken that produced Version 001 had considerable industry debate before an agreement was reached on the level of standardization needed and the actual text of the standards themselves. The NAESB process supports a wide range of perspectives, and through a public process permitting all segments of the marketplace to voice equally their issues, balanced voting allows a disparate group to move towards consensus. As such, NAESB was able to produce and/or modify standards for Transmission Loading Relief, Coordinate Interchange, Manual Time Error Correction, Gas / Electric Coordination, modifications to existing Open Access Same Time Information Systems (OASIS) standards as well as new OASIS functionality, a Standards of Conduct link on OASIS, the creation of an OASIS Standards and Communication Protocols Implementation Guide, standards for Public Key Infrastructure, and the NAESB WEQ Standards of Conduct.. Additional changes adopted by the WEQ for Version 001 can be classified as maintenance to support current market practices.

All requests for new standards or modifications of existing standards and requests for interpretation are posted on the NAESB home page. All work papers and recommendations from subcommittees and task forces regarding the requests are also posted on the NAESB home page (www.naesb.org). Participation in the task forces and subcommittees where requests are addressed and recommended standards are formulated is open to any interested party regardless of membership. Should a participant be unable to attend a meeting where a request of interest is discussed, the party may prepare written comments, which will be posted as work papers for the subcommittee or task force.

The Executive Committee meetings where these standards were discussed and adopted took place from January 2005 to October 2007. The minutes of these meetings are provided as links, which include the voting records of the Executive Committee. The ratification ballots and member ratification voting record results are also included as links. All comments that were filed on the standards as part of the NAESB formal comment period are also included as links.

The cover letter, report and enclosures are being filed electronically as a single document in Adobe Acrobat® Print Document Format (.pdf), and each enclosure is bookmarked separately. The cover letter, report and enclosures are also provided in Microsoft Word 2003 format. The filing is also available on the NAESB web site (www.naesb.org). Please feel free to call me at (713) 356-0060 or refer to the NAESB website (www.naesb.org) should you have any questions or need additional information regarding the NAESB WEQ Version 001 standards.

Respectfully submitted,

Rae McQuade

Ms. Rae McQuade
President & COO, North American Energy Standards Board



NORTH AMERICAN ENERGY STANDARDS BOARD

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December 21, 2007
 Page 3

cc without enclosures: Chairman Joseph Kelliher, Federal Energy Regulatory Commission
 Commissioner Suede Kelly, Federal Energy Regulatory Commission
 Commissioner Philip D. Moeller, Federal Energy Regulatory Commission
 Commissioner Marc Spitzer, Federal Energy Regulatory Commission
 Commissioner Jon Wellinghoff, Federal Energy Regulatory Commission
 Michael Desselle, NAESB Chairman and CEO
 William P. Boswell, NAESB General Counsel
 James H. Buccigross, NAESB Executive Committee Chair
 Kathy York, NAESB WEQ Executive Committee Chair
 Laura Kennedy, Director, NAESB Standards Development

Enclosures (all documents and links available publicly on the NAESB web site – www.naesb.org):

Appendix A	Executive Committee Meeting Minutes, Comments and Voting Records Links
Appendix B	Ratification Ballots and Results Links
Appendix C	List of Available Meeting Transcripts
Appendix D	Cross Reference of Standards Adopted in Version 001 to FERC actions on those standards
Appendix E	NAESB Process for Standards Development

**UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION**

**Standards for Business Practices and
Communication Protocols for Public Utilities**)

Docket No. RM 05-5 et al

REPORT OF THE NORTH AMERICAN ENERGY STANDARDS BOARD

The North American Energy Standards Board ("NAESB") is voluntarily submitting this report in accordance with the Commission's Order No. 676 in the above referenced docket. The report includes a summary of the changes that resulted in Version 001 of the wholesale electric quadrant standards, along with a list of the standards that were created or modified as part of Version 001 -- cross-referenced both by request number and by version. The standards can be downloaded from the NAESB home page (www.naesb.org).

In January 2002, the Gas Industry Standards Board ("GISB") became the wholesale gas quadrant (WGQ) of NAESB and three other quadrants were formed, the Wholesale Electric Quadrant (WEQ), the Retail Gas Quadrant, and Retail Electric Quadrant. NAESB WEQ Version 0 standards were adopted by the WEQ and published on January 15, 2005.

There are five enclosures supporting the report. Provided in Appendix A is a list of the links to the minutes from the Executive Committee ("EC") meetings during which recommendations were considered that resulted in Version 001 of the NAESB WEQ standards. The EC minutes include discussion of recommendations from task forces and subcommittees, which ultimately resulted in the standards for Version 001. The EC voting records are attached as part of the minutes. Also included in Appendix A is the list of links to all comments filed on the standards that were recommended for adoption to the EC. Provided in Appendix B is the list of links to the NAESB membership ratification ballots, which include the EC adopted recommendations that are the basis for the Version 001 changes. Also provided in this Appendix is the list of links to the ratification results. All standards proposed for ratification were ratified by membership. Provided in Appendix C is the list of available transcripts. Appendix D provides a cross reference of FERC actions on NAESB final actions that are now contained in Version 001. More information on any of these actions can be found on the NAESB home page, including all of the minutes and work papers for the subcommittees and task forces, all work papers submitted and all comments provided to subcommittees and task forces in informal comment periods. Lastly, Appendix E provides an overview of the NAESB process by which the standards were adopted.

This report is intended solely as a status report from NAESB regarding Version 001 of its standards. NAESB does not advocate that the Commission take a particular position on any of the issues presented.

Report of the North American Energy Standards Board
Version 1 of the NAESB Wholesale Electric Quadrant Standards
December 21, 2007

VERSION 001 SUMMARY

Presented here is a summary of the activities that led to the compilation of the NAESB Wholesale Electric Quadrant (WEQ) Standards Version 001. All references in this summary pertain only to the wholesale electric quadrant. Supporting documents can be found in Appendices A, B, C, D and E as enclosures to this report. All Version 001 standards that were added or modified are contained in a table following this summary. The table cross references the standards to the related requests for development and the actions that were taken.

Several of the development efforts in NAESB reflect the work of multiple quadrant or market interests. For example, the gas-electric coordination was a group effort undertaken by both the wholesale gas and wholesale electric market interests. In addition, the NAESB WEQ has also worked in close coordination with the North American Electric Reliability Corporation (“NERC”) on business practice standards that are complementary to NERC reliability standards so that the standards for both organizations remain in lock-step for consistency in the wholesale electric industry. This work includes not only joint meetings of NERC Drafting Teams with NAESB Subcommittees, but also joint NERC/NAESB subcommittees. The NERC/NAESB Transmission Loading Relief (“TLR”) Subcommittee met 12 times from December 2004 to June 2005 to work on Version 001 TLR business practice standards and reliability standards. The NAESB WEQ Business Practices Subcommittee met jointly with the NERC TLR Drafting Team 13 times in 2007 to continue work on the Version 001 TLR business practice standards and reliability standards. The NERC/NAESB Joint Interchange Scheduling Working Group (“JISWG”) is a standing joint subcommittee made of both NERC and NAESB participants that worked on modifications to the Coordinate Interchange business practice standards and reliability standards in addition to work on the NERC Registry and other NERC reliability standards. The JISWG has met 40 times since it was organized in 2005 (7 times in 2005, 13 times in 2006, and more than 20 times in 2007 to date). NERC staff also participates on the NAESB WEQ Executive Committee as a member of the Executive Committee with voting rights and privileges. This participation ensures that the work of both organizations remains closely coordinated. These cross-quadrant and inter-organization collaborations are not only permitted in the NAESB process, but also encouraged – to provide an environment in which standards development has a broader vetting in the industry and a resulting broader application.

Some of the standards development activity undertaken that produced Version 001 had considerable industry debate before an agreement was reached on the level of standardization needed and the actual text of the standards themselves. The NAESB process supports a wide range of perspectives, and through a public process permitting all segments of the marketplace to voice equally their issues, balanced voting allows a disparate group to move towards consensus. As such, NAESB was able to produce and/or modify standards for Transmission Loading Relief, Coordinate Interchange, Manual Time Error Correction, Gas / Electric Coordination, modifications to existing Open Access Same Time Information Systems (OASIS) standards as well as new OASIS functionality, a Standards of Conduct link on OASIS, the creation of an OASIS Standards and Communication Protocols Implementation Guide, standards for Public Key Infrastructure, and the NAESB WEQ Standards of Conduct..

Additional changes adopted by the WEQ for Version 001 can be classified as maintenance. For Version 001, the maintenance included removal of references to ERCOT in several of the Version 0 standards.

NERC Related Standards: Transmission Loading Relief, Coordinate Interchange, and Manual Time Error Correction

In Version 0, NAESB submitted four business practice standards complementary to NERC reliability standards: Manual Time Error Correction, Area Control Error Equation Special Cases, Coordinate Interchange, and Inadvertent Interchange Payback. For Version 001, Manual Time Error Correction and Coordinate Interchange have been modified. No significant modifications have been made for Area Control Error Equation Special Cases or Inadvertent Interchange Payback other than for maintenance. In Version 001, the NAESB WEQ has ratified complementary business practice standards to NERC reliability standards for Transmission Loading Relief and made modifications to the Coordinate Interchange Business Practice Standards. Minor corrections have also been made to the Manual Time Error Correction Standards.

Report of the North American Energy Standards Board
Version 1 of the NAESB Wholesale Electric Quadrant Standards
December 21, 2007

On April 10, 2006, the NAESB WEQ ratified business practice standards for Transmission Loading Relief (TLR) (Recommendation R04013A) intended to be complementary to the NERC reliability standards INT-004-1 – Reliability Coordination – Operations Planning and INT-006-4 – Reliability Coordination – Transmission Loading Relief. The TLR business practice standards are the result of a multi-year joint effort of the NERC Transmission Loading Relief Drafting Team and the NAESB WEQ Business Practices Subcommittee to split the existing NERC Transmission Loading Relief reliability standards into reliability and business practice components. On September 1, 2006, the NAESB WEQ TLR standards were further modified to include regional differences for market flows (Recommendation R06002). In September 2007, the NAESB WEQ adopted a minor correction to the TLR business practice standards to correct a typographical error in Section 008-3.6.2.3. On December 2, 2007, the NAESB WEQ adopted an additional minor correction to Recommendation R06002 to correct cross references to the versions of the NERC INT-004 and INT-006 reliability standards. Both minor corrections are incorporated in Version 001 of the TLR business practice standards.

Version 0 of the NAESB WEQ business practice standards included standards for Coordinate Interchange complementary to NERC INT-001 – Reliability Coordination – Responsibilities and Authorities and NERC INT-004 – Reliability Coordination – Operations Planning. The Version 0 Coordinate Interchange standards contained the split of the existing NERC reliability standards into reliability and business practice pieces. NAESB adopted the business practice portions and NERC maintained the reliability portions. The NAESB Coordinate Interchange Business Practices Task Force in conjunction with the NERC Coordinate Interchange Standards Drafting Team went on to develop modifications to the Version 0 Coordinate Interchange business practices and reliability standards for Version 001. On April 4, 2006 and August 28, 2006, NERC submitted Version 001 of its INT reliability standards to the Commission. Since the NERC INT reliability standards were complementary to the NAESB WEQ Coordinate Interchange business practice standards, NAESB submitted the corresponding update to the Coordinate Interchange business practice standards in November 2006.² In February 2007, NAESB submitted a supplemental report to the November 2006 filing that contains a mapping of the WEQ standards to reliability requirements that were removed from the reliability standards in the NERC filing.³ On February 20, 2007, the Commission issued a Notice of Proposed Rulemaking proposing to incorporate by reference in its regulations revisions to the Coordinate Interchange business practice standards (WEQ-004) adopted by the NAESB WEQ. On April 19, 2007, the Commission issued a Final Rule, Order 676-B, amending its regulations under the Federal Power Act to incorporate by reference revisions to the Coordinate Interchange business practice standards (WEQ-004) adopted by the NAESB WEQ.⁴ Since April 2007, the NAESB WEQ has ratified three additional modifications to the Coordinate Interchange business practice standards. These modifications were made as a result of a joint effort of NERC and NAESB via the Joint Interchange Scheduling Working Group (JISWG) that is a committee of both NERC and NAESB industry participants. The modifications were processed as Recommendation R06026/WEQ 2007 Annual Plan Item 1(b); Recommendation R05018; and Recommendation R06025. These modifications were made to account for a regional difference in the Western Electricity Coordinating Council for acceptable back up methods for creating a Request for Interchange, provide for Purchasing-Selling Entity optional approval rights, to add an explanation for the terms “required” and “correctable”, to add a sentence clarifying that tag data elements are not correctable and are not required, and to make the element of energy Product Type required.

The NAESB WEQ has also adopted several modifications to NERC related standards in the form of minor corrections. A minor correction to the Manual Time Error Correction business practice standards (WEQ-006) was submitted to the Commission on October 30, 2006.⁵ The minor correction was to add an exception for Time Error corrections in the Western Interconnection. A separate minor correction was process for the Coordinate Interchange business practice standards and submitted to the Commission on April 9, 2007.⁶ This minor correction was made to correct the Commercial Timing Table section for transactions <1 hour prior to ramp start applying to the Western Interconnection.

² The NAESB status report submitted on November 16, 2006 in Docket No. RM05-5:

http://www.naesb.org/doc_view2.asp?doc=ferc111606.pdf.

³ The NAESB status report submitted on February 5, 2007 in Docket No. RM05-5: http://www.naesb.org/doc_view2.asp?doc=ferc020507.pdf.

⁴ SITE TO ORDER 676-B

⁵ The NAESB status report submitted on October 30, 2006 in Docket No. RM05-5:

http://www.naesb.org/doc_view2.asp?doc=ferc103006_mc.pdf.

⁶ The NAESB status report submitted on April 9, 2007 in Docket No. RM05-5: http://www.naesb.org/doc_view2.asp?doc=ferc040907.pdf.

Report of the North American Energy Standards Board
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December 21, 2007

Gas-Electric Coordination – Communications between Pipelines and Gas Fired Generators

Recommendation R04021 comprises the standards that were adopted to support communication between pipelines and gas-fired generators. These standards were provided in a status report to the Commission on June 27, 2005, and were incorporated by reference by the Commission on June 25, 2007 in Docket No. RM96-1-027. The standards that were created to reflect the gas pipeline-electric generator facility communications in Version 001 were NAESB WEQ Standards 011-0.1, 011-0.2, 011-0.3, 011-1.1, 011-1.2, 011-1.3, 011-1.4, 011-1.5, and 011-1.6 – all new.

Open Access Same Time Information System

Since the Version 0 OASIS business practice standards were submitted to the FERC in January 2005, the NAESB WEQ has ratified several modifications to the existing OASIS Business Practices, OASIS Standards and Communication Protocols, and OASIS Data Dictionary, as well as creating new standards for additional functionality on OASIS.

Modifications were made to the existing OASIS Business Practices (WEQ 001) and S&CPs (WEQ 002) to enhance the standards for Redirects (Recommendations R04035/R05002 and R04006C1). These modifications included a revision to WEQ 001-10.6 as requested by the Commission in Order 676 and the NOPR that preceded Order 676⁷ as well as business practices for a release mechanism on OASIS.

NAESB WEQ adopted new business practices to provide standards for secondary transmission service on OASIS in the form of the Resales and Transfers standards. These standards not only include provisions for Resales and Transfers conducted on OASIS but also standardize how Resales and Transfers are conducted off OASIS (Recommendation R04006D). Additional modifications were made to address FERC's rules for Resales set forth in Order No. 890 (Paragraph 815 and Footnote 496) (Recommendation WEQ 2007 Annual Plan Item 2).⁸

The OASIS Standards and Communication Protocols ("S&CPs") were also revised to include requirements to require a Standards of Conduct Link on OASIS (Recommendation WEQ 2007 Annual Plan Item 3(a)(2). This was also done in response to the Commission's NOPR that preceded Order 676.⁹

The OASIS S&CPs were also split into two documents in order to divide the document into technical requirements and business requirements so that the technical requirements would not have to be revised as often in order to reflect new business requirements (Recommendation R07002). The two resulting documents are the S&CPs (the technical requirements) and the OASIS S&CP Implementation Guide (the business requirements). It is the intent that the S&CPs will only need to be revised in the future if the technical requirements cannot support new or revised business functionality. A minor correction to the standards adopted in Recommendation R07002 was adopted by the WEQ effective November 9, 2007 and was applied to Version 001 of the WEQ business practice standards.

⁷ FERC NOPR Docket No. RM05-5-000 Standards for Business Practices and Communication Protocols for Public Utilities, issued May 9, 2005, Paragraph 32, "We also are concerned about some vague language in Standard 10.6, which states that "for the purposes of curtailment and other capacity reductions, confirmed Redirects on a Non-Firm basis shall be treated comparably to all other types of Non-Firm Secondary Point-to-Point Service." The phrase "all other types" is not defined. We interpret this phrase to apply only to services that are comparable to non-firm secondary point-to-point service, and propose to accept the standard based on this interpretation. We request comments on whether this reflects the intent of this standard." FERC Order No. 676 Docket No. RM05-5-000 Standards for Business Practices and Communication Protocols for Public Utilities, issued April 25, 2006, Paragraph 63, "In this standard, the phrase "all other types" is not defined. In the Standards NOPR, the Commission interpreted this phrase to apply only to services that are comparable to non-firm secondary point-to-point service, proposed to accept the standard based on this interpretation, and invited comments on this interpretation." and Paragraph 65, "Since there is no disagreement with the Commission's interpretation of Standard 001-10.6 in the Standards NOPR, we will adopt this standard as proposed. We will allow the WEQ to determine whether this standard would be clearer if revised as Cinergy proposes."

⁸
⁹ FERC NOPR Docket No. RM05-5-000 Standards for Business Practices and Communication Protocols for Public Utilities, issued May 9, 2005, Paragraph 47, "...In this regard, it would be useful if the WEQ would adopt standards comparable to those NAESB adopted regarding standards of conduct on the gas side.": http://www.naesb.org/doc_view2.asp?doc=ferc050905nopr_rm05_5_000.doc.

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Public Key Infrastructure

The North American Energy Standards Board (NAESB) Wholesale Electric Quadrant (WEQ) has developed standards to establish a secure public key infrastructure (PKI). These standards were ratified by the WEQ membership as Recommendation R03007.

The PKI standards strike a balance between the security goals and implementation provisions of e-MARC with the cost/benefits and significant industry concerns raised in association with the e-MARC program by the ISO-RTO council and others. The resulting standards were developed with significant discussion and debate over the past four years.

The PKI standards describe the requirements that Certification Authorities (CA) must meet in order to claim the electronic certificates issued by the Certificate Authority meet the NAESB WEQ PKI standards. A trusted network of certification authorities is one of the key components needed for secure internet data transfers.

In addition to the Certification Authority and Certificate provisions of these standards, end entities that wish to use the public key infrastructure established by these standards must attest to their understanding of and compliance with the Authorized Certification Authority's Certificate Policy or Certification Practice Statements, and agree to be bound to electronic transactions entered into by the end entity using a valid Certificate issued in the name of the end entity.

Finally, the standards described achieve the level of security commonly used by other industries engaged in commercial transactions across the public internet.

Standards of Conduct

During the August 14, 2007 WEQ Executive Committee meeting, the Executive Committee determined that it would appropriate to remove the existing Standards of Conduct from the NAESB WEQ Business Practice Standards.¹⁰ On October 15, 2007, the WEQ Executive Committee met via conference call and adopted a minor correction to remove all of the business practice standards contained in NAESB WEQ-009 Standards of Conduct. The Minor Correction was posted for WEQ member comment on October 17, 2007¹¹, with comments due on October 31, 2007. Southern Company Generation submitted comments.¹² As noted above, modifications were made to the OASIS S&CPs to create a Standards of Conduct link on OASIS as requested by the Commission in the NOPR that preceded Order 676.

Maintenance

In April 2005, the Electric Reliability Council of Texas (ERCOT) requested to have "ERCOT" removed from North American Energy Standards Board (NAESB) Wholesale Electric Quadrant (WEQ) standards (referred to as "Version 0") where applicable. ERCOT requested this change in the form of Request No. R05007.

Modifications were made to the following business practices as requested by ERCOT: Manual Time Error Correction Standards (WEQ-006) and Inadvertent Interchange Payback Standards (WEQ-007). These modifications were ratified by the WEQ membership as Final Action R05007. No changes were made to Area Control Error (ACE) Equation Special Cases standards (WEQ-005), Transmission Loading Relief (Eastern Interconnection Standards) (WEQ-008), or Coordinate Interchange Standards (WEQ-004) to remove references to ERCOT. ERCOT representatives agreed with making no changes to WEQBPS-005 and WEQBPS-008 and also agreed to direct parallel changes to the Coordinate Interchange Business Practice Standards (WEQ-004) to the NAESB subcommittees working on revisions to those standards.

¹⁰ The WEQ Executive Committee minutes are posted on the NAESB website: http://www.naesb.org/pdf3/weq_ec081407rdm.doc.

¹¹ The request for comments and the Minor Correction are posted on the NAESB website: http://www.naesb.org/pdf3/weq_mc101707reqcom.doc (Request for Comments) http://www.naesb.org/pdf3/weq_mc101707weq009.doc (Minor Correction).

¹² The Southern Company comments are posted on the NAESB website: http://www.naesb.org/pdf3/weq_mc101707weq009_scgen.doc.

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All requests for new standards or modifications of existing standards and requests for interpretation are posted on the NAESB home page. All work papers and recommendations from subcommittees and task forces regarding the requests are also posted on the NAESB home page (www.naesb.org). Participation in the task forces and subcommittees where requests are addressed is open to any interested party regardless of membership. Should a participant be unable to attend a meeting where a request of interest is discussed, the party may prepare written comments, which will be posted as work papers for the subcommittee or task force.

LIST OF NEW STANDARDS, STANDARDS MODIFICATIONS AND INTERPRETATIONS FOR VERSION 001

Request Cross Reference:

The request cross reference lists each standard either modified or created in Version 001, its description, the request that instigated the change, and a brief description of the change itself. If the change was originated through a minor correction, the date of the minor correction is given. The table is sorted by standard numbering shown below. If a standards manual is noted, it is for the set of standards that directly follow and is indicated by the series of standards within the manual.

The standards follow a numbering convention, which is x-y.z(n):

x	standard number and topic
y	subordinate category or section
z(n)	optional further subordinate sections for granularity
A-G, P or M optional:	A - (Appendix A or examples)
	B - (Appendix B)
	C - (Appendix C)
	D - (Appendix D)
	E - (Appendix E)
	F - (Appendix F)
	G - (Appendix G)
	P – Principle
	M – Model

x	Business Topic – Standard Number
	001 OASIS
	002 OASIS Standards and Communication Protocols (S&CP)
	003 OASIS S&CP Data Dictionaries
	004 Coordinate Interchange
	005 ACE Equation Special Cases
	006 Manual Time Error Corrections
	007 Inadvertent Interchange Payback
	008 Transmission Loading Relief
	009 Standards of Conduct
	010 Contracts Related Standards
	011 Gas / Electric Coordination
	012 Public Key Infrastructure (PKI)
	013 OASIS Implementation Guide
y	Subordinate category or section to provide granularity, some of which may be specific categories as noted below:
	001 0 Definition of Terms
	001 1 Provision of Open Access Transmission Service
	001 2 Transmission and Ancillary Services Attributes

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001 3	OASIS Registration Procedures
001 4	On-Line Negotiation and Confirmation Process
001 5	Procurement of Ancillary and Other Services
001 6	Pathnaming Standards
001 7	Next Hour Market Service
001 8	Requirement for Dealing with Multiple Identical Transmission Service Requests
001 9	Requirements for Dealing with Redirects on a Firm Basis
001 10	Redirects on a Non-Firm Basis
001 11	Resales
001 12	Transfers
001 A	Standard 8 Examples (Queue Hoarding)
001 B	Redirect Standards Examples
002 0	Definition of Terms
002 1	RESERVED
002 2	Network Architecture Requirements
002 3	Information Access Requirements
002 4	Interface Requirements
002 5	Performance Requirements
003 0	OASIS Data Dictionary
004 0	Definition of Terms
004 1 to 17	Business Practice Requirements
004 A	Electronic Tagging Service Performance Requirements and Failure Procedures
004 B	Transaction e-Tag Actions
004 C	Required and Correctable Tag Data
004 D	Commercial Timing Table
005 0	Definition of Terms
005 1	Jointly Owned Units
005 2	Supplemental Regulation Service
005 3	Load or Generation Transfer by Telemetry
005 A	Examples of Accounting of Jointly Owned Units as Pseudo-Tie or Dynamic Schedule
006 0	Definition of Terms
006 1 to 3	Business Practice Requirements
006 4	Time Error Initiation
006 5	Interconnection Time Monitoring
006 6	Time Error Correction Labeling
006 7	Time Correction Offset
006 8	Interconnection Time Error Notification
006 9 to 10	Western Interconnection Time Error Notification
006 11	Time Correction on Reconnection
006 12	Leap Seconds
007 0	Definition of Terms
007 1	Inadvertent Interchange Payback
007 2	Other Payback Methods
007 A	Inadvertent Interchange On-and Off-Peak Periods
008 0	Definition of Terms
008 1	General Requirements Regarding Use of Interconnection-wide TLR Procedures

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008 2	Interchange Transaction Priorities for Use With Interconnection-wide TLR Procedures
008 3	Eastern Interconnection Procedure for Physical Curtailment of Interchange Transactions
008 A	Examples of On-Path and Off-Path Mitigation
008 B	Example Calculations of the Per Generator Method
008 C	Transaction Curtailment Formula
008 D	Regional Differences
009 0	RESERVED
009 1	RESERVED
009 2	RESERVED
009 3	RESERVED
009 4	RESERVED
009 5	RESERVED
009 6	RESERVED
010 1	Funds Transfer Agreement
011 0	Definition of Terms
011 1	Business Practice Requirements
012 0	Definition of Terms
012 1	Business Practice Requirements
013 0	Usage of Terms
013 1	RESERVED
013 2	OASIS Transaction Processing
013 3	Specific Template Implementation
013 4	Example Implementation

Request Cross Reference			
Standard	Description	Request No.	Action
WEQ-001 NAESB Open Access Same-Time Information Systems (OASIS) Standards, Version 1.4			
001-0.3	Definition	R04035 & R05002 (01/05/2006)	Modify Definition – “Commission”
001-0.6	Definition	R04006D (10/02/2006)	Modify Definition – “Parent Reservation”
001-0.6	Definition	R04006C1 (04/07/2007)	Modify Definition – “Parent Reservation”
001-0.6	Definition	WEQ 2007 Annual Plan Item 2 (07/23/2007)	Modify Definition – “Parent Reservation”
001-0.10	Definition	R04006D (10/02/2006)	Modify Definition – “Reseller”
001-0.10	Definition	WEQ 2007 Annual Plan Item 2 (07/23/2007)	Modify Definition – “Reseller”

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Request Cross Reference			
Standard	Description	Request No.	Action
001-0.14	Definition	R04035 & R05002 (01/05/2006)	Add Definition - “FERC”
001-0.15	Definition	R04035 & R05002 (01/05/2006)	Add Definition - “Appropriate Regulating Authority”
001-0.16	Definition	R04006D (10/02/2006)	Add Definition - “Assignee”
001-0.17	Definition	R04006D (10/02/2006)	Add Definition - “Eligible Customer”
001-0.18	Definition	R04006D (10/02/2006)	Add Definition - “Financially Obligated Transmission Customer (FOTC)”
001-0.18	Definition	WEQ 2007 Annual Plan Item 2 (07/23/2007)	Modify Definition - “Financially Obligated Transmission Customer (FOTC)”
001-0.19	Definition	R04006D (10/02/2006)	Add Definition - “Resale”
001-0.20	Definition	R04006D (10/02/2006)	Add Definition - “Transfer”
001-1.0	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Modify Standard
001-2.5	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Modify Standard
001-3.1	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Modify Standard
001-4.1	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Modify Standard
001-4.19	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Modify Standard
001-4.20	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Modify Standard
001-7	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Modify Standard
001-9.1.1	Appendix	R04035 & R05002 (01/05/2006)	Add Reference to Appendix B
001-9.1.3	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Modify Standard
001-9.2-A	Appendix	R04035 & R05002 (01/05/2006)	Deleted (New Appendix 001-B)
001-9.3-A	Appendix	R04035 & R05002 (01/05/2006)	Deleted (New Appendix 001-B)
001-9.4	Appendix	R04035 & R05002 (01/05/2006)	Add Reference to Appendix B
001-9.4.1-A	Appendix	R04035 & R05002 (01/05/2006)	Deleted (New Appendix 001-B)

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Request Cross Reference			
Standard	Description	Request No.	Action
001-9.4.2	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Modify Standard Delete Reference to Appendix B
001-9.4.3	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Add Standard
001-9.4.2-A	Appendix	R04035 & R05002 (01/05/2006)	Deleted (New Appendix 001-B)
001-9.5	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Modify Standard
001-9.5-A	Appendix	R04035 & R05002 (01/05/2006)	Deleted (New Appendix 001-B)
001-9.5.1	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Delete Reference to Appendix B
001-9.5.1-A	Appendix	R04035 & R05002 (01/05/2006)	Deleted (New Appendix 001-B)
001-9.5.2	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Modify Standard
001-9.8.1	Business Practice Requirements	R04006D (10/02/2006)	Modify Standard
001-10.1.1	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Add Reference to Appendix B
001-10.1.3	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Delete Standard
001-10.1.5	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Modify Standard
001-10.2-A	Appendix	R04035 & R05002 (01/05/2006)	Delete Appendix (New Appendix 001-B)
001-10.3-A	Appendix	R04035 & R05002 (01/05/2006)	Delete Appendix (New Appendix 001-B)
001-10.4	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Add Reference to Appendix B
001-10.4.1-A	Appendix	R04035 & R05002 (01/05/2006)	Delete Appendix (New Appendix 001-B)
001-10.4.3	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Add Standard
001-10.4.2-A	Appendix	R04035 & R05002 (01/05/2006)	Delete Appendix (New Appendix 001-B)
001-10.5	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Modify Standard
001-10.5-A	Appendix	R04035 & R05002 (01/05/2006)	Delete Appendix (New Appendix 001-B)
001-10.5.1-A	Appendix	R04035 & R05002 (01/05/2006)	Delete Appendix (New Appendix 001-B)

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Request Cross Reference			
Standard	Description	Request No.	Action
001-10.5.2	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Modify Standard
001-10.5.3	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Modify Standard
001-10.5.3	Business Practice Requirements	R04006C1 (04/07/2007)	Modify Standard
001-10.5.3.1	Business Practice Requirements	R04006C1 (04/07/2007)	Add Standard
001-10.5.3.2	Business Practice Requirements	R04006C1 (04/07/2007)	Add Standard
001-10.5.3.2.1	Business Practice Requirements	R04006C1 (04/07/2007)	Add Standard
001-10.5.3.3	Business Practice Requirements	R04006C1 (04/07/2007)	Add Standard
001-10.5.3.4	Business Practice Requirements	R04006C1 (04/07/2007)	Add Standard
001-10.5.3.5	Business Practice Requirements	R04006C1 (04/07/2007)	Add Standard
001-10.5.3.6	Business Practice Requirements	R04006C1 (04/07/2007)	Add Standard
001-10.5.3.6.1	Business Practice Requirements	R04006C1 (04/07/2007)	Add Standard
001-10.5.3.7	Business Practice Requirements	R04006C1 (04/07/2007)	Add Standard
001-10.5.3.8	Business Practice Requirements	R04006C1 (04/07/2007)	Add Standard
001-10.5.3.9	Business Practice Requirements	R04006C1 (04/07/2007)	Add Standard
001-10.8.6	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Modify Standard
001-10.8.7	Business Practice Requirements	R04035 & R05002 (01/05/2006)	Add Standard
001-11.1	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.1.1	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.1.2	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.1.3	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.1.4	Business Practice Requirements	R04006D (10/02/2006)	Add Standard

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Request Cross Reference			
Standard	Description	Request No.	Action
001-11.1.5	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.1.6	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.1.7	Business Practice Requirements	WEQ 2007 Annual Plan Item 2 (07/23/2007)	Add Standard
001-11.2	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.2	Business Practice Requirements	WEQ 2007 Annual Plan Item 2 (07/23/2007)	Modify Standard
001-11.2.1	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.2.1.1	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.2.1.1	Business Practice Requirements	WEQ 2007 Annual Plan Item 2 (07/23/2007)	Delete Standard
001-11.2.2	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.2.2	Business Practice Requirements	WEQ 2007 Annual Plan Item 2 (07/23/2007)	Modify Standard
001-11.3	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.3.1	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.3.2	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.3.3	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.3.4	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.4	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.5	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.5.1	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.5.2	Business Practice Requirements	R04006D (10/02/2006)	Add Standard

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Request Cross Reference			
Standard	Description	Request No.	Action
001-11.5.3	Business Practice Requirements	WEQ 2007 Annual Plan Item 2 (07/23/2007)	Add Standard
001-11.6	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.6.1	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.6.2	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.6.3	Business Practice Requirements	WEQ 2007 Annual Plan Item 2 (07/23/2007)	Add Standard
001-11.7	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-11.7.1	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.1	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.1.1	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.1.2	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.1.3	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.1.4	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.1.5	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.1.6	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.2	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.3	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.3.1	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.3.2	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.4	Business Practice Requirements	R04006D (10/02/2006)	Add Standard

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Request Cross Reference			
Standard	Description	Request No.	Action
001-12.4.1	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.4.2	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.4.2.1	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.4.2.2	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.4.2.3	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.5	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.5.1	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-12.5.2	Business Practice Requirements	R04006D (10/02/2006)	Add Standard
001-B	Appendix	R04035 & R05002 (01/05/2006)	New Appendix (Deleted 001-9.2-A, 001-10.2-A, 001-9.3-A, 001-10.3-A, 001-9.4.1-A, 001-10.4.1-A, 001-9.4.2-A, 001-10.4.2-A, 001-9.5-A, 001-10.5-A, 001-9.5.1-A, 001-10.5.1-A)
WEQ-002 Business Practices for Open Access Same-Time Information System (OASIS) Standards & Communication Protocols, Version 1.4			
002-0.2	Definition	R07002 (9/17/2007)	Added annotations to definitions as they relate to definitions contained in other WEQ Standards.
002-0.3	Definition	R07002 (9/17/2007)	Added annotations to definitions as they relate to definitions contained in other WEQ Standards.
002-0.4	Definition	R07002 (9/17/2007)	Added annotations to definitions as they relate to definitions contained in other WEQ Standards.
002-0.5	Definition	R07002 (9/17/2007)	Added annotations to definitions as they relate to definitions contained in other WEQ Standards.
002-0.6	Definition	R07002 (9/17/2007)	Added annotations to definitions as they relate to definitions contained in other WEQ Standards.
002-0.7	Definition	R07002 (9/17/2007)	Added annotations to definitions as they relate to definitions contained in other WEQ Standards.
002-0.8	Definition	R07002 (9/17/2007)	Added annotations to definitions as they relate to definitions contained in other WEQ Standards.
002-2.1	Business Practice Requirements	WEQ 2007 Annual Plan Item (3)(a)(2) (04/07/2007)	Modify Standard
002-2.1	Business Practice Requirements	R07002 (9/17/2007)	Revised language (002-2.1(d) related to Standards of Conduct
002-2.3	Business Practice Requirements	Minor Correction (10/23/2007)	Changed HTTP Version (002-2.3(d))

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Request Cross Reference			
Standard	Description	Request No.	Action
002-3.3	Business Practice Requirements	R07002 (09/17/2007)	Change document section references to use the correct NAESB Standard enumeration (002-3.3(a)-(c))
002-3.3	Business Practice Requirements	Minor Correction (10/23/2007)	Removed parenthetical phrase “(such as fetch http)” (002-3.3(e))
002-3.4	Business Practice Requirements	WEQ 2007 Annual Plan Item (3)(a)(2) (04/07/2007)	Modify Standard
002-3.4	Business Practice Requirements	R07002 (09/17/2007)	Divided section for informational postings into requirements for INFO.HTM and new section for Standards of Conduct posting requirements (002-3.4(b)); Subsection k deleted per Final Action WEQ 2007 Annual Plan Item 3(a)(2), (002-3.4(b)(ii)(k)); Revised reference to WEQ 002-4.5 instead of section 4.5 – even though Final Action reflected “section” (002-3.4(b)(i))
002-3.6	Business Practice Requirements	R07002 (09/17/2007)	Revised reference to NAESB standards; Typographical error (002-3.6(b))
002-4.1	Business Practice Requirements	R07002 (09/17/2007)	Modify Standard
002-4.2.2	Business Practice Requirements	Minor Correction (10/23/2007)	Corrected reference for OASIS data dictionary.
002-4.2.3.1	Business Practice Requirements	R07002 (09/17/2007)	Changed document section references to use the correct NAESB standard enumeration.
002-4.2.7.2	Business Practice Requirements	Minor Correction (10/23/2007)	Revised example to be consistent with other examples contained in the business practice including: adding version number and removing brackets around data value.
002-4.2.7.3	Business Practice Requirements	Minor Correction (10/23/2007)	Revised example to be consistent with other examples contained in the business practice including: adding version number.
002-4.2.7.5	Business Practice Requirements	R07002 (09/17/2007)	Changed document section references to use the correct NAESB Standard enumeration.
002-4.2.7.6	Business Practice Requirements	R07002 (09/17/2007)	Changed document section references to use the correct NAESB Standard enumeration.
002-4.2.10	Business Practice Requirements	R07002 (09/17/2007)	The introduction to the OASIS transaction process refers the reader to the Implementation Guide for specific detailed information on this process.
002-4.2.10.1	Business Practice Requirements	R07002 (09/17/2007)	The detailed description of the general OASIS transaction process has been moved (deleted (a)-(k)) to the OASIS Implementation Guide WEQ-013-2. This section introduces use of REQUEST_TYPE data element and refers to the Implementation Guide for Specific information related to REQUEST_TYPE.
002-4.2.10.2	Business Practice Requirements	WEQ 2007 Annual Plan Item 2 (07/23/2007)	Modify Standard

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002-4.2.10.2	Business Practice Requirements	R07002 (09/17/2007)	The detailed definitions for the STATUS data element and the STATUS transition state diagram have been moved to the OASIS Implementation Guide WEQ-013-2.2. This section introduces use of STATUS data element and refers to the Implementation Guide for Specific information related to STATUS.
002-4.2.10.3.1	Business Practice Requirements	Minor Correction (10/23/2007)	Revised examples. Removed double quotes and comma from value of STATUS_NOTIFICATION Data Element. In content type example provided data value and added return characters to be consistent with other examples.
002-4.2.12	Business Practice Requirements	R07002 (09/17/2007)	Moved examples to the OASIS Implementation Guide WEQ-013-4.2.
002-4.2.13	Business Practice Requirements	R07002 (09/17/2007)	The information in this section and all subsections has been moved to the OASIS Implementation Guide WEQ-013-2.3
002-4.2.13.1	Business Practice Requirements	R07002 (09/17/2007)	The information in this subsection has been moved to the OASIS Implementation Guide WEQ-013.2.3.
002-4.2.13.2	Business Practice Requirements	R07002 (09/17/2007)	The information in this subsection has been moved to the OASIS Implementation Guide WEQ-013.2.3.
002-4.2.13.3	Business Practice Requirements	R07002 (09/17/2007)	The information in this subsection has been moved to the OASIS Implementation Guide WEQ-013.2.3.
002-4.2.13.4	Business Practice Requirements	R07002 (09/17/2007)	The information in this subsection has been moved to the OASIS Implementation Guide WEQ-013.2.3.
002-4.2.13.5	Business Practice Requirements	R07002 (09/17/2007)	The information in this subsection has been moved to the OASIS Implementation Guide WEQ-013.2.3.
002-4.2.13.6	Business Practice Requirements	R07002 (09/17/2007)	The information in this subsection has been moved to the OASIS Implementation Guide WEQ-013.2.3.
002-4.2.13.7	Business Practice Requirements	R07002 (09/17/2007)	The information in this subsection has been moved to the OASIS Implementation Guide WEQ-013.2.3.
002-4.2.13.8	Business Practice Requirements	R07002 (09/17/2007)	The information in this subsection has been moved to the OASIS Implementation Guide WEQ-013.2.3
002-4.2.13.9	Business Practice Requirements	R07002 (09/17/2007)	The information in this subsection has been moved to the OASIS Implementation Guide WEQ-013.2.3.
002-4.2.13.10	Business Practice Requirements	R07002 (09/17/2007)	The information in this subsection has been moved to the OASIS Implementation Guide WEQ-013.2.3.
002-4.3	Business Practice Requirements	Minor Correction (10/23/2007)	Corrected reference for OASIS data dictionary.
002-4.3.4.1	Business Practice Requirements	Minor Correction (10/23/2007)	In sixth paragraph corrected template reference.
002-4.3.4.2	Business Practice Requirements	Minor Correction (10/23/2007)	Changed references of "Security Coordinator" to "Reliability Coordinator" and "Control Area" to "Balancing Area" to be consistent with current NERC terminology.

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002-4.3.4.2	Business Practice Requirements	Minor Correction (10/23/2007)	Change references of “Balancing Area” to “Balancing Authority” to be consistent with current NERC terminology.
002-4.3.6.1	Business Practice Requirements	R04006C1 (04/07/2007)	Add RELINQUISH to recognized REQUEST_TYPES.
002-4.3.6.2	Business Practice Requirements	R07002 (09/17/2007)	Reference to specific enumerated values for REQUEST_TYPE and STATUS has been removed.
002-4.3.6.3	Business Practice Requirements	R07002 (09/17/2007)	Reference to specific enumerated value for STATUS has been removed.
002-4.3.6.4	Business Practice Requirements	R07002 (09/17/2007)	Reference to specific enumerated value for STATUS has been removed.
002-4.3.8.2	Business Practice Requirements	R07002 (09/17/2007)	Reference to specific enumerated value for STATUS has been removed.
002-4.3.8.3	Business Practice Requirements	R07002 (09/17/2007)	Reference to specific enumerated value for STATUS has been removed.
002-4.3.8.4	Business Practice Requirements	R07002 (09/17/2007)	Reference to specific enumerated value for STATUS has been removed.
002-4.3.10.4	Business Practice Requirements	R07002 (09/17/2007)	Changed specific reference to FERC Statutes with reference to WEQ-009 Standards of Conduct Standards.
002-4.3.10.4	Business Practice Requirements	Minor Correction (10/23/2007)	Revised introductory sentence so English version and OASIS version of template name are both listed consistent with other sections of the document.
002-4.3.10.5	Business Practice Requirements	R07002 (09/17/2007)	Changed specific reference to FERC Statutes with reference to WEQ-009 Standards of Conduct Standards.
002-4.3.10.5	Business Practice Requirements	Minor Correction (10/23/2007)	Revised introductory sentence so English version and OASIS version of template name are both listed consistent with other sections of the document.
002-4.3.10.6	Business Practice Requirements	R07002 (09/17/2007)	Changed specific reference to FERC Statutes with reference to WEQ-009 Standards of Conduct Standards.
002-4.3.10.6	Business Practice Requirements	Minor Correction (10/23/2007)	Revised introductory sentence so English version and OASIS version of template name are both listed consistent with other sections of the document.
002-4.3.11	Business Practice Requirements	Minor Correction (10/23/2007)	Corrected OASIS template name. Changed “dtsconductaudit” to “stdconductaudit”.
002-4.4	Business Practice Requirements	R07002 (09/17/2007)	The contents of this section and all subsections have been moved to the OASIS Implementation Guide WEQ-013-4.1.
002-4.4.1	Business Practice Requirements	R07002 (09/17/2007)	The contents of this subsection have been moved to the OASIS Implementation Guide WEQ-013-4.1.
002-4.4.2	Business Practice Requirements	R07002 (09/17/2007)	The contents of this subsection have been moved to the OASIS Implementation Guide WEQ-013-4.1.

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002-4.4.3	Business Practice Requirements	R07002 (09/17/2007)	The contents of this subsection have been moved to the OASIS Implementation Guide WEQ-013-4.1.
002-4.4.4	Business Practice Requirements	R07002 (09/17/2007)	The contents of this subsection have been moved to the OASIS Implementation Guide WEQ-013-4.1.
002-4.4.5	Business Practice Requirements	R07002 (09/17/2007)	The contents of this subsection have been moved to the OASIS Implementation Guide WEQ-013-4.1.
002-4.4.6	Business Practice Requirements	R07002 (09/17/2007)	The contents of this subsection have been moved to the OASIS Implementation Guide WEQ-013-4.1.
002-4.4.6.1	Business Practice Requirements	R07002 (09/17/2007)	The contents of this subsection have been moved to the OASIS Implementation Guide WEQ-013-4.1.
002-4.4.6.2	Business Practice Requirements	R07002 (09/17/2007)	The contents of this subsection have been moved to the OASIS Implementation Guide WEQ-013-4.1.
002-4.4.6.3	Business Practice Requirements	R07002 (09/17/2007)	The contents of this subsection have been moved to the OASIS Implementation Guide WEQ-013-4.1.
002-4.4.6.4	Business Practice Requirements	R07002 (09/17/2007)	The contents of this subsection have been moved to the OASIS Implementation Guide WEQ-013-4.1.
002-4.4.6.5	Business Practice Requirements	R07002 (09/17/2007)	The contents of this subsection have been moved to the OASIS Implementation Guide WEQ-013-4.1.
002-4.4.6.6	Business Practice Requirements	R07002 (09/17/2007)	The contents of this subsection have been moved to the OASIS Implementation Guide WEQ-013-4.1.
002-4.4.7	Business Practice Requirements	R07002 (09/17/2007)	The contents of this subsection have been moved to the OASIS Implementation Guide WEQ-013-4.1.
002-4.4.7.1	Business Practice Requirements	R07002 (09/17/2007)	The contents of this subsection have been moved to the OASIS Implementation Guide WEQ-013-4.1.
002-4.4.7.2	Business Practice Requirements	R07002 (09/17/2007)	The contents of this subsection have been moved to the OASIS Implementation Guide WEQ-013-4.1.
002-4.5	Business Practice Requirements	WEQ 2007 Annual Plan Item (3)(a)(2) (04/07/2007)	Modify Standard
002-4.5	Business Practice Requirements	R07002 (09/17/2007)	This section was subdivided into two subsections to describe the requirements for information posted on INFO.HTM and new posting requirements for specific Standards of Conduct related information. Under WEQ-009.
002-4.5.1	Business Practice Requirements	WEQ 2007 Annual Plan Item (3)(a)(2) (04/07/2007)	Modify Standard and Numbering (Add: INFO.HTM)
002-4.5.2	Business Practice Requirements	WEQ 2007 Annual Plan Item (3)(a)(2) (04/07/2007)	Add Standard
WEQ-003 NAESB Open Access Same-Time Information Systems (OASIS) Data Dictionary, Version 1.4			
003-0		R04006C1 (04/07/2007)	Modify Standard (REQUEST_TYPE) add Valid Type: RELINQUISH

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Standard	Description	Request No.	Action
003-0		WEQ 2007 Annual Plan Item 2 (07/23/2007)	Add Definition “ANNULLED” for Element Name: STATUS R07002 (09/17/2007) – Modify Standard Definition formatting for Element Name: (REQUEST_TYPE) and (STATUS)
003-0		Minor Correction (10/23/2007)	Clarifications or corrections to the format, appearance, or descriptions of standards in standards documentation; clarifications or corrections to add code values to tables, and clarification and corrections that did not materially change a standard. Other minor corrections applied: - Header – Added reference to indicate the OASIS Version Number to avoid confusion between OASIS 1.5 which is currently under development. - In the Restricted Values column there were multiple generic changes: Used the term “Valid Values” consistently when values were listed, used a consistent approach when listing Valid Values, and used the term “free form text” consistently. - In the Definition of Data Element column there were a limited number of data elements that used the Data Dictionary Element Name in the introductory sentence/phrase. These definitions were revised to remove the Data Dictionary Element Name. - In addition to these changes the following describes changes to specific data elements: AS_TYPE – re-sequenced Valid Values list in Restricted Values and Definition of Data Element to match ANC_SVC_Link. ANC_SVC_LINK – Added examples for DT, TL, and BS in Restricted Values and Definition of Data Element to match AS_TYPE. COLUMN_HEADERS – In Restricted Values and Data Element Definition removed references to having double quotes around column header names. None of the examples in WEQ 002 or WEQ 013 have quotes around these values. Also corrected errors with Data Dictionary Element Names listed in the Definition of Data Element (changed COLUMN_HEADER to COLUMN_HEADERS and APATH_NAME to PATH_NAME). OTHER_CURTAILMENT_PRIORITY – Changed reference of WSCC to WECC. PROCEDURE_NAME - Changed references of WSCC to WECC in Restricted Values and Definition of Data Element. PROCEDURE_LEVEL - Changed references of WSCC to WECC in Restricted Values and Definition of Data Element. REGION_CODE – Under Definition of Data Elements removed references to ECAR, MAIN, and MACC since these Regions no longer exist. Added reference for RFC. Changed reference of WSCC to WECC. RETURN_TZ and TZ – Revised both time zone data

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Standard	Description	Request No.	Action
			elements so they have similar information in Restricted Values and Definition of Data Element. TARIFF_REFERENCE – Moved “Name and description of Tariff” from Restricted Value to Definition of Data Element.
WEQ-004 NAESB WEQ Coordinate Interchange Standards			
	Purpose	R05001 (06/22/2006)	Modify Purpose Statement
	Applicability	R05001 (06/22/2006)	Modify Applicability Statement
	Applicability	R05018 (09/17/2007)	Modify Applicability Statement
004-0.1	Definition	R05001 (06/22/2006)	Modify Definition – “Approval Entity”
004-0.1	Definition	Minor Correction (03/20/2007)	Modify Definition – “Approval Entity”
004-0.1	Definition	R05018 (09/17/2007)	Modify Definition – “Approval Entity”
004-0.2	Definition	R05001 (06/22/2006)	Add Definition - “Arranged Interchange”
004-0.3	Definition	R05001 (06/22/2006)	Modify Definition – “Balancing Authority”
004-0.4	Definition	R05001 (06/22/2006)	Modify Definition – Balancing Authority Area”
004-0.5	Definition	R05001 (06/22/2006)	Add Definition - “Confirmed Interchange”
004-0.6	Definition	R05001 (06/22/2006)	Add Definition - “Curtailment”
004-0.7	Definition	R05001 (06/22/2006)	Add Definition - “Generator-Providing Entity (GPE)”
004-0.7	Definition	Minor Correction (03/20/2007)	Modify Definition – “Generator-Providing Entity (GPE)”
004-0.8	Definition	R05001 (06/22/2006)	Add Definition - “Implemented Interchange”
004-0.9	Definition	R05001 (06/22/2006)	Add Definition - “Interchange”
004-0.10	Definition	R05001 (06/22/2006)	Add Definition - “Interchange Authority (IA)”
004-0.12	Definition	R05001 (06/22/2006)	Add Definition - “Interconnected Operations Service”
004-0.12	Definition	Minor Correction (03/20/2007)	Modify Definition – “Interconnected Operations Service”

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004-0.13	Definition	R05001 (06/22/2006)	Modify Definition – “Load-Serving Entity”
004-0.14	Definition	R05001 (06/22/2006)	Add Definition - “Market Assembly”
004-0.15	Definition	R05001 (06/22/2006)	Modify Definition – “Market Period”
004-0.16	Definition	R05001 (06/22/2006)	Modify Definition – “Purchasing-Selling Entity”
004-0.17	Definition	R05001 (06/22/2006)	Modify Definition – “Reliability Coordinator”
004-0.17	Definition	Minor Correction (03/20/2007)	Modify Definition – “Reliability Coordinator”
004-0.18	Definition	R05001 (06/22/2006)	Modify Definition – “Reliability Period”
004-0.19	Definition	R05001 (06/22/2006)	Add Definition - “Request For Interchange (RFI)”
004-0.19	Definition	Minor Correction (03/20/2007)	Modify Definition - “Request For Interchange (RFI)”
004-0.20	Definition	R05001 (06/22/2006)	Modify Definition – “Requesting Purchasing-Selling Entity”
004-0.21	Definition	R05001 (06/22/2006)	Modify Definition – “Sink Balancing Authority”
004-0.22	Definition	R05001 (06/22/2006)	Modify Definition – “Source Balancing Authority”
004-1	Business Practice Requirements	R05001 (06/22/2006)	Modify Standard Language (Standard Number 004-1.6 in Version 000)
004-1.1	Business Practice Requirements	R05001 (06/22/2006)	New Standard Language
004-1.2	Business Practice Requirements	R05001 (06/22/2006)	Delete Standard
004-1.3	Business Practice Requirements	R05001 (06/22/2006)	Delete Standard
004-1.4	Business Practice Requirements	R05001 (06/22/2006)	Delete Standard
004-1.5	Business Practice Requirements	R05001 (06/22/2006)	Delete Standard
004-1.6	Business Practice Requirements	R05001 (06/22/2006)	Delete Standard
004-2	Business Practice Requirements	R05001 (06/22/2006)	Modify Standard Language (Standard Number 004-6 in Version 000)
004-2	Business Practice Requirements	R06026/2007 AP Item 1(b) (09/17/2007)	Modify Standard

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Standard	Description	Request No.	Action
004-2.1	Business Practice Requirements	R05001 (06/22/2006)	R05001 (06/22/2006) – No change in standard language (Standard Number 004-1.6.1 in Version 0)
004-2.2	Business Practice Requirements	R05001 (06/22/2006)	No change in standard language (Standard Number 004-6.2 in Version 000)
004-2.2	Business Practice Requirements	R06026/2007 AP Item 1(b) (09/17/2007)	Delete Standard
004-3	Business Practice Requirements	R05001 (06/22/2006)	Information from Appendix A and 004-1.1 added to standard after deletion of Appendix A
004-3.1	Business Practice Requirements	R05001 (06/22/2006)	Information from Appendix A and 004-1.1 added to standard after deletion of Appendix A
004-4	Business Practice Requirements	R05001 (06/22/2006)	No change in standard language (Standard Number 004-1.2 in Version 000)
004-4	Business Practice Requirements	Minor Correction (03/20/2007)	Modify Standard
004-4.1	Business Practice Requirements	R05001 (06/22/2006)	Delete Standard
004-4.2	Business Practice Requirements	R05001 (06/22/2006)	Delete Standard
004-5	Business Practice Requirements	R05001 (06/22/2006)	Modify standard reference from Appendix D to Appendix C (Standard Numbers 004-1.3 and 004-1.5 in Version 0)
004-5	Business Practice Requirements	Minor Correction (03/20/2007)	Modify Standard
004-6	Business Practice Requirements	R05001 (06/22/2006)	Modify standard reference from Appendix C to Appendix B (Standard Number 004-1.4 in Version 0)
004-6	Business Practice Requirements	Minor Correction (03/20/2007)	Modify Standard
004-6.1	Business Practice Requirements	R05001 (06/22/2006)	New Standard Language Minor Correction (03/20/2007) – Modify Standard R05018 (09/17/2007) – Modify Standard
004-6.1	Business Practice Requirements	Minor Correction (03/20/2007)	Modify Standard
004-6.1	Business Practice Requirements	R05018 (09/17/2007)	Modify Standard
004-6.1.1	Business Practice Requirements	R05001 (06/22/2006)	No change in standard language (Standard Number 004-3.1 in Version 000)
004-6.1.1	Business Practice Requirements	Minor Correction (03/20/2007)	Modify Standard
004-6.1.1	Business Practice Requirements	R05018 (09/17/2007)	Modify Standard

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Standard	Description	Request No.	Action
004-6.1.2	Business Practice Requirements	R05001 (06/22/2006)	No change in standard language (Standard Number 004-3.1 in Version 000)
004-6.1.2	Business Practice Requirements	Minor Correction (03/20/2007)	Modify Standard
004-6.2	Business Practice Requirements	R05001 (06/22/2006)	Moved Standard Language to 004-2.2 (Deleted standard number)
004-7	Business Practice Requirements	R05001 (06/22/2006)	Modify Standard Language (Standard Numbers 004-2 and 004-2.1 in Version 0)
004-7.1	Business Practice Requirements	R05001 (06/22/2006)	Delete Standard
004-8	Business Practice Requirements	R05001 (06/22/2006)	Modify Standard Language (Standard Numbers 004-1.6, 004-7.1, 004-8.1 in Version 0)
004-8.1	Business Practice Requirements	R05001 (06/22/2006)	Modify Standard Language (Standard Numbers 004-1.6, 004-7.1, 004-8.1 in Version 0)
004-8.1	Business Practice Requirements	Minor Correction (03/20/2007)	Modify Standard
004-8.2	Business Practice Requirements	R05001 (06/22/2006)	Modify standard to address Appendix A requirements, original Appendix A deleted
004-8.3	Business Practice Requirements	R05001 (06/22/2006)	Delete Standard
004-9	Business Practice Requirements	R05001 (06/22/2006)	Modify Standard Language (Standard Number 004-4.2 in Version 0)
004-9	Business Practice Requirements	Minor Correction (03/20/2007)	Modify Standard
004-10	Business Practice Requirements	R05001 (06/22/2006)	Modify Standard Language (Standard Number 004-5 in Version 0)
004-11	Business Practice Requirements	R05001 (06/22/2006)	Modify Standard Language (Standard Numbers 004-8, 004-8.1 in Version 0)
004-11	Business Practice Requirements	Minor Correction (03/20/2007)	Modify Standard
004-11.1	Business Practice Requirements	R05001 (06/22/2006)	Modify Standard Language (Standard Number 004-8.2 in Version 0)
004-11.2	Business Practice Requirements	R05001 (06/22/2006)	Modify Standard Language (Standard Number 004-8.3 in Version 0)
004-11.2.1	Business Practice Requirements	R05001 (06/22/2006)	Modify Standard Language (Standard Number 004-8.3 in Version 0)
004-11.3	Business Practice Requirements	R05001 (06/22/2006)	Add Standard for Clarity
004-12	Business Practice Requirements	R05001 (06/22/2006)	Modify Standard Language (Standard Number 004-9 in Version 0)

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Standard	Description	Request No.	Action
004-12	Business Practice Requirements	Minor Correction (03/20/2007)	Modify Standard
004-13	Business Practice Requirements	R05001 (06/22/2006)	Modify Standard Language (Standard Number 004-10 in Version 0)
004-14	Business Practice Requirements	R05001 (06/22/2006)	No change in standard language (Standard Number 004-11 in Version 0)
004-14.1	Business Practice Requirements	R05001 (06/22/2006)	Modify standard language (Standard Number 004-11.1 in Version 000)
004-15	Business Practice Requirements	R05001 (06/22/2006)	Modify standard language (Standard Number 004-12 in Version 000)
004-16	Business Practice Requirements	R05001 (06/22/2006)	Modify standard language (Standard Number 004-13 in Version 000)
004-17	Business Practice Requirements	R05001 (06/22/2006)	Add standard language (NERC's V-0 standards contained ramping duration. However, NERC's V-1 did not; NAESB added it back for V-1 after conferring with NERC.)
004-17.1	Business Practice Requirements	R05001 (06/22/2006)	Add Standard (NERC's V-0 standards contained ramping duration. However, NERC's V-1 did not; NAESB added it back for V-1 after conferring with NERC.)
004-17.2	Business Practice Requirements	R05001 (06/22/2006)	Add Standard (NERC's V-0 standards contained ramping duration. However, NERC's V-1 did not; NAESB added it back for V-1 after conferring with NERC.)
004-17.2	Business Practice Requirements	Minor Correction (03/20/2007)	Modify Standard
004-A	Appendix	R05001 (06/22/2006)	Modify Appendix (Appendix B in Version 000)
004-A	Appendix	Minor Correction (03/20/2007)	Modify Appendix
004-A	Appendix	R06026/2007 AP Item 1(b) (09/17/2007)	Modify Appendix
004-B	Appendix	R05001 (06/22/2006)	Modify Appendix (Appendix C in Version 000)
004-B	Appendix	Minor Correction (03/20/2007)	Modify Appendix
004-C	Appendix	R05001 (06/22/2006)	Modify Appendix (Appendix D in Version 000)
004-C	Appendix	Minor Correction (03/20/2007)	Modify Appendix
004-C	Appendix	R06025 (10/04/2007)	Modify Appendix

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Standard	Description	Request No.	Action
004-D	Appendix	R05001 (06/22/2006)	Modify Appendix (Timing Table added which matches NERC's table except for entities applicable to NERC would not include GPE, LSE, and PSE so NAESB included them in their table.)
004-D	Appendix	Minor Correction (03/20/2007)	Modify Appendix
WEQ-006 NAESB WEQ Manual Time Error Correction Standards			
006-4	Business Practice Requirements	Minor Correction (08/22/2006)	Modify Standard
006-5	Business Practice Requirements	R05007 (06/22/2006)	Delete reference to "ERCOT" in the timing table.
006-5	Business Practice Requirements	Minor Correction (08/22/2006)	Modify Table
WEQ-007 NAESB WEQ Inadvertent Interchange Payback Standards			
007-A	Business Practice Requirements	R05007 (06/22/2006)	Delete reference to "ERCOT" in on and off peak table.
WEQ-008 NAESB WEQ Transmission Loading Relief (Eastern Interconnection) Standards			
008-0.1	Definition	R04013A (04/10/2006)	Add Definition – "Approval Entity"
008-0.2	Definition	R04013A (04/10/2006)	Add Definition – "Area Control Error"
008-0.3	Definition	R04013A (04/10/2006)	Add Definition – "Automatic Generation Control"
008-0.4	Definition	R04013A (04/10/2006)	Add Definition – "Balancing Authority"
008-0.5	Definition	R04013A (04/10/2006)	Add Definition – "Balancing Authority Area"
008-0.6	Definition	R04013A (04/10/2006)	Add Definition – "Bulk Electric System"
008-0.7	Definition	R04013A (04/10/2006)	Add Definition – "Constrained Facility"
008-0.8	Definition	R04013A (04/10/2006)	Add Definition – "Constrained Flowgate"
008-0.9	Definition	R04013A (04/10/2006)	Add Definition – "Constraint"
008-0.10	Definition	R04013A (04/10/2006)	Add Definition – "Contract Path"
008-0.11	Definition	R04013A (04/10/2006)	Add Definition – "Curtailed Threshold"
008-0.12	Definition	R04013A (04/10/2006)	Add Definition – "Dynamic Schedule"

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Request Cross Reference			
Standard	Description	Request No.	Action
008-0.13	Definition	R04013A (04/10/2006)	Add Definition – “Firm Transmission Service”
008-0.14	Definition	R04013A (04/10/2006)	Add Definition – “Flowgate”
008-0.15	Definition	R04013A (04/10/2006)	Add Definition – “Frequency Bias”
008-0.16	Definition	R04013A (04/10/2006)	Add Definition – “Generation Shift Factor”
008-0.17	Definition	R04013A (04/10/2006)	Add Definition – “Generator-to-Load Distribution Factor”
008-0.18	Definition	R04013A (04/10/2006)	Add Definition – “Interchange Distribution Calculator”
008-0.19	Definition	R04013A (04/10/2006)	Add Definition – “Interchange Transaction”
008-0.20	Definition	R04013A (04/10/2006)	Add Definition – “Interchange Transaction Tag”
008-0.21	Definition	R04013A (04/10/2006)	Add Definition – “Interconnection”
008-0.22	Definition	R04013A (04/10/2006)	Add Definition – “Interconnection Reliability Operating Limit”
008-0.23	Definition	R04013A (04/10/2006)	Add Definition – “Load Shift Factor”
008-0.24	Definition	R04013A (04/10/2006)	Add Definition – “Native Load”
008-0.25	Definition	R04013A (04/10/2006)	Add Definition – “NERC”
008-0.26	Definition	R04013A (04/10/2006)	Add Definition – “Network Integration (NI) Transmission Service”
008-0.27	Definition	R04013A (04/10/2006)	Add Definition – “Non-Firm Transmission Service”
008-0.28	Definition	R04013A (04/10/2006)	Add Definition – “Per Generator Method”
008-0.29	Definition	R04013A (04/10/2006)	Add Definition – “Point-to-point (PTP) Transmission Service”
008-0.30	Definition	R04013A (04/10/2006)	Add Definition – “Purchasing-Selling Entity”
008-0.31	Definition	R04013A (04/10/2006)	Add Definition – “Reliability Coordinator Information System”
008-0.32	Definition	R04013A (04/10/2006)	Add Definition – “Reallocation”
008-0.33	Definition	R04013A (04/10/2006)	Add Definition – “Reliability Area”

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Standard	Description	Request No.	Action
008-0.34	Definition	R04013A (04/10/2006)	Add Definition – “Reliability Coordinator”
008-0.35	Definition	R04013A (04/10/2006)	Add Definition – “Sink Balancing Authority”
008-0.36	Definition	R04013A (04/10/2006)	Add Definition – “System Operating Limit”
008-0.37	Definition	R04013A (04/10/2006)	Add Definition – “Tie Facility(ies)”
008-0.38	Definition	R04013A (04/10/2006)	Add Definition – “Transfer Distribution Factor”
008-0.39	Definition	R04013A (04/10/2006)	Add Definition – “Transmission Customer”
008-0.40	Definition	R04013A (04/10/2006)	Add Definition – “Transmission Loading Relief”
008-0.41	Definition	R04013A (04/10/2006)	Add Definition – “Transmission Operator”
008-0.42	Definition	R04013A (04/10/2006)	Add Definition – “Transmission Service”
008-0.43	Definition	R04013A (04/10/2006)	Add Definition – “Transmission Service Provider (TSP) or Transmission Provider (TP)”
008-1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-1.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-1.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-1.2.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-1.3	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-1.3.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-1.3.1.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-1.3.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-1.4	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-1.5	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-1.6	Business Practice Requirements	R04013A (04/10/2006)	Add Standard

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Standard	Description	Request No.	Action
008-2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.1.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.1.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.1.3	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.1.4	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.1.5	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.1.6	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.1.7	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.1.8	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.2.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.2.1.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.2.1.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.3	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.3.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.3.1.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.3.1.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.4	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.4.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.4.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard

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Standard	Description	Request No.	Action
008-2.4.3	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-2.4.4	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.2.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.2.1.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.2.1.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.2.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.2.3	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.2.4	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.2.5	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.2.5	Business Practice Requirements	Minor Correction (11/16/2007)	Correction in reference to NERC standards.
008-3.3	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.1	Business Practice Requirements	Minor Correction (11/16/2007)	Correction in reference to NERC standards.
008-3.3.1.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.1.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.1.2	Business Practice Requirements	Minor Correction (11/16/2007)	Correction in reference to NERC standards.
008-3.3.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.2.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard

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Standard	Description	Request No.	Action
008-3.3.2.1.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.2.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.2.3	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.2.4	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.2.5	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.2.6	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.2.6.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.3	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.3.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.4	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.5	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.5.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.5.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.5.3	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.3.5.4	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.4	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.4.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.4.1.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.4.1.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.4.1.2	Business Practice Requirements	Minor Correction (11/16/2007)	Correction in reference to NERC standards.
008-3.4.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard

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Request Cross Reference			
Standard	Description	Request No.	Action
008-3.4.3	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.4.4	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.5	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.5.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.5.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.5.2.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.5.2.1	Business Practice Requirements	Minor Correction (11/16/2007)	Correction in reference to NERC standards.
008-3.6	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.6.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.6.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.6.2.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.6.2.1.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.6.2.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.6.2.3	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.6.2.3	Business Practice Requirements	Minor Correction (11/16/2007)	Correction in reference to NERC standards.
008-3.6.2.3.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.6.2.3.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.7	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.7.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.7.1.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.7.1.1.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard

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Standard	Description	Request No.	Action
008-3.7.1.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.7.1.3	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.7.1.3.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.7.1.3.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.8	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.9	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.9.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.10	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.1.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.1.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.1.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.1.3	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.1.4	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.2.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.2.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.2.3	Business Practice Requirements	R04013A (04/10/2006)	Add Standard

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Request Cross Reference			
Standard	Description	Request No.	Action
008-3.11.2.2.4	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.3	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.4	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.4.1	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.4.2	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.5	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.6	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.7	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-3.11.2.8	Business Practice Requirements	R04013A (04/10/2006)	Add Standard
008-A	Appendix	R04013A (04/10/2006)	Add Appendix
008-B	Appendix	R04013A (04/10/2006)	Add Appendix
008-C	Appendix	R04013A (04/10/2006)	Add Appendix
008-D	Appendix	R04013A (04/10/2006)	Add Appendix
008-D	Appendix	R06002 (09/01/2006)	Modify Section B
WEQ-009 NAESB WEQ Standards of Conduct for Electric Transmission Providers Standards			
	Applicability	Minor Correction (10/31/2007)	Delete WEQ-009 standards in their entirety, as supportive of para. 72, FERC Order No. 676, Docket No. RM05-5-000, issued April 25, 2006.
	Definition of Terms	Minor Correction (10/31/2007)	Delete WEQ-009 standards in their entirety, as supportive of para. 72, FERC Order No. 676, Docket No. RM05-5-000, issued April 25, 2006.
009-0	Business Practice Requirements	Minor Correction (10/31/2007)	Delete WEQ-009 standards in their entirety, as supportive of para. 72, FERC Order No. 676, Docket No. RM05-5-000, issued April 25, 2006.
009-1	Business Practice Requirements	Minor Correction (10/31/2007)	Delete WEQ-009 standards in their entirety, as supportive of para. 72, FERC Order No. 676, Docket No. RM05-5-000, issued April 25, 2006.
009-2	Business Practice Requirements	Minor Correction (10/31/2007)	Delete WEQ-009 standards in their entirety, as supportive of para. 72, FERC Order No. 676, Docket No. RM05-5-000, issued April 25, 2006.

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Request Cross Reference			
Standard	Description	Request No.	Action
009-4	Business Practice Requirements	Minor Correction (10/31/2007)	Delete WEQ-009 standards in their entirety, as supportive of para. 72, FERC Order No. 676, Docket No. RM05-5-000, issued April 25, 2006.
009-5	Business Practice Requirements	Minor Correction (10/31/2007)	Delete WEQ-009 standards in their entirety, as supportive of para. 72, FERC Order No. 676, Docket No. RM05-5-000, issued April 25, 2006.
009-6	Business Practice Requirements	Minor Correction (10/31/2007)	Delete WEQ-009 standards in their entirety, as supportive of para. 72, FERC Order No. 676, Docket No. RM05-5-000, issued April 25, 2006 and is duplicated in the OASIS standard WEQ-002-4.5.2.
WEQ-011 NAESB WEQ Gas / Electric Coordination Standards			
011-0.1	Definition	R04021 (07/082005)	Add Definition – “Power Plant Operator”
011-0.2	Definition	R04021 (07/082005)	Add Definition – “Power Plant Operator’s Facility”
011-0.3	Definition	R04021 (07/082005)	Add Definition – “Balancing Authority”
011-1.1	Business Practice Requirements	R04021 (07/082005)	Add Standard
011-1.2	Business Practice Requirements	R04021 (07/082005)	Add Standard
011-1.3	Business Practice Requirements	R04021 (07/082005)	Add Standard
011-1.4	Business Practice Requirements	R04021 (07/082005)	Add Standard
011-1.5	Business Practice Requirements	R04021 (07/082005)	Add Standard
011-1.6	Business Practice Requirements	R04021 (07/082005)	Add Standard
WEQ-012 NAESB Public Key Infrastructure (PKI) Standards			
	Recommended Standard Introduction	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Introduction
	Certification	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Certification
	Scope	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Scope

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Standard	Description	Request No.	Action
	Commitment to Open Standards	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Commitment to Open Standards
	Definition of Terms	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Definition of Terms
012-0.1	Definition	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Definition – “Applicant”
012-0.2	Definition	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Definition – “Authorized Certification Authority”
012-0.3	Definition	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Definition – “Certificate”
012-0.4	Definition	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Definition – “Certificate Policy”
012-0.5	Definition	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Definition – “Certificate Path”
012-0.6	Definition	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Definition – “Certification Practice Statement”
012-0.7	Definition	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Definition – “Certificate Revocation List”
012-0.8	Definition	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Definition – “End Entity”
012-0.9	Definition	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Definition – “Issuing Certification Authority”
012-0.10	Definition	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Definition – “Policy Qualifier”

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Standard	Description	Request No.	Action
012-0.11	Definition	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Definition – “Registration Authority”
012-0.12	Definition	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Definition – “Relying Party”
012-0.13	Definition	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Definition – “Repository”
012-0.14	Definition	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Definition – “Set of Provisions”
012-0.15	Definition	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Definition – “Subscriber”
012-1	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.1	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.2	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.2.1	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.2.2	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.3	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.3.1	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard

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Standard	Description	Request No.	Action
012-1.3.2	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.3.3	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.3.4	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.4	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.4.1	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.4.2	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.4.3	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.4.4	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.4.5	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.5	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.6	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.6.1	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard

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Request Cross Reference			
Standard	Description	Request No.	Action
012-1.7	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.8	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.9	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.9.1	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.9.2	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.9.3	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.9.4	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.9.5	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.10	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.11	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.12	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.13	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard

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Request Cross Reference			
Standard	Description	Request No.	Action
012-1.14	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.15	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.16	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.17	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.18	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.18.1	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.18.2	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.18.3	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.19	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.19.1	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.19.2	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.19.3	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard

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Standard	Description	Request No.	Action
012-1.19.4	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.19.5	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.19.6	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.19.7	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.19.8	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.20	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.21	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012.1.21.1	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.21.2	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.21.3	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.21.4	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.22	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard

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Standard	Description	Request No.	Action
012-1.22.1	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.22.2	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.22.3	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.23	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.23.1	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.23.2	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.23.3	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.23.4	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.23.5	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.24	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.25	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.26	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard

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Request Cross Reference			
Standard	Description	Request No.	Action
012-1.26.1	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.26.2	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.26.3	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.26.4	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
012-1.26.5	Business Practice Requirements	WEQ 2006 Annual Plan Item 3(b)(iii)/R03007 (02/10/2007)	Add Standard
WEQ-013 Business Practices for Open Access Same-Time Information Systems (OASIS) Implementation Guide, Version 1.4			
	Introduction	R07002 (09/17/2007)	Add Introduction
	Usage of Terms	R07002 (09/17/2007)	Add Usage of Term
013-0.1	Usage of Terms	R07002 (09/17/2007)	Add Usage of Term "OASIS"
013-0.2	Usage of Terms	R07002 (09/17/2007)	Add Usage of Term "Business Practice"
013-0.3	Usage of Terms	R07002 (09/17/2007)	Add Usage of Term "Template"
013-0.4	Usage of Terms	R07002 (09/17/2007)	Add Usage of Terms "Must, shall, or required"
013-0.5	Usage of Terms	R07002 (09/17/2007)	Add Usage of Terms "May, should, or optional"
013-1	Business Practice Requirements	R07002 (09/17/2007)	RESERVED
013-1.1	Business Practice Requirements	R07002 (09/17/2007)	RESERVED
013-2	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standards 002-4.10.2 and 002-4.10.2.1 have been consolidated into 013-2.
013-2.1	Business Practice Requirements	R07002 (09/17/2007)	Enumerated values for OASIS REQUEST_TYPE data element from OASIS S&CP Standard 002-4.2.13 have been consolidated into 013-2.1.

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Standard	Description	Request No.	Action
013-2.2	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.2.10.2 Status Values has been incorporated into Standard 013-2.2.
013-2.3	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.4	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.4.1	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.4.2	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.5	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.6	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.6.1	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.6.1.1	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.6.1.2	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.6.2	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.6.2	Business Practice Requirements	Minor Correction (10/23/2007)	Added note for each table in the following standards to indicate the data elements listed are not necessarily the same order as they are required within the OASIS templates.

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Standard	Description	Request No.	Action
013-2.6.3	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.6.3	Business Practice Requirements	Minor Correction (10/23/2007)	Added note for each table in the following standards to indicate the data elements listed are not necessarily the same order as they are required within the OASIS templates.
013-2.6.4	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.6.4	Business Practice Requirements	Minor Correction (10/23/2007)	Added note for each table in the following standards to indicate the data elements listed are not necessarily the same order as they are required within the OASIS templates.
013-2.6.5	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.6.5	Business Practice Requirements	Minor Correction (10/23/2007)	Added note for each table in the following standards to indicate the data elements listed are not necessarily the same order as they are required within the OASIS templates.
013-2.6.5.1	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.6.5.1	Business Practice Requirements	Minor Correction (10/23/2007)	Added note for each table in the following standards to indicate the data elements listed are not necessarily the same order as they are required within the OASIS templates.
013-2.6.5.2	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.6.5.2	Business Practice Requirements	Minor Correction (10/23/2007)	Added note for each table in the following standards to indicate the data elements listed are not necessarily the same order as they are required within the OASIS templates.
013-2.6.6	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.

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Standard	Description	Request No.	Action
013-2.6.6	Business Practice Requirements	Minor Correction (10/23/2007)	Added note for each table in the following standards to indicate the data elements listed are not necessarily the same order as they are required within the OASIS templates. Changed Capacity Available to a data element name and Redirect to a data value in the second paragraph.
013-2.6.7	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.6.7	Business Practice Requirements	Minor Correction (10/23/2007)	Added note for each table in the following standards to indicate the data elements listed are not necessarily the same order as they are required within the OASIS templates.
013-2.6.7.1	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.6.7.1	Business Practice Requirements	Minor Correction (10/23/2007)	Added note for each table in the following standards to indicate the data elements listed are not necessarily the same order as they are required within the OASIS templates. Added section references to the fourth paragraph.
013-2.6.7.2	Business Practice Requirements	R07002 (09/17/2007)	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013.2.6 and subordinate Standards.
013-2.6.7.2	Business Practice Requirements	Minor Correction (10/23/2007)	Added note for each table in the following standards to indicate the data elements listed are not necessarily the same order as they are required within the OASIS templates.
013-3	Business Practice Requirements	R07002 (09/17/2007)	Standards added to describe specific implementation requirements associated with certain OASIS Standard Templates.
013.3.1	Business Practice Requirements	R07002 (09/17/2007)	Standards added to describe specific implementation requirements associated with certain OASIS Standard Templates.
013-3.2	Business Practice Requirements	R07002 (09/17/2007)	Standards added to describe specific implementation requirements associated with certain OASIS Standard Templates.
013-3.2	Business Practice Requirements	Minor Correction (10/23/2007)	Added note for each table in the following standards to indicate the data elements listed are not necessarily the same order as they are required within the OASIS templates. Updated reference to NERC Electronic Tagging Functional Specification. Second table corrected Restriction/Requirement for CUSTOMER_CODE and CUSTOMER_DUNS to reference Transmissions Customer rather than SELLER.

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Standard	Description	Request No.	Action
013-4	Business Practice Requirements	R07002 (09/17/2007)	Add Standard
013-4	Business Practice Requirements	Minor Correction (10/23/2007)	Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ-002 OASIS Standards and Communication Protocols Document.
013-4.1	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
013-4.1	Business Practice Requirements	Minor Correction (10/23/2007)	Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ-002 OASIS Standards and Communication Protocols Document. Added last sentence at the end of section.
013-4.1.1	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
013-4.1.2	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
013-4.1.2	Business Practice Requirements	Minor Correction (10/23/2007)	Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ-002 OASIS Standards and Communication Protocols Document.
013-4.1.3	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
013-4.1.3	Business Practice Requirements	Minor Correction (10/23/2007)	Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ-002 OASIS Standards and Communication Protocols Document.
013-4.1.4	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
013-4.1.4	Business Practice Requirements	Minor Correction (10/23/2007)	Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ-002 OASIS Standards and Communication Protocols Document. Replaced references of Information Provider to OASIS in examples a, b, and d. Replaced reference of Information Provider to Primary Provider in example e.
013-4.1.5	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.

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Standard	Description	Request No.	Action
013-4.1.5	Business Practice Requirements	Minor Correction (10/23/2007)	Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ-002 OASIS Standards and Communication Protocols Document.
013-4.1.6	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
013-4.1.6	Business Practice Requirements	Minor Correction (10/23/2007)	Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ-002 OASIS Standards and Communication Protocols Document.
013-4.1.6.1	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
013-4.1.6.1	Business Practice Requirements	Minor Correction (10/23/2007)	Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ-002 OASIS Standards and Communication Protocols Document.
013-4.1.6.2	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
013-4.1.6.2	Business Practice Requirements	Minor Correction (10/23/2007)	Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ-002 OASIS Standards and Communication Protocols Document.
013-4.1.6.3	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
013-4.1.6.3	Business Practice Requirements	Minor Correction (10/23/2007)	Minor Correction (10/23/2007) – Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ-002 OASIS Standards and Communication Protocols Document.
013-4.1.6.4	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
013-4.1.6.4	Business Practice Requirements	Minor Correction (10/23/2007)	Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ-002 OASIS Standards and Communication Protocols Document.
013-4.1.6.5	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
013-4.1.6.5	Business Practice Requirements	Minor Correction (10/23/2007)	Minor Correction (10/23/2007) – Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ-002 OASIS Standards and Communication Protocols Document.

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Standard	Description	Request No.	Action
013-4.1.6.6	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
013-4.1.6.6	Business Practice Requirements	Minor Correction (10/23/2007)	Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ-002 OASIS Standards and Communication Protocols Document.
013-4.1.7	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
013-4.1.7	Business Practice Requirements	Minor Correction (10/23/2007)	Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ-002 OASIS Standards and Communication Protocols Document.
013-4.1.7.1	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
013-4.1.7.1	Business Practice Requirements	Minor Correction (10/23/2007)	Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ-002 OASIS Standards and Communication Protocols Document.
013-4.1.7.2	Business Practice Requirements	R07002 (09/17/2007)	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
013-4.1.7.2	Business Practice Requirements	Minor Correction (10/23/2007)	Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ-002 OASIS Standards and Communication Protocols Document.
013-4.2	Business Practice Requirements	R07002 (09/17/2007)	Examples of Ancillary Services linkage to Transmission Services from OASIS S&CP Standard 002-4.2.12 have been incorporated into this document in their entirety into Standard 013-4.2.

Version Cross Reference:

The Version Cross Reference lists each NAESB standard number followed by four columns. The column entitled "Adopted" identifies for which version the standard was adopted. The column entitled "Revised" identifies versions where the standard was revised. The column entitled "Interpreted Version" identifies versions where the standard was interpreted. The last column "Interpretation Number" identifies the interpretation number for the version specified in the previous column. The language of the standards themselves can be accessed from the NAESB home page (www.naesb.org). With the Version Cross Reference, a determination can be made of all standards that were created, changed or interpreted for a given version.

For standards that were created in Version 001, the "Adopted" column will contain the value "001." For standards that were modified in Version 001, the "Revised" column will contain the value "001." A standard may have multiple revisions specified. Though there were no interpretations processed for Version 001, if standards had been interpreted in Version 001, the "Interpreted Version" column will include the value "001" and the

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"Interpretation Number" column will contain the related interpretation number. Two requests for interpretation are currently being processed by the WEQ and will be included in later versions of the NAESB WEQ standards. A standard may have multiple interpretations specified. The Version Cross Reference may also contain models, which are not standards. The WEQ to date has no models.

The versions noted in the version cross reference are:

Version 000 January 15, 2005

Version 000 NAESB WEQ Standards were published on January 15, 2005. Those standards that were Federally-jurisdictional were submitted to the Federal Energy Regulatory Commission on January 18, 2005. The standards reflect WEQ Executive Committee action on June 3, 2003, February 24, 2004, November 16, 2004, and November 30, 2004, and WEQ member ratification on July 21, 2003, April 7, 2004, December 30, 2004 and December 31, 2004. Minor corrections were applied on March 25, 2005.

Version 001 October 31, 2007

Version 001 NAESB WEQ Standards were published on October 31, 2007.

Version Cross Reference				
Standard Number	Adopted	Revised	Interpreted Version	Interpretation Number () – indicates reference
WEQ-001 NAESB Open Access Same-Time Information Systems (OASIS) Standards, Version 1.4				
Introduction				
Definition of Terms	000	001		
001-0.1	000			
001-0.2	000			
001-0.3	000	001		
001-0.4	000			
001-0.5	000			
001-0.6	000	001		
001-0.7	000			
001-0.8	000			
001-0.9	000			
001-0.10	000	001		
001-0.11	000			
001-0.12	000			
001-0.13	000			
001-0.14	001			
001-0.15	001			

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Version Cross Reference				
Standard Number	Adopted	Revised	Interpreted Version	Interpretation Number () – indicates reference
001-0.16	001			
001-0.17	001			
001-0.18	001			
001-0.19	001			
001-0.20	001			
001-1.0	000	001		
001-1.1	000 RESERVED			
001-1.2	000 RESERVED			
001-1.3	000 RESERVED			
001-1.4	000 RESERVED			
001-1.5	000			
001-1.6	000			
001-1.7	000			
001-1.8	000			
001-2.0	000			
001-2.1	000			
001-2.1.1	000			
001-2.1.2	000			
001-2.1.3	000			
001-2.1.4	000			
001-2.1.5	000			
001-2.1.6	000			
001-2.1.7	000			
001-2.1.8	000			
001-2.1.9	000			
001-2.1.10	000			
001-2.1.11	000			

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Standard Number	Adopted	Revised	Interpreted Version	Interpretation Number () – indicates reference
001-2.1.12	000			
001-2.1.13	000			
001-2.1.14	000			
001-2.2	000			
001-2.2.1	000			
001-2.2.2	000			
001-2.3	000			
001-2.3.1	000			
001-2.3.2	000			
001-2.4	000			
001-2.5	000	001		
001-2.5.1	000			
001-2.5.2	000			
001-2.5.3	000			
001-2.5.4	000			
001-2.5.5	000			
001-2.5.6	000			
001-2.5.7	000			
001-2.5.8	000			
001-2.5.9	000			
001-2.6	000			
001-2.6.1	000			
001-2.6.2	000			
001-3	000			
001-3.1	000	001		
001-3.2	000			
001-3.3	000			
001-3.4	000			

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001-3.5	000			
001-3.6	000			
001-4	000			
001-4.1	000	001		
001-4.2	000 RESERVED			
001-4.3	000 RESERVED			
001-4.4	000			
001-4.5	000			
001-4.6	000			
001-4.7	000			
001-4.8	000			
001-4.9	000			
001-4.10	000			
001-4.11	000			
001-4.12	000			
001-4.13	000			
001-4.14	000			
001-4.14.1	000			
001-4.14.2	000			
001-4.14.3	000			
001-4.14.4	000			
001-4.14.5	000			
001-4.14.6	000			
001-4.15	000			
001-4.16	000			
001-4.17	000			
001-4.18	000			

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Standard Number	Adopted	Revised	Interpreted Version	Interpretation Number () – indicates reference
001-4.19	000	001		
001-4.20	000	001		
001-4.21	000			
001-4.22	000			
001-4.23	000			
001-4.24	000			
001-4.25	000			
001-4.26	000			
001-4.27	000			
001-5	000			
001-5.1	000			
001-5.2	000			
001-5.3	000			
001-5.4	000			
001-5.5	000			
001-5.6	000			
001-6	000			
001-6.1	000			
001-6.2	000			
001-6.3	000			
001-6.4	000			
001-7	000	001		
001-7.1	000			
001-7.2	000			
001-7.3	000			
001-7.4	000			
001-7.5	000			
001-7.6	000			

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001-7.7	000			
001-7.8	000			
001-7.9	000			
001-7.10	000			
001-7.11	000			
001-7.12	000			
001-7.13	000			
001-7.14	000			
001-7.15	000			
001-7.16	000			
001-8	000			
001-8.1	000			
001-8.1.1	000			
001-8.2	000			
001-8.3	000			
001-8.3.1	000			
001-8.3.2	000			
001-8.3-A	000	001 RESERVED		
001-9	000			
001-9.1	000			
001-9.1.1	000	001		
001-9.1.2	000			
001-9.1.3	000	001		
001-9.1.4	000			
001-9.2	000			
001-9.2-A	000	001 RESERVED		
001-9.3	000			

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001-9.3.1	000			
001-9.3.2	000			
001-9.3-A	000	001 RESERVED		
001-9.4	000	001		
001-9.4.1	000			
001-9.4.1-A	000	001 RESERVED		
001-9.4.2	000	001		
001-9.4.3	001			
001-9.4.2-A	000	001 RESERVED		
001-9.5	000	001		
001-9.5-A	000	001 RESERVED		
001-9.5.1	000	001		
001-9.5.1-A	000	001 RESERVED		
001-9.5.2	000	001		
001-9.5.3	000			
001-9.6	000			
001-9.6.1	000			
001-9.6.2	000			
001-9.7	000			
001-9.8	000			
001-9.8.1	000	001		
001-10	000			
001-10.1	000			
001-10.1.1	000	001		
001-10.1.2	000			
001-10.1.3	000	001 RESERVED		

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001-10.1.4	000			
001-10.1.5	000	001		
001-10.1.6	000			
001-10.2	000			
001-10.2-A	000	001 RESERVED		
001-10.3	000			
001-10.3.1	000			
001-10.3-A	000	001 RESERVED		
001-10.4	000	001		
001-10.4.1	000			
001-10.4.1-A	000	001 RESERVED		
001-10.4.2	000			
001-10.4.3	001			
001-10.4.2-A	000	001 RESERVED		
001-10.5	000	001		
001-10.5-A	000	001 RESERVED		
001-10.5.1	000			
001-10.5.1-A	000	001 RESERVED		
001-10.5.2	000	001		
001-10.5.3	000	001		
001-10.5.3.1	001			
001-10.5.3.2	001			
001-10.5.3.2.1	001			
001-10.5.3.3	001			
001-10.5.3.4	001			
001-10.5.3.5	001			

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Standard Number	Adopted	Revised	Interpreted Version	Interpretation Number () – indicates reference
001-10.5.3.6	001			
001-10.5.3.6.1	001			
001-10.5.3.7	001			
001-10.5.3.8	001			
001-10.5.3.9	001			
001-10.6	000			
001-10.6.1	000			
001-10.7	000			
001-10.7.1	000			
001-10.8	000			
001-10.8.1	000			
001-10.8.2	000			
001-10.8.3	000			
001-10.8.4	000			
001-10.8.5	000			
001-10.8.6	000	001		
001-10.8.7	001			
001-11	001			
001-11.1	001			
001-11.1.1	001			
001-11.1.2	001			
001-11.1.3	001			
001-11.1.4	001			
001-11.1.5	001			
001-11.1.6	001			
001-11.1.7	001			
001-11.2	001			
001-11.2.1	001			

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Standard Number	Adopted	Revised	Interpreted Version	Interpretation Number () – indicates reference
001-11.2.1.1	001	001 RESERVED		
001-11.2.2	001			
001-11.3	001			
001-11.3.1	001			
001-11.3.2	001			
001-11.3.3	001			
001-11.3.4	001			
001-11.4	001			
001-11.5	001			
001-11.5.1	001			
001-11.5.2	001			
001-11.5.3	001			
001-11.6	001			
001-11.6.1	001			
001-11.6.2	001			
001-11.6.3	001			
001-11.7	001			
001-11.7.1	001			
001-12	001			
001-12.1	001			
001-12.1.1	001			
001-12.1.2	001			
001-12.1.3	001			
001-12.1.4	001			
001-12.1.5	001			
001-12.1.6	001			
001-12.2	001			

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001-12.3	001			
001-12.3.1	001			
001-12.3.2	001			
001-12.4	001			
001-12.4.1	001			
001-12.4.2	001			
001-12.4.2.1	001			
001-12.4.2.2	001			
001-12.4.2.3	001			
001-12.5	001			
001-12.5.1	001			
001-12.5.2	001			
001-A	001			
001-B	001			
WEQ-002 Business Practices for Open Access Same-Time Information System (OASIS) Standards & Communication Protocols, Version 1.4				
Introduction	000	001		
Definition of Terms	000	001		
002-0.1	000			
002-0.2	001			
002-0.3	001			
002-0.4	001			
002-0.5	001			
002-0.6	001			
002-0.7	001			
002-0.8	001			
002-1	000	001 RESERVED		
002-1.1	000	001 RESERVED		

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002-2	000			
002-2.1	000	001		
002-2.2	000			
002-2.3	000	001		
002-2.4	000			
002-2.5	000			
002-3	000			
002-3.1	000			
002-3.2	000			
002-3.3	000	001		
002-3.4	000	001		
002-3.5	000			
002-3.6	000	001		
002-4	000			
002-4.1	000	001		
002-4.2	000			
002-4.2.1	000			
002-4.2.1.1	000			
002-4.2.1.2	000			
002-4.2.1.3	000			
002-4.2.2	000	001		
002-4.2.3	000			
002-4.2.3.1	000	001		
002-4.2.3.2	000			
002-4.2.3.3	000			
002-4.2.4	000			
002-4.2.4.1	000			
002-4.2.4.2	000			

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002-4.2.5	000			
002-4.2.5.1	000			
002-4.2.5.2	000			
002-4.2.6	000			
002-4.2.6.1	000			
002-4.2.6.2	000			
002-4.2.6.3	000			
002-4.2.6.4	000			
002-4.2.6.5	000			
002-4.2.6.6	000			
002-4.2.6.7	000			
002-4.2.6.8	000			
002-4.2.7	000			
002-4.2.7.1	000			
002-4.2.7.2	000	001		
002-4.2.7.3	000	001		
002-4.2.7.4	000			
002-4.2.7.5	000	001		
002-4.2.7.6	000	001		
002-4.2.8	000			
002-4.2.8.1	000			
002-4.2.8.2	000			
002-4.2.8.3	000			
002-4.2.9	000			
002-4.2.9.1	000			
002-4.2.9.2	000			
002-4.2.9.3	000			
002-4.2.10	000	001		

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002-4.2.10.1	000	001		
002-4.2.10.2	000	001		
002-4.2.10.3	000			
002-4.2.10.3.1	000	001		
002-4.2.10.3.2	000			
002-4.2.10.4	000			
002-4.2.11	000			
002-4.2.12	000	001		
002-4.2.13	000	001 RESERVED		
002-4.2.13.1	000	001 RESERVED		
002-4.2.13.2	000	001 RESERVED		
002-4.2.13.3	000	001 RESERVED		
002-4.2.13.4	000	001 RESERVED		
002-4.2.13.5	000	001 RESERVED		
002-4.2.13.6	000	001 RESERVED		
002-4.2.13.7	000	001 RESERVED		
002-4.2.13.8	000	001 RESERVED		
002-4.2.13.9	000	001 RESERVED		
002-4.2.13.10	000	001 RESERVED		
002-4.3	000	001		
002-4.3.1	000			
002-4.3.2	000			
002-4.3.2.1	000			
002-4.3.2.2	000			
002-4.3.3	000			

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002-4.3.3.1	000			
002-4.3.3.2	000			
002-4.3.4	000			
002-4.3.4.1	000	001		
002-4.3.4.2	000	001		
002-4.3.4.3	000			
002-4.3.4.4	000			
002-4.3.5	000			
002-4.3.5.1	000			
002-4.3.6	000			
002-4.3.6.1	000	001		
002-4.3.6.2	000	001		
002-4.3.6.3	000	001		
002-4.3.6.4	000	001		
002-4.3.6.5	000			
002-4.3.7	000			
002-4.3.7.1	000			
002-4.3.7.2	000			
002-4.3.8	000			
002-4.3.8.1	000			
002-4.3.8.2	000	001		
002-4.3.8.3	000	001		
002-4.3.8.4	000	001		
002-4.3.8.5	000			
002-4.3.9	000			
002-4.3.9.1	000			
002-4.3.9.2	000			
002-4.3.10	000			

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002-4.3.10.1	000			
002-4.3.10.2	000			
002-4.3.10.3	000			
002-4.3.10.4	000	001		
002-4.3.10.5	000	001		
002-4.3.10.6	000	001		
002-4.3.11	000	001		
002-4.3.11.1	000			
002-4.3.11.2	000			
002-4.3.11.3	000			
002-4.3.11.3.1	000			
002-4.3.11.3.2	000			
002-4.3.11.3.3	000			
002-4.3.11.3.4	000			
002-4.3.11.4	000			
002-4.3.11.5	000			
002-4.4	000			
002-4.4.1	000	001 RESERVED		
002-4.4.2	000	001 RESERVED		
002-4.4.3	000	001 RESERVED		
002-4.4.4	000	001 RESERVED		
002-4.4.5	000	001 RESERVED		
002-4.4.6	000	001 RESERVED		
002-4.4.6.1	000	001 RESERVED		
002-4.4.6.2	000	001 RESERVED		
002-4.4.6.3	000	001 RESERVED		

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002-4.4.6.4	000	001 RESERVED		
002-4.4.6.5	000	001 RESERVED		
002-4.4.6.6	000	001 RESERVED		
002-4.4.7	000	001 RESERVED		
002-4.4.7.1	000	001 RESERVED		
002-4.4.7.2	000	001 RESERVED		
002-4.5	000	001		
002-4.5.1	001			
002-4.5.2	001			
002-5	000			
002-5.1	000			
002-5.2	000			
002-5.3	000			
002-5.3.1	000			
002-5.3.2	000			
002-5.3.3	000			
002-5.4	000			
002-5.5	000			
002-5.6	000			
002-5.7	000			
002-5.8	000			
002-5.9	000			
002-5.10	000			
WEQ-003 NAESB Open Access Same-Time Information Systems (OASIS) Data Dictionary, Version 1.4				
003-0	000	001		
WEQ-004 NAESB WEQ Coordinate Interchange Standards				

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Purpose	000	001		
Applicability	000	001		
Definition of Terms	000	001		
004-0	000	001 RESERVED		
004-0.1	000	001		
004-0.2	001			
004-0.3	000	001		
004-0.4	000	001		
004-0.5	001			
004-0.6	001			
004-0.7	001			
004-0.8	001			
004-0.9	001			
004-0.10	001			
004-0.11	000	001		
004-0.12	001			
004-0.13	000	001		
004-0.14	001			
004-0.15	000	001		
004-0.16	000	001		
004-0.17	000	001		
004-0.18	000	001		
004-0.19	001			
004-0.20	000	001		
004-0.21	000	001		
004-0.22	000	001		
004-1	000	001		

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004-1.1	000	001		
004-1.2	000	001 RESERVED		
004-1.3	000	001 RESERVED		
004-1.4	000	001 RESERVED		
004-1.5	000	001 RESERVED		
004-1.6	000	001 RESERVED		
004-2	000	001		
004-2.1	000	001		
004-2.2	001 RESERVED			
004-3	000	001		
004-3.1	000	001		
004-4	000	001		
004-4.1	000	001 RESERVED		
004-4.2	000	001 RESERVED		
004-5	000	001		
004-6	000	001		
004-6.1	000	001		
004-6.1.1	001			
004-6.1.2	001			
004-6.2	000	001 RESERVED		
004-7	000	001		
004-7.1	000	001 RESERVED		
004-8	000	001		
004-8.1	000	001		
004-8.2	000	001		

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004-8.3	000	001 RESERVED		
004-9	000	001		
004-10	000	001		
004-11	000	001		
004-11.1	000	001		
004-11.2	001			
004-11.2.1	001			
004-11.3	001	001		
004-12	000	001		
004-13	000	001		
004-14	001			
004-14.1	001			
004-15	001			
004-16	001			
004-17	001			
004-17.1	001			
004-17.2	001			
004-A	000	001		
004-B	000	001		
004-C	000	001		
004-D	000	001		
WEQ-005 NAESB Area Control Error (ACE) Equation Special Cases Standards				
Purpose	000			
Applicability	000			
Definition of Terms	000			
005-0	000	001 RESERVED		
005-0.1	000	001		

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005-0.2	000	001		
005-0.3	000	001		
005-0.4	000	001		
005-0.5	000	001		
005-0.6	000	001		
005-0.7	000	001		
005-0.8	000	001		
005-0.9	000	001		
005-0.10	000	001		
005-0.11	000	001		
005-1	000			
005-1.1	000			
005-1.2	000			
005-1.2.1	000			
005-1.2.2	000			
005-2	000			
005-2.1	000			
005-2.1.1	000			
005-2.1.1.1	000			
005-2.1.1.2	000			
005-3	000			
005.3.1	000			
005-3.1.1	000			
005-3.1.2	000			
005-3.1.3	000			
005-A	000			
WEQ-006 NAESB WEQ Manual Time Error Correction Standards				
Purpose	000			

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Standard Number	Adopted	Revised	Interpreted Version	Interpretation Number () – indicates reference
Applicability	000			
Definition of Terms	000			
006-0	000	001 RESERVED		
006-0.1	000	001		
006-0.2	000	001		
006-0.3	000	001		
006-0.4	000	001		
006-0.5	000	001		
006-0.6	000	001		
006-0.7	000	001		
006-0.8	000	001		
006-0.9	000	001		
006-0.10	000	001		
006-1	000			
006-1.1	000			
006-2	000			
006-3	000			
006-4	000	001		
006-5	000	001		
006-6	000			
006-7	000			
006-7.1	000			
006-7.2	000			
006-8	000			
006-9	000			
006-10	000			
006-11	000			

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Standard Number	Adopted	Revised	Interpreted Version	Interpretation Number () – indicates reference
006-12	000			
WEQ-007 NAESB WEQ Inadvertent Interchange Payback Standards				
Purpose	000			
Applicability	000			
Definition of Terms	000			
007-0	000	001 RESERVED		
007-0.1	000	001		
007-0.2	000	001		
007-0.3	000	001		
007-0.4	000	001		
007-0.5	000	001		
007-0.6	000	001		
007-0.7	000	001		
007-0.8	000	001		
007-0.9	000	001		
007-0.10	000	001		
007-1	000			
007-1.1	000			
007-1.1.1	000			
007-1.1.1.1	000			
007-1.1.1.2	000			
007-1.1.2	000			
007-2	000			
007-A	000	001		
WEQ-008 NAESB WEQ Transmission Loading Relief (Eastern Interconnection) Standards				
Purpose	000			
Applicability	000			

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Standard Number	Adopted	Revised	Interpreted Version	Interpretation Number () – indicates reference
Definition of Terms	000			
008-0	000	001 RESERVED		
008-0.1	001			
008-0.2	001			
008-0.3	001			
008-0.4	001			
008-0.5	001			
008-0.6	001			
008-0.7	001			
008-0.8	001			
008-0.9	001			
008-0.10	001			
008-0.11	001			
008-0.12	001			
008-0.13	001			
008-0.14	001			
008-0.15	001			
008-0.16	001			
008-0.17	001			
008-0.18	001			
008-0.19	001			
008-0.20	001			
008-0.21	001			
008-0.22	001			
008-0.23	001			
008-0.24	001			
008-0.25	001			

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008-0.26	001			
008-0.27	001			
008-0.28	001			
008-0.29	001			
008-0.30	001			
008-0.31	001			
008-0.32	001			
008-0.33	001			
008-0.34	001			
008-0.35	001			
008-0.36	001			
008-0.37	001			
008-0.38	001			
008-0.39	001			
008-0.40	001			
008-0.41	001			
008-0.42	001			
008-0.43	001			
008-1	001			
008-1.1	001			
008-1.2	001			
008-1.2.1	001			
008-1.3	001			
008-1.3.1	001			
008-1.3.1.1	001			
008-1.3.2	001			
008-1.4	001			
008-1.5	001			

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008-1.6	001			
008-2	001			
008-2.1	001			
008-2.1.1	001			
008-2.1.2	001			
008-2.1.3	001			
008-2.1.4	001			
008-2.1.5	001			
008-2.1.6	001			
008-2.1.7	001			
008-2.1.8	001			
008-2.2	001			
008-2.2.1	001			
008-2.2.1.1	001			
008-2.2.1.2	001			
008-2.3	001			
008-2.3.1	001			
008-2.3.1.1	001			
008-2.3.1.2	001			
008-2.4	001			
008-2.4.1	001			
008-2.4.2	001			
008-2.4.3	001			
008-2.4.4	001			
008-3	001			
008-3.1	001			
008-3.2	001			
008-3.2.1	001			

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008-3.2.1.1	001			
008-3.2.1.2	001			
008-3.2.2	001			
008-3.2.3	001			
008-3.2.4	001			
008-3.2.5	001			
008-3.3	001			
008-3.3.1	001			
008-3.3.1.1	001			
008-3.3.1.2	001			
008-3.3.2	001			
008-3.3.2.1	001			
008-3.3.2.1.1	001			
008-3.3.2.2	001			
008-3.3.2.3	001			
008-3.3.2.4	001			
008-3.3.2.5	001			
008-3.3.2.6	001			
008-3.3.2.6.1	001			
008-3.3.3	001			
008-3.3.3.1	001			
008-3.3.4	001			
008-3.3.5	001			
008-3.3.5.1	001			
008-3.3.5.2	001			
008-3.3.5.3	001			
008-3.3.5.4	001			
008-3.4	001			

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008-3.4.1	001			
008-3.4.1.1	001			
008-3.4.1.2	001			
008-3.4.2	001			
008-3.4.3	001			
008-3.4.4	001			
008-3.5	001			
008-3.5.1	001			
008-3.5.2	001			
008-3.5.2.1	001			
008-3.6	001			
008-3.6.1	001			
008-3.6.2	001			
008-3.6.2.1	001			
008-3.6.2.1.1	001			
008-3.6.2.2	001			
008-3.6.2.3	001			
008-3.6.2.3.1	001			
008-3.6.2.3.2	001			
008-3.7	001			
008-3.7.1	001			
008-3.7.1.1	001			
008-3.7.1.1.1	001			
008-3.7.1.2	001			
008-3.7.1.3	001			
008-3.7.1.3.1	001			
008-3.7.1.3.2	001			
008-3.8	001			

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Standard Number	Adopted	Revised	Interpreted Version	Interpretation Number () – indicates reference
008-3.9	001			
008-3.9.1	001			
008-3.10	001			
008-3.11	001			
008-3.11.1	001			
008-3.11.1.1	001			
008-3.11.2	001			
008-3.11.2.1	001			
008-3.11.2.1.1	001			
008-3.11.2.1.2	001			
008-3.11.2.1.3	001			
008-3.11.2.1.4	001			
008-3.11.2.2	001			
008-3.11.2.2.1	001			
008-3.11.2.2.2	001			
008-3.11.2.2.3	001			
008-3.11.2.2.4	001			
008-3.11.2.3	001			
008-3.11.2.4	001			
008-3.11.2.4.1	001			
008-3.11.2.4.2	001			
008-3.11.2.5	001			
008-3.11.2.6	001			
008-3.11.2.7	001			
008-3.11.2.8	001			
008-A	001			
008-B	001			
008-C	001			

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Standard Number	Adopted	Revised	Interpreted Version	Interpretation Number () – indicates reference
008-D	001			
WEQ-009 NAESB WEQ Standards of Conduct for Electric Transmission Providers Standards				
Applicability	000	001 RESERVED		
Definition of Terms	000	001 RESERVED		
009-0	000	001 RESERVED		
009-1	000	001 RESERVED		
009-2	000	001 RESERVED		
009-3	000 RESERVED			
009-4	000	001 RESERVED		
009-5	000	001 RESERVED		
009-6	001	001 RESERVED		
WEQ-010 NAESB WEQ Contracts Related Standards				
010-1	000			
WEQ-011 NAESB WEQ Gas / Electric Coordination Standards				
Introduction	001			
Definition of Terms	001			
011-0.1	001			
011-0.2	001			
011-0.3	001			
011-1.1	001			
011-1.2	001			
011-1.3	001			
011-1.4	001			
011-1.5	001			
011-1.6	001			

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Standard Number	Adopted	Revised	Interpreted Version	Interpretation Number () – indicates reference
WEQ-012 NAESB Public Key Infrastructure (PKI) Standards				
Recommended Standard Introduction	001			
Certification	001			
Scope	001			
Commitment to Open Standards	001			
Definition of Terms	001			
012-0.1	001			
012-0.2	001			
012-0.3	001			
012-0.4	001			
012-0.5	001			
012-0.6	001			
012-0.7	001			
012-0.8	001			
012-0.9	001			
012-0.10	001			
012-0.11	001			
012-0.12	001			
012-0.13	001			
012-0.14	001			
012-0.15	001			
012-1	001			
012-1.1	001			
012-1.2	001			
012-1.2.1	001			
012-1.2.2	001			
012-1.3	001			

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Standard Number	Adopted	Revised	Interpreted Version	Interpretation Number () – indicates reference
012-1.3.1	001			
012-1.3.2	001			
012-1.3.3	001			
012-1.3.4	001			
012-1.4	001			
012-1.4.1	001			
012-1.4.2	001			
012-1.4.3	001			
012-1.4.4	001			
012-1.4.5	001			
012-1.5	001			
012-1.6	001			
012-1.6.1	001			
012-1.7	001			
012-1.8	001			
012-1.9	001			
012-1.9.1	001			
012-1.9.2	001			
012-1.9.3	001			
012-1.9.4	001			
012-1.9.5	001			
012-1.10	001			
012-1.11	001			
012-1.12	001			
012-1.13	001			
012-1.14	001			
012-1.15	001			
012-1.16	001			

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012-1.17	001			
012-1.18	001			
012-1.18.1	001			
012-1.18.2	001			
012-1.18.3	001			
012-1.19	001			
012-1.19.1	001			
012-1.19.2	001			
012-1.19.3	001			
012-1.19.4	001			
012-1.19.5	001			
012-1.19.6	001			
012-1.19.7	001			
012-1.19.8	001			
012-1.20	001			
012-1.21	001			
012.1.21.1	001			
012-1.21.2	001			
012-1.21.3	001			
012-1.21.4	001			
012-1.22	001			
012-1.22.1	001			
012-1.22.2	001			
012-1.22.3	001			
012-1.23	001			
012-1.23.1	001			
012-1.23.2	001			
012-1.23.3	001			

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012-1.23.4	001			
012-1.23.5	001			
012-1.24	001			
012-1.25	001			
012-1.26	001			
012-1.26.1	001			
012-1.26.2	001			
012-1.26.3	001			
012-1.26.4	001			
012-1.26.5	001			
WEQ-013 Business Practices for Open Access Same-Time Information Systems (OASIS) Implementation Guide, Version 1.4				
Introduction	001			
Usage of Terms	001			
013-0.1	001			
013-0.2	001			
013-0.3	001			
013-0.4	001			
013-0.5	001			
013-1	001 RESERVED			
013-1.1	001 RESERVED			
013-2	001			
013-2.1	001			
013-2.2	001			
013-2.3	001			
013-2.4	001			
013-2.4.1	001			
013-2.4.2	001			

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013-2.5	001			
013-2.6	001			
013-2.6.1	001			
013-2.6.1.1	001			
013-2.6.1.2	001			
013-2.6.2	001			
013-2.6.3	001			
013-2.6.4	001			
013-2.6.5	001			
013-2.6.5.1	001			
013-2.6.5.2	001			
013-2.6.6	001			
013-2.6.7	001			
013-2.6.7.1	001			
013-2.6.7.2	001			
013-3	001			
013.3.1	001			
013-3.2	001			
013-4	001			
013-4.1	001			
013-4.1.1	001			
013-4.1.2	001			
013-4.1.3	001			
013-4.1.4	001			
013-4.1.5	001			
013-4.1.6	001			
013-4.1.6.1	001			
013-4.1.6.2	001			

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Standard Number	Adopted	Revised	Interpreted Version	Interpretation Number () – indicates reference
013-4.1.6.3	001			
013-4.1.6.4	001			
013-4.1.6.5	001			
013-4.1.6.6	001			
013-4.1.7	001			
013-4.1.7.1	001			
013-4.1.7.2	001			
013-4.2	001			

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05-31-05	http://www.naesb.org/pdf2/weq_wgq_ec053105fm.doc	Recommendation R04021: Develop standards for daily operational communications between pipelines and power plants. http://naesb.org/pdf2/r04021_revised_rc.doc	We Energies Comments: http://naesb.org/pdf2/weq_wgq_052505weenergies.doc El Paso Electric Co. Comments: http://naesb.org/pdf2/weq_wgq_052505elpasoelectric.doc Mewbourne Oil Co. Comments: http://naesb.org/pdf2/weq_wgq_052505mewbourne.doc California ISO Comments http://naesb.org/pdf2/weq_wgq_052505caiso.doc Entergy Comments: http://naesb.org/pdf2/weq_wgq_052505entergy.doc Entergy Services Inc. Gas Group Comments: http://naesb.org/pdf2/weq_wgq_052505entergy_gas_group.doc Tennessee Valley Authority http://naesb.org/pdf2/weq_wgq_052505tva.doc American Electric Power http://naesb.org/pdf2/weq_wgq_052505aep.doc American Gas Association http://naesb.org/pdf2/weq_wgq_052505aga.doc NJR Companies Comments: http://naesb.org/pdf2/weq_wgq_052505njr.pdf Pipeline Segment Comments: http://naesb.org/pdf2/weq_wgq_052505pipeline.doc Duke Energy Corporation Comments: http://www.naesb.org/pdf2/weq_wgq_ec052605duke.doc Conectiv Comments: http://naesb.org/pdf2/weq_wgq_052505conectiv.doc Progress Energy Carolinas Comments: http://naesb.org/pdf2/weq_wgq_052505progress.doc
11-29-05	http://naesb.org/pdf2/weq_ec112905fm.doc	R04035/R05002 - Revisions to OASIS for Redirects. http://naesb.org/pdf2/r04035_r05002_scp_rec.doc	Western Area Power Administration Comments: http://naesb.org/pdf2/weq_112805wapa.doc

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11-29-05	http://naesb.org/pdf2/weq_ec112905fm.doc	R04013A – Development of post split “Version 0” Transmission Loading Relief Business Practice Standard http://naesb.org/pdf2/r04013a_rec.doc Attachment: http://naesb.org/pdf2/r04013a_rec_attachment_revised112205.doc	American Transmission Company Comments: http://naesb.org/pdf2/weq_111805american_trans_co.doc Duke Energy Comments: http://naesb.org/pdf2/weq_111805duke_energy.doc Entergy Comments: http://naesb.org/pdf2/weq_111805entergy.doc FRCC Comments: http://naesb.org/pdf2/weq_111805frcc.doc ISO/RTO Council Comments: http://naesb.org/pdf2/weq_111805iso_rto.doc NERC Comments: http://naesb.org/pdf2/weq_111805nerc.pdf Attachment: http://naesb.org/pdf2/weq_111805nerc_a1.pdf Southern Company Generation Comments: http://naesb.org/pdf2/weq_111805southern_co_generation.doc Southern Company Transmission Comments: http://naesb.org/pdf2/weq_111805southern_co_transmission.doc Tennessee Valley Authority Comments: http://naesb.org/pdf2/weq_111805tva.doc
05-09-06	http://naesb.org/pdf2/weq_ec050906fm.doc	Recommendation R05001 – Amend WEQ R03013 to align coordinate interchange transactions with Version 0. http://naesb.org/pdf2/r05001_rec.doc	NERC Comments: http://naesb.org/pdf2/weq_050306_nerc.doc

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05-09-06	http://naesb.org/pdf2/weq_ec050906fm.doc	Recommendation R05007 – removal of ERCOT references to WEQ Version 0 Standards. http://naesb.org/pdf2/r05007_rec.doc	No comments submitted.
05-09-06	http://naesb.org/pdf2/weq_ec050906fm.doc	Recommendation R06002 – Modify the NAESB pre-split Version 0 TLR BP to remain consistent with NERC IRO-006-1 pre-split TLR reliability standards (SPP regional difference for the inclusion of market flows). http://naesb.org/pdf2/r06002_rec.doc Attachment: http://naesb.org/pdf2/r06002_rec_attachment.doc	ITC Transmission Comments: http://naesb.org/pdf2/weq_041306_itc_transmission.doc
08-15-06	http://naesb.org/pdf2/weq_ec081506fm.doc	Recommendation R04006D (Second Revised) – OASIS 1A Enhancements – Sale or Assignment of Transmission Service. http://naesb.org/member_login_form.asp?doc=r04006d_rec_3rev_clean.doc	Southern Company Comments (when posted for comment in October 2005): http://naesb.org/pdf2/weq_112805southernco_generation.doc Entergy Comments (when posted for comment in May 2006): http://naesb.org/pdf2/weq_050106_entergy.doc Southern Company Comments (when posted for comment in July 2006): http://naesb.org/pdf2/weq_080906_scg.doc Hydro-Quebec TransÉnergie (when posted for comment in July 2006): http://naesb.org/pdf2/weq_080906_hydro.doc
12-19-06	http://naesb.org/pdf2/weq_ec121906fm.doc	Recommendation R03007/WEQ 2006 Annual Plan Item 3(b)(iii) – Public Key Infrastructure (PKI) Standards. http://naesb.org/pdf2/r03007_rec.doc	IETF Comments: http://naesb.org/pdf2/weq_120706ietf.doc

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02-09-07	http://naesb.org/pdf2/weq_ec020607fm.doc	Recommendation R04006C1 – Develop OASIS 1A capacity release request standards. http://naesb.org/member_login_form.asp?doc=r04006c1_rec_1rev_clean.doc	Puget Sound Energy Comments: http://naesb.org/pdf2/weq_010807pse.doc
02-09-07	http://naesb.org/pdf2/weq_ec020607fm.doc	Recommendation 2007 Annual Plan Item 3(a)(2) – Implementation of S&CP changes to support Standards of Conduct business practices. http://naesb.org/pdf2/2007_weq_ap_i3a2_rec.doc Attachment: http://naesb.org/pdf2/2007_weq_ap_i3a2_rec_attachment.doc	No comments submitted.
05-08-07	http://naesb.org/pdf2/weq_ec050807fm.doc	2007 WEQ Annual Plan Item 2 – Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform): Revision to Final Action R04006D to align the Resales Standards with Order No. 890. http://naesb.org/member_login_form.asp?doc=2007_weq_ap_i2_rev_rec.doc	Salt River Project Comments: http://naesb.org/pdf2/weq_050407_srp.doc Entergy Comments: http://naesb.org/pdf2/weq_050407_entergy.doc Midwest ISO Comments: http://naesb.org/pdf2/weq_050407_miso.doc Southern Company Comments: http://naesb.org/pdf2/weq_050407_southernco.doc Bonneville Power Administration Comments: http://naesb.org/pdf2/weq_050407_bpa.doc

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07-20-07	http://naesb.org/pdf2/weq_ec072007fm.doc	Recommendation R05018 – Revise the e-Tag Specification to allow PSE’s associated with a transmission segment in the tag optional approval rights. http://naesb.org/pdf2/r05018_rec_rev072007_clean.doc	Tenaska Power Services Comments: http://naesb.org/pdf2/weq_071407_tenaska.doc Midwest ISO Comments: http://naesb.org/pdf2/weq_071407_midwestiso_r05018_r07005.pdf
07-20-07	http://naesb.org/pdf2/weq_ec072007fm.doc	Recommendation R06026/2007 AP Item 1(b) – Revise WEQ-004 Coordinate Interchange Business Practice Standard requirement 2.2 and the table contained in Appendix A, part B, to exempt the WECC. http://naesb.org/pdf2/r06026_rec.doc Attachment: http://naesb.org/pdf2/r06026_rec_attach1.doc	No comments submitted.
07-20-07	http://naesb.org/pdf2/weq_ec072007fm.doc	Recommendation R07002 – (Request to divide the OASIS S&CP into two documents: 1) The S&CP and 2) an Implementation Guide). http://naesb.org/pdf2/r07002_rec_rev072007_clean.doc Attachments: http://naesb.org/pdf2/r07002_rec_attach1_rev072007b.doc http://naesb.org/pdf2/r07002_rec_attach2_rev072007.doc http://naesb.org/pdf2/r07002_rec_attach3_rev072007b.doc	Midwest ISO Comments: http://naesb.org/pdf2/weq_071407_midwestiso.pdf

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Appendix A: Executive Committee Meeting Minutes, Comments and Voting Record Links
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Appendix A – Links to Executive Committee Meeting Minutes, Comments and Voting Record Links			
Date of Meeting	Link to Minutes and Executive Committee Voting Records	Recommendations that Resulted in V001 Standards or Standard modifications	Link to Comments Submitted During Formal Comment Period
8-14-07	http://naesb.org/pdf3/weq_ec081407rdm.doc	Recommendation R06025 Modify Appendix D of WEQ 004 to add an explanation for the terms "required" and "correctable", to add a sentence clarifying that tag data elements are not correctable and are not required, and to make the element of Energy Product Type required. http://naesb.org/pdf2/r06025_rec_rev081407_clean.doc	PJM Interconnection Comments: http://naesb.org/pdf2/weq_071407_r06025pjm.doc

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Appendix B: Links to Ratification Ballots and Ratification Results

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Appendix B – Links to Ratification Ballots and Ratification Results

Date of Ballot	Link to Ballot	Link to Ratification Results	Recommendations Ratified that Resulted in V001 Standards or Standard modifications
07-15-05	http://naesb.org/member_login_form.asp?doc=weq_060805_rat_ballot.doc	http://naesb.org/member_login_form.asp?doc=weq_rat060805tally.xls	R04021: Develop standards for daily operational communications between pipelines and power plants. http://naesb.org/member_login_form.asp?doc=r04021_revised_rc.doc
12-06-05	http://naesb.org/member_login_form.asp?doc=weq_rat120605ballot.doc	http://naesb.org/member_login_form.asp?doc=rat_weq010506tally.xls	Recommendation R05002: Amend sections 9.5 and 10.5 of OASIS 1A redirect standards/Recommendation R04035: Clarify OASIS 1A nomenclature and amend WEQ standard 4.19. http://naesb.org/member_login_form.asp?doc=r04035_r05002_rec.doc Attachment A: http://naesb.org/member_login_form.asp?doc=r04035_r05002_rec_aa.ppt Attachment B: http://naesb.org/member_login_form.asp?doc=r04035_r05002_rec_ab.doc
03-10-06	http://naesb.org/member_login_form.asp?doc=weq_rat031006ballot.doc	http://naesb.org/member_login_form.asp?doc=rat_weq041006tally.xls	R04013A – Development of post split “Version 0” Transmission Loading Relief Business Practice Standard http://naesb.org/member_login_form.asp?doc=r04013a_rec.doc Attachment: http://naesb.org/member_login_form.asp?doc=r04013a_rec_attachment_revised112205.doc
05-23-06	http://naesb.org/member_login_form.asp?doc=weq_rat052306ballot.doc	http://naesb.org/member_login_form.asp?doc=rat_weq062206tally.xls	Recommendation R05001: Amend WEQ R03013 to align coordinate interchange transactions with Version 0 http://naesb.org/member_login_form.asp?doc=r05001_rec.doc Attachment: http://naesb.org/member_login_form.asp?doc=r05001_clean[1].doc Recommendation R05007: Review the NAESB WEQ "Version 0" business practice standards and remove any references to ERCOT http://naesb.org/member_login_form.asp?doc=r05007_rec.doc

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Date of Ballot	Link to Ballot	Link to Ratification Results	Recommendations Ratified that Resulted in V001 Standards or Standard modifications
08-02-06	http://naesb.org/member_login_form.asp?doc=weq_rat080206ballot.doc	http://naesb.org/member_login_form.asp?doc=rat_wgq090406tally.xls	Recommendation R06002: Modify NAESB pre-split Version 0 TLR business practices to remain consistent with NERC IRO-006-1 pre-split TLR reliability standards (inclusion of market flows). http://naesb.org/member_login_form.asp?doc=r06002_rec.doc Attachment: http://naesb.org/member_login_form.asp?doc=r06002_rec_rev_attachment.doc
08-31-06	http://naesb.org/member_login_form.asp?doc=weq_rat083106ballot.doc	http://naesb.org/member_login_form.asp?doc=rat_weq100206tally_revised.xls	Recommendation R04006D: Develop OASIS Phase 1A business practices. http://naesb.org/member_login_form.asp?doc=weq_rat083006_r04006d.doc
01-11-07	http://naesb.org/member_login_form.asp?doc=weq_rat011107ballot.doc	http://naesb.org/member_login_form.asp?doc=rat_weq021007tally.xls	Recommendation for WEQ 2006 Annual Plan Item 3(b)(iii)/R03007: Enhance the current OASIS Standards and Communications Protocols (S&CP) to ensure compliance with the Energy Market Access and Reliability Certificates (e-MARC) Security Initiative, currently being developed by NERC http://naesb.org/member_login_form.asp?doc=weq_rat011107_weq_2006_api3iii_r03007.doc
03-07-07	http://naesb.org/member_login_form.asp?doc=weq_rat030707ballot.doc	http://naesb.org/member_login_form.asp?doc=rat_weq040707tally.xls	Recommendation for 2007 WEQ Annual Plan Item 3(a)(2): Implementation of S&CP changes to support Standards of Conduct business practices. http://naesb.org/member_login_form.asp?doc=weq_rat030707_weq_2007_ap_i3a2_rec.doc Recommendation R04006C1 - OASIS 1A Enhancements: Redirects (Release Mechanism) http://naesb.org/member_login_form.asp?doc=weq_rat030707_r04006c1_clean.doc
06-22-07	http://naesb.org/member_login_form.asp?doc=weq_rat062207ballot.doc	http://naesb.org/member_login_form.asp?doc=rat_weq072307tally.xls	Recommendation 2007 WEQ Annual Plan Item 2: Revision to Final Action R04006D to align the Resales Standards with Order No. 890 http://naesb.org/member_login_form.asp?doc=weq_rat062207_weq_2007_ap_i2_rec.doc

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Appendix B – Links to Ratification Ballots and Ratification Results

Date of Ballot	Link to Ballot	Link to Ratification Results	Recommendations Ratified that Resulted in V001 Standards or Standard modifications
08-17-07	http://naesb.org/member_login_form.asp?doc=weq_rat081707ballot.doc	http://naesb.org/member_login_form.asp?doc=rat_weq091707tally.xls	Recommendation R05018: Revise the e-Tag specification to allow PSEs associated with a transmission segment in the tag optional approval rights. http://naesb.org/member_login_form.asp?doc=weq_rat081707_r05018_rec_rev072007.doc Recommendation R06026/2007 WEQ Annual Plan Item 1(b): Revise WEQ-004 Coordinate Interchange Business Practice Standard requirement 2.2 and the table contained in Appendix A, part B, to exempt WECC. http://naesb.org/member_login_form.asp?doc=weq_rat081707_r06026_2007_apib_rec.doc Attachment to Recommendation R06026/2007 WEQ Annual Plan Item 1(b): WEQ-004 Coordinate Interchange Business Practice Standard. http://naesb.org/member_login_form.asp?doc=weq_rat081707_r06026_2007_apib_attach.doc Recommendation R07002: Request to divide the OASIS S&CP into two documents: The S&CP and 2) an Implementation Guide. http://naesb.org/member_login_form.asp?doc=weq_rat081707_r07002_rec_rev072007.doc Attachment 1 to Recommendation R07002: Business Practices for Open Access Same-Time Information Systems (OASIS) Standards & Communication Protocols. http://naesb.org/member_login_form.asp?doc=weq_rat081707_r07002_attach1_rev072007.doc Attachment 2 to Recommendation R07002: NAESB Open Access Same-Time Information Systems (OASIS) Data Dictionary – WEQ-003. http://naesb.org/member_login_form.asp?doc=weq_rat081707_r07002_attach2_rev072007.doc Attachment 3 to Recommendation R07002: Business Practices for Open Access Same-Time Information Systems (OASIS) Implementation Guide http://naesb.org/member_login_form.asp?doc=weq_rat081707_r07002_attach3_rev072007.doc

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Date of Ballot	Link to Ballot	Link to Ratification Results	Recommendations Ratified that Resulted in V001 Standards or Standard modifications
09-04-07	http://naesb.org/member_login_form.asp?doc=weq_rat090407ballot.doc	http://naesb.org/member_login_form.asp?doc=rat_weq100407tally.xls	Recommendation R06025: Modify Appendix D of WEQ 004 to add an explanation for the terms “required” and “correctable”, to add a sentence clarifying that tag data elements are not correctable and are not required, and to make the element of energy Product Type required as revised by the WEQ Executive Committee on August 14, 2007: http://naesb.org/member_login_form.asp?doc=weq_rat090407_r06025clean.doc

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Appendix C: List of Available Transcripts

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Appendix C –List of Available Transcripts			
Date of Meeting	Meeting and Minutes	Transcription Service	How to obtain transcripts ¹³
05-31-05	WEQ EC Meeting: http://naesb.org/pdf2/weq_wgq_ec053105a.doc	Riverside Reporting	Call Riverside Reporting at 713-662-0062
11-29-05	WEQ EC Meeting: http://naesb.org/pdf2/ec112905a.doc	Ace Federal Reporters	Call Ace Federal Reporters at 202-347-3700
05-09-06	WEQ EC Meeting: http://naesb.org/pdf2/ec050906ra2.doc	Ace Federal Reporters	Call Ace Federal Reporters at 202-347-3700
08-15-06	WEQ EC Meeting: http://naesb.org/pdf2/ec050906ra2.doc	Court Reporter's Clearinghouse	Call Court Reporter's Clearinghouse at 713-626-2629
12-19-06	WEQ EC Meeting: http://naesb.org/pdf2/weq_ec121906a.doc	Court Reporter's Clearinghouse	Call Court Reporter's Clearinghouse at 713-626-2629
02-09-07	WEQ EC Meeting: http://naesb.org/pdf2/ec020607a.doc	Court Reporter's Clearinghouse	Call Court Reporter's Clearinghouse at 713-626-2629
05-08-07	WEQ EC Meeting: http://naesb.org/pdf2/ec050807ra.doc	Ace Federal Reporters	Call Ace Federal Reporters at 202-347-3700
07-20-07	WEQ EC Meeting: http://naesb.org/pdf2/weq_ec072007a.doc	Court Reporter's Clearinghouse	Call Court Reporter's Clearinghouse at 713-626-2629
08-14-07	WEQ EC Meeting: http://naesb.org/pdf2/weq_ec081407a.doc	Court Reporter's Clearinghouse	Call Court Reporter's Clearinghouse at 713-626-2629

¹³ The Federal Energy Regulatory Commission and other regulatory agencies may contact the NAESB office to obtain electronic copies of the transcripts. All others can contact the transcription service and order the transcripts for a nominal fee.

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Appendix D: Cross Reference of Standards Adopted in Version 001 to FERC actions on those standards

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Appendix D -- Cross Reference of Standards Adopted in Version 001 to FERC actions on those standards		
Date of Issuance	FERC Order and related NAESB Status Reports	Recommendations that included the standards incorporated by reference
6-25-07	Docket Nos. RM96-1-027, RM05-5-001 – Order 698: http://www.naesb.org/doc_view2.asp?doc=ferc062507.doc Cite: “The Commission is incorporating by reference certain standards promulgated by the Wholesale Gas Quadrant (WGQ) and the Wholesale Electric Quadrant (WEQ) of the North American Energy Standards Board (NAESB). Through this rulemaking, the Commission is seeking to improve coordination between the gas and electric industries in order to improve communications about scheduling of gas-fired generators.” Related NAESB Status Reports Filed with the Commission: 6-27-05 Gas-Electric Interdependency Report and business practice standards for communications between pipelines and gas fired generation facilities (R04021): http://www.naesb.org/doc_view2.asp?doc=ferc062705_cover_report.pdf	R04021 – Business Practice Standards for pipeline – gas fired generation facility communications: http://www.naesb.org/doc_view2.asp?doc=r04021_revised_rc.doc
4-19-07	Docket No. RM05-5-003 – Order 676-B: Cite: The Federal Energy Regulatory Commission (Commission) is amending its regulations under the Federal Power Act (FPA) to incorporate by reference revisions to the Coordinate Interchange business practice standards (WEQ-004) adopted by the Wholesale Electric Quadrant (WEQ) of the North American Energy Standards Board (NAESB) on June 22, 2006. These standards identify the processes and communications necessary to coordinate energy transfers that cross boundaries between entities responsible for balancing load and generation.” Related NAESB Status Reports Filed with the Commission: 11-16-06 Standards for Business Practices and Communication Protocols for Public Utilities: Coordinate Interchange Business Practice Standards (R05001): http://www.naesb.org/doc_view2.asp?doc=ferc111606.pdf 02-05-07 Standards for Business Practices and Communication Protocols for Public Utilities: Coordinate Interchange Business Practice Standards (R05001) supplemental filing to the November 16, 2006 filing to map the WEQ standards to reliability requirements that were removed from the reliability standards in the North American Electric Reliability Council (NERC) filing: http://www.naesb.org/doc_view2.asp?doc=ferc020507.pdf.	R05001 – Amend WEQ R03013 to Align Coordinate Interchange Transactions with Version 0: Recommendation: http://www.naesb.org/doc_view2.asp?doc=fa_weq_r05001_mc032007.doc Attachment: http://www.naesb.org/doc_view2.asp?doc=fa_weq_r05001_mc032007_attach.doc

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Appendix E: NAESB Process to Develop and Adopt Standards
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The NAESB Standards Development Process

NAESB is focused on proposing, considering, and adopting voluntary standards and model business practices that will have a significant and lasting impact on all aspects of the natural gas and electricity marketplaces. As a result of the standards NAESB adopts, it is expected that the industry will operate more efficiently and effectively, benefiting both the industry and its customers. At the same time, it must be acknowledged that NAESB standards may constitute a change in the way parties do business, with an accompanying effect on the use and allocation of resources.

NAESB's policy is to move at a deliberate pace, consistent with its annual plan(s), thus permitting those affected by its standards, especially those standards adopted as regulations by the Federal Energy Regulatory Commission (FERC) or other regulatory bodies, to assimilate them as part of their business practices. To this end, NAESB will carefully consider whether proposed standards are both timely and necessary. In particular, it will try to avoid adopting and implementing new standards, however beneficial, before the industry is able to reasonably make use of them.

The standards development process is governed by the annual plan, and items can be included in the plan or modified only with Board approval. The plan typically reflects requests from NAESB members, government agencies, and other interested parties. In approving the annual plan, the Board considers the availability of resources, including the NAESB budget and staff and the availability of industry volunteers. New requests received throughout the year are either considered part of the existing annual plan or as new items that require Board approval.

The standards development process begins with an annual plan item or a triaged and approved request. Triage is a process used by each quadrant of the Executive Committee (EC) to determine whether a request is within scope, which quadrant(s) it applies to, which subcommittee(s) it should be referred to, and what priority it should be assigned. Triage is carried out by EC members appointed by the EC chair. Triage recommendations are submitted to the en banc EC and require EC approval, and may also require Board approval if there are scope questions or if a modification of the annual plan is required.

Once the triage process is completed, the subcommittees—more than one are normally involved in standards recommendations—review the request, compare it to existing standards, and prepare recommendations that may take the form of new or modified standards or interpretations. Participation in EC subcommittees is open to any interested party regardless of membership status. All subcommittee participants may vote; voting is balanced by segment and quadrant. All votes are public.

When the recommendation is complete, it is made available for a thirty-day industry comment period. The recommendation and comments are then forwarded to the EC, which considers the recommendation, makes any changes it deems necessary, and takes a vote. A recommendation must receive an affirmative vote of at least 67 percent from each applicable quadrant EC and 40 percent from each of the segments of the applicable quadrant(s).

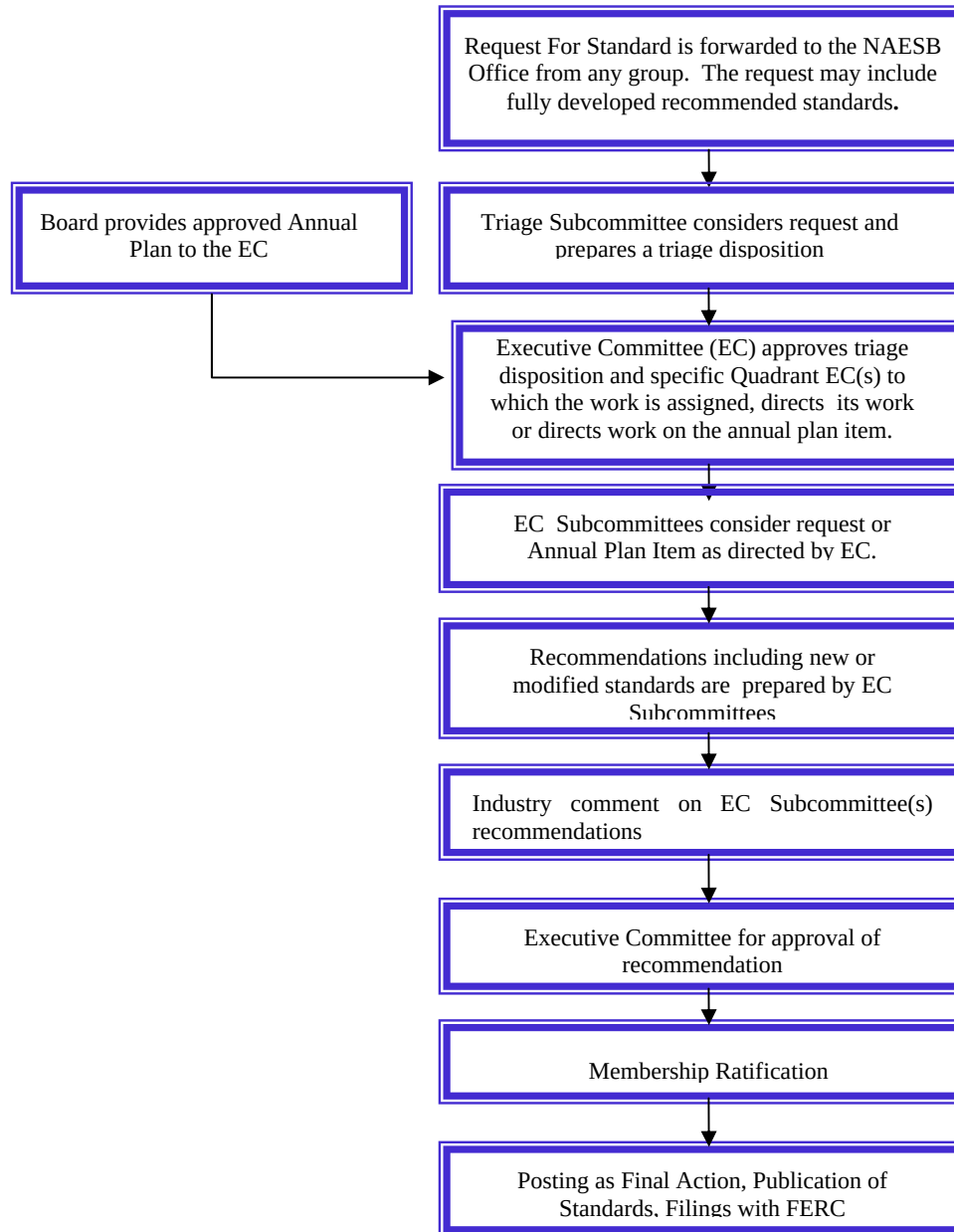
After passage by the EC, the recommendation must be ratified by the NAESB members. An affirmative vote of 67 percent of the members of the applicable quadrant(s) is required for ratification. After ratification, standards and modifications are considered final actions and will be published in the next version of NAESB standards.

All NAESB quadrants follow the same development process described herein. The process has been followed by the WGQ since 1994 and has been used to develop more than five hundred standards that have been incorporated by reference into federal regulations.

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Appendix E: NAESB Process to Develop and Adopt Standards
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North American Energy Standards Board
Standards Development Process Flow Chart



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Appendix E: NAESB Process to Develop and Adopt Standards
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Flexibility

NAESB recognizes that flexibility is necessary as standards are developed to address regional concerns or to incorporate variances to accommodate operational or structural differences. Several WEQ standards incorporate regional or operational differences for both Version 0 and Version 1. There is a high threshold for incorporating such variances in a standard; the subcommittee(s) in drafting the standard, the EC in approving the subcommittee recommendation, and the membership in approving the standard must all agree that such variance is necessary. Nonetheless, NAESB procedures are well suited to take into account operational and regional differences.

Transparency

All NAESB meetings are open for attendance and participation by any interested party, with the exception of executive sessions of the Board or Managing Committee for purposes of discussing personnel, compensation or legal issues. Meeting announcements and agendas are posted in advance to permit the widest possible participation. Conference-calling capability is available for all meetings and web casting is available for most. Those intending to attend a meeting in person or by telephone are asked to notify NAESB by a specific date to permit adequate meeting planning.

Transcripts are made of all Board of Directors and EC meetings, and may also be made of other meetings that are expected to be controversial. Transcripts are maintained in the NAESB office and are provided to regulatory agencies for their internal use. All other interested parties can purchase transcripts from the relevant transcription service.

Coordination with NERC

For business practice standards development for the WEQ, if it is determined by NERC and NAESB Executive Management that joint development is needed by NERC and NAESB, the NERC-NAESB Coordination Joint Development Process is implemented.¹⁴ This process requires that the appropriate NAESB Subcommittee and NERC Standards Drafting Team work together to develop reliability standards and business practices. This process is currently being implemented by the NAESB WEQ BPS and ESS/ITS with the NERC ATC Standards Drafting Team to develop reliability standards and business practice standards to address Commission Order No. 890.

The Joint Interface Committee of NAESB, NERC and the ISO-RTO Council ("JIC") was dissolved as part of the agreement to create the Independent Grid Operator segment of the WEQ. The joint development process between NAESB and NERC is being used to ensure appropriate coordination. The ISOs and RTOs have strong decision-making roles in both NERC and NAESB, and thus with the use of the joint development process, the JIC was no longer necessary. Documentation is being prepared to formally dissolve the JIC, which has not met since June 15, 2006. The record of the meetings can be found on the NAESB web site at the following link: http://www.naesb.org/weq/weq_nercmou.asp.

¹⁴ The NERC-NAESB Coordination Joint Development Process was submitted to the Commission on February 17, 2006 in Attachment C of the Progress Report on NAESB Activities impacting Docket No. RM05-5-000, "Standards for Business Practices and Communication Protocols for Public Utilities": http://www.naesb.org/doc_view2.asp?doc=ferc021706.pdf.

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials

February 4-5, 2008

TAB 8

WEQ Subcommittee Updates

- The materials for subcommittee activities are included. The materials are provided for discussion purposes and no action is required of the WEQ EC members. Other presentation materials will be made available after the meeting. Included are:
 - Triage Report
 - Joint Interchange Scheduling Working Group Electric Industry Registry request for comments and report
- The materials in Tab 8 correspond to agenda item 8.



North American Energy Standards Board

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 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@naesb.org
 Home Page: www.naesb.org

January 31, 2008

Via email and posting

TO: NAESB Executive Committee (EC) Members
FROM: NAESB Office
cc: EC Alternates, Terry Bilke, Narinder Saini, Ed Skiba, Paul Love, Mitchell Whitehead
RE: NAESB Triage Actions Pending for R07019-R07020, R08001 –R08007 AMENDED – Request Reply

Dear Triage Committee and EC members,

We have nine requests to triage – R07019 to R07020 and R08001 to R08007 -- all provided below as hyperlinks. The NAESB office recommends the following actions:

For [R07019](#) – submitted by [Narinder Saini](#) and [Ed Skiba](#) on behalf of the WEQ Standards Review Subcommittee:

This request is (1) found within scope; (2) to be assigned to the Wholesale Electric Quadrant (WEQ); and (3) because it is a request to review/revise WEQ 006 to remove/revise mandatory requirements for Interconnection Time Monitor, it should be assigned to the WEQ Business Practices Subcommittee (BPS). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WEQ BPS.

For [R07020](#) – submitted by [Terry Bilke](#) on behalf of the Midwest ISO:

This request is (1) found within scope; (2) to be assigned to the Wholesale Electric Quadrant (WEQ); and (3) because it is a request to develop a NAESB time and inadvertent management business practice that provides additional inadvertent payback options and improved time control, it should be assigned to the WEQ Business Practices Subcommittee (BPS). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WEQ BPS.

For [R08001](#) – submitted by [Ed Skiba](#) on behalf of the Midwest ISO:

This request is (1) found within scope; (2) to be assigned to the Wholesale Electric Quadrant (WEQ); and (3) because it is a request to make consistency changes to the WEQ 001 (OASIS) standards as provided to the WEQ Leadership Team on December 12, 2007, it should be assigned jointly to the WEQ Electronic Scheduling/Information Technology Subcommittees (ESS/ITS) and WEQ Business Practices Subcommittee (BPS). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WEQ BPS and ESS/ITS.

For [R08002](#) – submitted by [Ed Skiba](#) on behalf of the Midwest ISO:

This request is (1) found within scope; (2) to be assigned to the Wholesale Electric Quadrant (WEQ); and (3) because it is a request to make consistency changes to the WEQ 002 (OASIS S&CP) standards as provided to the WEQ Leadership Team on December 12, 2007, it should be assigned to the WEQ Electronic Scheduling/Information Technology Subcommittees (ESS/ITS). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WEQ ESS/ITS.

For [R08003](#) – submitted by [Ed Skiba](#) on behalf of the Midwest ISO:

This request is (1) found within scope; (2) to be assigned to the Wholesale Electric Quadrant (WEQ); and (3) because it is a request to make consistency changes to the WEQ 003 (OASIS S&CP Data Dictionaries) standards as provided to the WEQ Leadership Team on December 12, 2007, it should be assigned to the WEQ Electronic Scheduling/Information Technology Subcommittees (ESS/ITS). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WEQ ESS/ITS.

For [R08004](#) – submitted by [Ed Skiba](#) on behalf of the Midwest ISO:

This request is (1) found within scope; (2) to be assigned to the Wholesale Electric Quadrant (WEQ); and (3) because it is a request to make consistency changes to the WEQ 011(Gas-Electric Coordination) standards as provided to the



North American Energy Standards Board

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WEQ Leadership Team on December 12, 2007, it should be assigned to the WEQ Business Practices Subcommittee (BPS). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WEQ BPS.

For [R08005](#) – submitted by [Ed Skiba](#) on behalf of the Midwest ISO:

This request is (1) found within scope; (2) to be assigned to the Wholesale Electric Quadrant (WEQ); and (3) because it is a request to make consistency changes to the WEQ 013 (OASIS Implementation Guide) standards as provided to the WEQ Leadership Team on December 12, 2007, it should be assigned jointly to WEQ Electronic Scheduling/Information Technology Subcommittees (ESS/ITS). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WEQ ESS/ITS.

For [R08006](#) – submitted by [Paul Love](#) on behalf of the NGPL:

This request is (1) found within scope; (2) to be assigned to the Wholesale Gas Quadrant (WGQ); and (3) because it is a request to modify WGQ Standard 4.3.16 regarding the formats for downloading and displaying information posted to the Informational Postings portion of the pipeline web sites, it should be assigned to the WGQ Business Practices Subcommittee (BPS) in conjunction with the WGQ Electronic Delivery Mechanisms (EDM) Subcommittee. There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ BPS and the WGQ EDM.

For [R08007](#) – submitted by [Mitchell Whitehead](#) on behalf of the Boardwalk Pipeline Partner:

This request is (1) found within scope; (2) to be assigned to the Wholesale Gas Quadrant (WGQ); and (3) because it is a request to add a new data field to the Measured Volume Audit Statement dataset (WGQ Standard 2.4.6), 'Physical Meter Effective Time' (Meter Eff Time) with a business conditional usage, it should be assigned to the WGQ Business Practices Subcommittee (BPS). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ BPS.

If you have any questions on a specific request, please contact the requestor directly -- their email addresses are provided above. If you have any concerns on the above actions, please respond via email with your concern stated, and we will convene a conference call for its resolution. If no concerns are raised, then on February 17, triage notes will be posted on the NAESB web site indicating that the Triage Subcommittee and the EC agrees with the above actions, and the requests will be forwarded to the chairs of the subcommittees to which they have been assigned.



North American Energy Standards Board

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via email and posting

TO: NAESB Wholesale Electric Quadrant (WEQ) Members and Interested Industry Participants
CC: NAESB WEQ Joint Interchange Scheduling Working Group (JISWG)
FROM: WEQ Joint Interchange Scheduling Working Group (JISWG), David Huffman, Meeting/Project Manager, NAESB
RE: Request for Informal Comments on the EIR System Requirements Document 20080123, Comments are due **March 14, 2008**
DATE: January 29, 2008

Dear NAESB WEQ Members and Interested Industry Participants,

At the January 23-24, 2008 Joint Interchange Scheduling Working Group Meeting, the subcommittee voted out for informal comments the EIR System Requirements Document 20080123.

The JISWG is requesting that informal comments be submitted on the above referenced document. The comment period begins today, January 29, 2008, and ends on March 14, 2008.

The document for which comments are requested can be found posted on the JISWG page:

EIR System Requirements Document 20080123 (redline):

http://www.naesb.org/pdf3/weq_jiswg012908reqcom_a1.doc

EIR System Requirements Document 20080123 (clean):

http://www.naesb.org/pdf3/weq_jiswg012908reqcom_a2.doc

Comments submitted will be reviewed by the JISWG during the March 19-20, 2008 meeting in Houston, TX. Please return any comments you have on the document to the NAESB Office (naesb@naesb.org or 713-356-0067 fax) by end of business **March 14, 2008**. If you have any questions or need further assistance, feel free to contact the NAESB Office at 713-356-0060.

Best Regards,

David Huffman

NAESB

NAESB

System Requirements Document

Electric Industry Registry (EIR)

Version 1.1
November 16, 2007

Revision History

Date	Version	Description	Author
December 13, 2005	0.3	Initial Version	JISWG
February 13, 2006	0.4	Addition of Glossary	JISWG
May 25, 2006	1.0	Changes to address Industry Comment	JISWG
November 16, 2007	1.1	Updated for NAESB RFP	JISWG

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1 Introduction

This System Requirements Document describes the content and requirements for a central repository (or Registry) of information for various electric industry needs addressing both reliability and commercial interaction. The Registry must incorporate existing functionality provided by the current TSIN Registry 1.7 and accommodate new industry requirements to support OASIS, e-Tag, functional model registration, and other applications. Data residing in the Registry will be authenticated before being published for use. The Joint Interchange Scheduling Working Group (JISWG), in cooperation with NERC and NAESB staff, will oversee the development and implementation of the Registry.

1.1 Requirements Overview

The following is a brief summary of the existing regulatory and industry application requirements for information to be made available through a central registry NAESB Business Practices Standards; Order 638

- Entity Code
 - Entity DUNS
 - Transmission service attributes
 - Ancillary service attributes
 - Points of Receipt and Delivery (PORs/PODs)
- NAESB Standards and Communications Protocols for Open Access Same Time Information Systems (OASIS); Order 889-B, Order 605
 - OASIS Node Location (URL)
 - OTHER_CURTAILMENT_PRIORITY
 - PROCEDURE_NAME
 - PROCEDURE_LEVEL
 - REQUEST_TYPE
 - SECURITY_TYPE
 - SYSTEM_ATTRIBUTE
- NERC Reliability Standards and the e-Tag specification:
 - Tag Service Location (Agent/Authority/Approval/Forwarding URLs)
 - PSE Code
 - CA Code
 - TSP Code
 - SC Code
 - PORs/PODs
 - Sources/Sinks
 - Product codes

The current TSIN Registry 1.7 definition accommodates most of these requirements.

The following are various Industry initiatives that could benefit from an expanded central registry of information:

- NERC Functional Model
 - Functions performed by an entity (e.g., BA, TSP, etc.)
 - Certification of entity to perform function(s)
- NAESB Wholesale Electric Quadrant (WEQ) Public Key Infrastructure (PKI)
 - Authorized Certification Authorities (CA)
 - Qualified CA Object Identifiers (OIDs)
 - CA Root Certificate Public Key

- e-tag Transaction Path Validation
 - TSP POR/POD Path and Scheduling Entity Association
 - TSP Path Adjacency
 - Source to TSP POR Adjacency
 - TSP POD to Sink Adjacency
- Seams Coordination and IDC Granularity
 - Book of Flowgates
 - AFC coordination data
 - Source/sink zones

These current and future Registry requirements are summarized in the following subsections according to the general functionality that will be required to be supported.

1.1.1 Registry Identifier

The Registry must include identifying information related to its publication, format, and applicability. Such information might include:

- Schema version
- Publication date/time
- Activation date/time

Schema version would reference an agreed to enumeration of revisions to the Registry, or might reference a specific XSD, if the Registry is published in an XML format. Publication date would be when this version of the Registry was created and made available. Activation date would be when this specific version of the Registry was to take effect.

Additional information may be included to provide assurance that the Registry is authentic and has not been altered. This information might include a “digest” of the Registry, digitally signed by the registry administrator, such that any corruption or modification of Registry information could be detected. This mechanism will be determined during the detailed design phase of the Registry project. Entities (Companies)

Entity (Company) registration is one of the key functions of the current Registry and will be extended in the new Registry. Key attributes that are required for entity registration and integration with existing applications include:

- Entity Name
- Entity Location(s)
- Entity Contact(s)
- Entity Identifier(s)
- Entity Code(s)
- Entity-to-Entity Relationship(s)
- Entity Role(s) (Functions)
- Entity Certification(s)

The Registry must support the registration of the full business entity name and primary place of business. Entity registration must provide for the entry of effective start and end date/times. These dates may be in the future to take effect on, but not before, the specified start date/time.

The ability to support a one-to-many relationship between a given registered entity and each of the attributes for location, contact information, identifiers, codes, affiliations and roles must be provided.

Entity location information will consist of a street address for the entity. Contact information will be classified by the contact type. Contact types will be defined in the Registry by the registry administrator.

For example, there may be administrative contacts, technical support contacts, emergency (24x7) contacts, etc. Contact types will be associated with the specific entity roles. The registry administrator may require that certain contact types be populated. The Registry implementation should enforce this requirement as part of automated data validation and constraint verification. Entity identifier would minimally support the registration of the entity's DUNS number required by the OASIS application. Various other industry recognized standard identifiers may be used in the future. The system design should anticipate the need to accommodate additional identifiers.

Entity code information is important to both the OASIS and the e-tag specifications. OASIS codes are the entity code itself. E-tag codes are the registered tag PSE codes currently consisting of the entity code with an appended tag desk code. (Note for additional description on entity codes) Current requirements must be supported, but other restrictions should be relaxed with the only requirement that entity code must be unique at any given point in time, and once assigned should have limited ability to be re-used by another entity, e.g., only in the case of an acquisition/merger or divestiture. The ability to require and enforce an authorized third party (i.e. Registry administrator or designee)¹ approval of registered entity codes must be included in the Registry.

Entity-to-entity relationships must be supported to provide a trace of entity acquisitions/mergers and or divestitures, as well as inter-entity affiliations. Entity affiliations are required by the OASIS application to identify the merchant affiliates of each transmission provider.

Entity roles or functions must be extended from the limited set supported by the current TSIN Registry 1.7 to support the registration of entities performing the various functions defined by the NERC Functional Model. Registration of an entity role/function should provide the ability for third party (i.e. Registry administrator or designee) approval or "certification" that the entity has in fact been qualified to perform that function. The ability to enable or disable the requirement for third party approval of a registered entity role is required. (Flag: "or information" will be added where appropriate.) The EIR must include the capability for registering all functional model roles. Only certain functional model roles are required to register however it must be possible for any entity to register as performing a defined role if allowed by the Registry administrator. The following are the initial set of entity roles to be considered in the Registry:

- Current O/SE (Operations) associated entity roles
 - RC — Reliability Coordinator
 - BA — Balancing Authority
 - MO — Market Operator
 - TO — Transmission Operator
 - TSP — Transmission Service Provider
 - IA — Interchange Authority
 - GO — Generator Operator
- Current TC/PSE (Merchant) associated entity roles
 - TC — Transmission Customer (i.e., OASIS customer code)
 - PSE — Purchasing Selling Entity (i.e., Tagging desk code)
 - LSE — Load Serving Entity (implies PSE)
 - GPE — Generation Providing Entity (implies PSE)
 - Generator Owner
- Additional Entity Roles
 - Registry Administrator
 - ASP — Application Service Provider
 - PKICA — PKI Certification Authority

¹ Note that "third party" identification depends on the type of information being registered.

- PKIPA — PKI Policy Authority
- ERO — Electric Reliability Organization
- RRO — Regional Reliability Organization
- IMM — Independent Market Monitor
-
- Compliance Monitor
- Distribution Provider
- Planning Coordinator
- Resource Planner
- Standards Developer
- Transmission Owner
- Transmission Planner
-

The key registration requirement is that an entity may register one or more entity codes. Each of those entity codes may be associated with one or more entity roles. The combination of entity code and entity role determines the context within certain actions that may be performed or granted. For example, in e-tagging, the entity code allowed to appear in association with a source must be designated as having the entity role of GPE to be valid in the context of that tag.

1.1.2 Clients (Users)

The Registry must support at least a rudimentary set of client/user registration functions to minimally identify who is able to access and update the Registry itself. There will also be requirements that certain applications will require the Registry to provide client authentication credentials.

Typical information that would be registered for a client would include:

- User's entity
- User name
- User credential(s)

User credentials may include different types of credentials, but would minimally support the x.509 certificate information for one or more certificates issued to that client. The Registry must support a one-to-many relationship between a client and their credentials. Certificate credentials require information from the certificate subject field and certificate issuer field for uniqueness.

1.1.3 Security

The NAESB WEQ PKI Certificate Policy and Authorized Certification Authority Accreditation and Certification program will identify those certification authority service providers that are authorized to issue certificates under the NAESB policy.

These certification authority service providers would be registered as an entity with the appropriate role of PKICA. An NAESB Policy Authority would be required to approve/certify these registrations before they are to be “trusted”. Who will serve as the Policy Authority has not been determined. The following additional information will be registered for each authorized certification authority:

- Certificate Issuer(s)

The certificate issuers identify an attributes that can be embedded in the certificates issued by this authorized certification authority.

1.1.4 Applications

The Registry must support the registration of specific applications and will require the registration of specific “enumerated” data types or attributes. This requirement is particularly true for OASIS. FERC and NAESB Business Practice Standards enumerate specific transmission and ancillary service attributes and additional data elements that may be “registered” by a transmission provider.

Applications may also require the identification or location of the server/service provided for the application. OASIS requires the registration of the OASIS node location (URL) for each transmission provider; e-tag requires the registration of the location (URL) for each of the tag services required to be provided by TSPs, CAs, and PSEs.

Each application that requires registration of specific information would appear in the Registry. Application “registration” is envisioned to be part of the base data established by the registry administrator. The specific application attributes would then be registered by either the industry at-large, or specific entities.

1.1.4.1 Application Services

The Registry currently supports registration of various application services by the Uniform Resource Locator (URL) that is used to access that service/application. This includes:

- OASIS Nodes
- Tag Agent Services
- Tag Authority Services
- Tag Approval Services
- Tag Forwarding Services

It is expected that additional services may be registered in the future. Such information might include locations for web services related service URLs, XML schema, WSDL, or UDDI locators.

Application services are envisioned to be registered and maintained by those entities that support/provide the service (e.g., entity type of ASP). Contact information should be provided for each service (e.g., twenty-four hour support, administrative, etc.). Many potential entities could subscribe or use these services. The Registry must support an entity’s registration as a user/subscriber to a specific registered service. The Registry will need to support a many-to-many relationship between services and entities. The Registry must support a many-to-many relationship between services and client certificates (certificate credentials).

The Registry must support mapping between application services and the applications they support. The exact nature of this association must recognize, but not limited to, the following types of existing relationships:

- Application = e-tag
 - Service = Tag Agent URL
 - Service = Tag Authority URL
 - Service = Tag Approval URL
 - Service = Tag Forwarder URL
- Application = OASIS
 - Service = OASIS URL
- Application = IDC
 - Service = IDC URL

1.1.4.2 Application Attributes

Each application appearing in the Registry may require the definition of unique registered attributes. OASIS requires such information for the transmission service attributes for data elements TS_CLASS, TS_TYPE, SERVICE_INCREMENT, etc. The e-tag application also requires definition of product codes and curtailment priorities.

Capabilities must be provided for a Registry administrator or designee to review and “approve” registration of attributes.

The basic information that is required to be captured related to application attributes would include:

- Application (name or identifier)
- Application Attribute (e.g., TS_CLASS, etc.)
- Application Attribute Value (e.g., FIRM, etc.)
- Registering Entity
- Approval Entity

1.1.5 Topology

The Registry must support the registration and association between physical, commercial, and reliability topology information for use in a variety of applications.

These applications would include:

- Definition of metered areas (balancing areas) controlled by registered balancing authorities (BAs)
- Definition of the metered areas (balancing areas) overseen by registered reliability coordinators (RC) (reliability coordinator areas)
- Definition of metered areas participating in a centralized market overseen by a registered market operator (MO) (market areas)
- Contract path or e-tag path adjacencies between transmission providers (TSPs), and scheduling entities (SEs)
- Location of commercial service points (PORs, PODs, sources, or sinks) with respect to commercial markets and with respect to reliability related areas (BAs/RCS)
- Mapping of commercial service points to reliability or network modeled elements recognized by reliability applications (e.g., OASIS POR/PODs mapped to IDC flowgates or MMWG elements)

OASIS and e-tag currently require the registration of PORs, PODs, sources, and sinks and the association of Control Areas to Reliability Coordinators. This functionality must be retained and updated to reflect the NERC Functional Model. Registry administrator or designee (e.g., MO, TSP, or BA) approval of registered topology information must be supported. The approval (authentication) of data will vary by data element. Any element must be able to be mapped to any registered entity as the “approval entity”. Many of the data elements included in the EIR will be under the control solely of the user authorized to enter data into the Registry and will require no approval. The JISWG will work with the vendor to provide a mapping between 1) data elements requiring authentication and 2) the authenticating party.

The most significant immediate extension needed by the industry is a means to validate tag path information through the Registry. The requirements for this extension are discussed in the following subsections along with some of the simpler topological relationships that may be represented in the Registry.

1.1.5.1 Interconnection

The Registry must provide for a hierarchical model of inter-relationships to represent the different topologies, physical, commercial, and/or political that is needed by the industry. Definition of the three major synchronous Interconnections, Western, Eastern, and ERCOT, must be included in the Registry as

a foundational element. Creation and maintenance of Interconnection registration may be the responsibility of the registry administrator.

1.1.5.2 Electric Reliability Organization

The registry must allow the registration of the Electric Reliability Organization (ERO). The ERO will have a role in authorizing certain data elements (such as RROs and RCs).

1.1.5.3 Regional Reliability Organization

[we start-off with RROs, but what about the ERO? Would they be the registry administrator for the interconnection registration above?] Regional Reliability Organizations (RROs) may be included in the Registry to identify the overseeing RRO that has responsibility for a reliability area and/or balancing area.

RROs must be registered and associated with a single entity/entity code acting as that RRO. Registration of reliability areas and/or balancing areas as being associated with a given RRO must be supported. The possibility of a given reliability area being associated with more than one RRO must be supported.

1.1.5.4 Reliability Area

Reliability authorities/coordinators must have the ability to define their specific areas of influence. It is assumed that a reliability area would not cross an Interconnection. It may be related to one or more Regional Reliability Organizations and, it would include one or more balancing areas.

Reliability areas must be registered and associated with a single entity/entity code acting as Reliability Coordinator. The registry administrator may take on the responsibility for creating and maintaining registration of reliability areas.

1.1.5.5 Market Area

The boundaries of centrally administered markets may be registered. This information may be used by applications such as e-tagging to limit market operator re-dispatch of tagged transactions to only those balancing areas over which they have such authority. It is assumed that a market area can span one or more reliability areas, one or more Regional Reliability Organizations, but will contain, in its entirety, one or more balancing areas. The Registry must support market area registration. Market Operator adjustments would depend on this information.

Market areas must be registered and associated with a single entity/entity code acting as market operator. The registry administrator may take on the responsibility for creating and maintaining registration of market areas.

1.1.5.6 Balancing Area

The balancing area represents a named metered area overseen by a single certified balancing authority. It is assumed that a BA will be within one and only one Interconnection and one and only one market area (if any) and one and only one reliability area. The BA may span one or more Regional Reliability Organizations.

Balancing areas must be registered and associated with a single entity/entity code certified to act as a BA. The registry administrator may take on the responsibility for creating and maintaining registration of balancing areas.

1.1.5.7 Control Zone (or Little Balancing Area/LBA)

The Registry must be able to support the concept of control zones that represent subsets of a balancing area. This supports the potential for increased granularity for system reliability tools when identifying the impact of certain transactions on network elements. By default, the BA is the control zone. At least one

control zone must be registered for each balancing area. Where increased model granularity must be recognized, the ability to associate multiple control zones within a single balancing area must be supported (e.g., PJM as balancing area has control zones of CE, AEP, DPL, etc.).

Control zones may be registered by the single entity/entity code certified to act as the BA that contains that control zone. Definition of control zones must be coordinated by those responsible for wide-area network modeling and maintenance of reliability tools that rely on those models. The registry administrator may take on the responsibility for creating and maintaining registration of control zones.

1.1.5.8 Service Points

The current Registry provides for transmission service provider definition of the commercial PORs and PODs used in OASIS. The Registry also provides for PSEs to define e-tag sources (for GPEs) and sinks (for LSEs). This functionality must be retained. However, a more rigorous process for Registry administrator or designee validation of these service point registrations should be instituted.

When registered, the relationship of each commercial service point to the entity making the registration (e.g., TSP for PORs/PODs), and the various “areas” in which the point is located (e.g., Interconnection, reliability area, market area, balancing areas, etc.) such that all the operational entities that may be involved with commercial or reliability issues associated with that point may be identified.

The Registry must provide for the association of a given source or sink with one and only one control zone. The Registry must also provide for the association of which registered entity/entity code of type GPE may reference a given source and the association of which registered entity/entity code of type LSE may reference a given sink.

Currently, GPEs/LSEs are allowed to submit registrations of sources and/or sinks with approval granted to the referenced BA and/or MO. Since this information is so integrally tied into market and reliability processes and systems, the industry may elect to change the registration procedure to be controlled by operational entities rather than merchant entities. The Registry implementation must be flexible to allow control over source/sink registration by PSEs with approval of a balancing authority or market operator or limit registration to only be submitted and maintained by the BA/MO.

1.1.5.9 Paths

The Registry must support the definition of commercial transmission paths by each entity/entity code registered as a TSP. A path is defined as a valid POR and POD pair that may be scheduled with a designated scheduling entity (SE). There must be no restriction that a given named path may be associated with multiple POR/POD pairs, or that a given POR/POD pair may be associated with multiple paths. The combination of TSP, POR, POD, Scheduling Entity, and path name must be unique. Registration of paths and their associated POR/POD pair and Scheduling Entity must support the OASIS S&CP path naming convention.

For TSPs that have many Interconnections, physical and/or contractual, with other TSPs, the number of unique POR/POD pairs that represent valid commercial paths within their systems can be voluminous. The Registry implementation must provide for the ability to define paths using wildcard designations or other user interface or application programming interface structures to provide for an efficient mechanism to manage this large volume of information. The internal representation of path information in the Registry, however, may be very explicit to simplify programmatic use of the information.

That is, a TSP that has ten POR/PODs, and all possible pair-wise combinations of POR and POD are legitimate scheduling paths with a given Scheduling Entity, must be able to register and manage this information in an efficient manner even though the actual Registry may contain the explicit definition of the paths that result from those ten POR/PODs.

1.1.5.10 Path Adjacency

The Registry must support the ability to identify adjacencies between TSPs and Scheduling Entities'. This information is intended to be used specifically for e-tag scheduling path validations. Many constructs could be used to register and identify these adjacencies. The most direct method would be to identify which specific TSP registered paths (POR, POD, Scheduling Entity, Path combination) are adjacent to both any upstream TSP (i.e., TSP POR adjacent to upstream POD) and downstream TSP (i.e., TSP POD adjacent to downstream POR).

The Registry must recognize the many permutations of physical and contractual adjacencies that must be supported in order to accurately represent valid scheduling paths between TSPs and controlled by Scheduling Entities'. As with path definitions, this data can be voluminous and shorthand, efficient methods to enter and maintain the necessary associations must be implemented.

1.1.5.11 Source-POR Adjacency

The current source and POR registration must be extended to provide a mechanism to register the commercial relationship between a source resource and the TSP PORs over-which transmission service must be secured to schedule energy. Alternatively, source to path adjacency could be used to define this relationship more explicitly.

1.1.5.12 POD-Sink Adjacency

The current sink and POD registration must be extended to provide a mechanism to register the commercial relationship between a sink resource and the TSP PODs over-which transmission service must be secured to schedule energy. Alternatively, source to path adjacency could be used to define this relationship more explicitly.

1.1.6 Reference Documents

The following reference documents provide additional information on the various functional requirements that must be met by the TSIN Registry 1.7. The latest version of the following documents (where applicable):

- Standards and Communication Protocols for Open Access Same Time Information System (OASIS), FERC Docket No. RM95-9-014.
- Open Access Same-Time Information System and Standards of Conduct, Order No. 638, FERC Docket No. RM95-9-0014.
- Master Registry Definition Document, Version 1.7, NERC.
- Electronic Tagging — Functional Specifications, Version 1.7.095, NERC.
- Electronic Tagging — Registry Definition, Version 1.7.04, NERC.
- NAESB WEC PKI Standard and Certificate Policy; pending approval of NAESB.
- Registry Technical Specification, Version 2.0.3, NERC.

1.2 Glossary

Any definitions not contained herein may be found in the NERC Glossary of Terms Used in Reliability Standards (April 1, 2005), the NAESB WEQ Glossary, or FERC Glossary.

Application Programming Interface (API) – A language and message format used by an application program to communicate with the operating system or some other control program such as a database management system (DBMS) or communications protocol.

Application Service Provider (ASP) – An ASP is a business that provides computer-based services to customers over a network. The most limited sense of this business is that of providing access to a particular application program (such as medical billing) using a standard protocol such as HTTP.

Balancing Authority (BA) – The responsible entity that integrates resource plans ahead of time, maintains load-interchange-generation balance within a Balancing Authority Area, and supports Interconnection frequency in real time.

Certification Authority (CA) – The organization that issues and manages certificates.

Certificate issuer – The Certification Authority

Certificate OID – Each certificate policy is uniquely represented by an "object identifier" (OID) which is a numeric string that is contained in a field of each certificate that is issued according to a given certificate policy. In order to ensure interoperability and uniqueness of each OID, these are registered with recognized international bodies according to a structure defined in X.208 from the International Telecommunications Union (ITU) (the structure can be examined at <http://www.alvestrand.no/objectid/top.html>).

Client certificate – X.509 Digital Certificate received (by a "client") from a Certification Authority.

Digital certificate – The digital equivalent of an ID card used in conjunction with a public key encryption system. Also called "digital IDs," digital certificates are issued by a trusted third party known as a "certification authority" (CA) such as VeriSign (www.verisign.com) and Thawte (www.thawte.com). The CA verifies that a public key belongs to a specific company or individual (the "subject"), and the validation process it goes through to determine if the subject is who it claims to be depends on the level of certification and the CA itself.

Data Universal Numbering System®(DUNS) – The **Data Universal Numbering System®**, abbreviated as **D-U-N-S®**, is a system developed and regulated by Dun & Bradstreet (D&B) which assigns a unique numeric identifier to a single business entity. This numeric identifier is commonly referred to as a D-U-N-S number.

Electric Reliability Organization – Responsible organization authorized under the Federal Power Act to develop and enforce Reliability Standards that provide for an adequate level of reliability of the Bulk-Power System.

Entity affiliate – An organization that is associated with another organization as a subordinate, subsidiary, or member.

Entity predecessor – The organization that preceded the current organization. This typically follows a reorganization, merger, acquisition, or divestiture.

Extensible Markup Language (XML) – A metalanguage written in SGML that allows one to design a markup language, used to allow for the easy interchange of documents on the World Wide Web.

Generation Providing Entity (GPE) – Merchant selling energy from owned, affiliated, or contractually bound generation.

Global attribute – Industry defined attributes such as TS_CLASS FIRM.

Independent market monitor – An organization that is not affiliated with any electric industry Market Participant, Market Operator, or Transmission Service Provider that is responsible for monitoring market activities.

Load-Serving Entity (LSE) – Secures energy and transmission service (and related Interconnected Operations Services) to serve the electrical demand and energy requirements of its end-use customers.

Local attribute – An attribute defined by the TSP such as SERVICE_INCREMENT SEASONAL.

Market Operator(MO) – Entities registered as market operators and serving as either source or sink for a TRANSACTION may exercise such functions in order to indicate correct flow based on market clearing.

PKI certification authority (PKICA) – In cryptography, a certificate authority or certification authority (CA) is an entity which issues digital certificates for use by other parties. It is an example of a trusted third party. CA's are characteristic of many public key infrastructure (PKI) schemes.

Point Of Delivery (POD) – A location that the Transmission Service Provider specifies on its transmission system where an Interchange Transaction leaves or a Load-Serving Entity receives its energy.

Point Of A Receipt (POR) – A location that the Transmission Service Provider specifies on its transmission system where an Interchange Transaction enters or a Generator delivers its output.

Policy Authority – The entity that has ultimate responsibility for approving the Certificate Policy used to govern the issuance, management and usage of a specified set of digital certificates

Reliability Coordinator(RC) – The entity that is the highest level of authority who is responsible for the reliable operation of the Bulk Electric System, has the Wide Area view of the Bulk Electric System, and has the operating tools, processes and procedures, including the authority to prevent or mitigate emergency operating situations in both next-day analysis and real-time operations. The Reliability Coordinator has the purview that is broad enough to enable the calculation of Interconnection Reliability Operating Limits, which may be based on the operating parameters of transmission systems beyond any Transmission Operator's vision.

Root CA identifier – Unique OID of the Root CA.

Root CA Public key – The public key of the Root Certificate Authority X.509 digital certificate that is provided to the Root CA's subordinate Certificate Authorities.

Root Certificate – In cryptography and computer security, a **Root Certificate** is an unsigned public key certificate, or a self-signed certificate, and is part of a public key infrastructure scheme. The most common commercial variety is based on the ISO X.509 standard. Normally an X.509 certificate includes a digital signature from a certification authority (CA) which vouches for correctness of the data contained in a certificate.

Scheduling Entity (SE) – An entity responsible for approving and implementing Interchange Schedules.

Transmission Operator (TO) – The entity responsible for the reliability of its "local" transmission system, and that operates or directs the operations of the transmission facilities.

Transmission Service Provider (TSP) – The entity that administers the transmission tariff and provides Transmission Service to Transmission Customers under applicable transmission service agreements.

Unaffiliated entity – Any of two or more organizations that are not associated with each other as a subordinate, subsidiary, or member.

Uniform Resource Locator (URL) – The address that defines the route to a file on an Internet server (Web server, FTP server, mail server, etc.). URLs are typed into a Web browser to access Web pages and files, and URLs are embedded within the pages themselves as hypertext links.

2 Registry Processes and Procedures

2.1 General Concepts

Due to the industry's heavy reliance on the existing TSIN Registry 1.7 in the e-tag application, the existing TSIN will need to continue to be populated with data changes in parallel with the new EIR for a period of 6 months after EIR implementation. Every Registry entry must also support tracking of the following key information:

- Creation Date – date/time the entry was first inserted into the Registry
- Activation Date – date/time the entry becomes active or in use
- Deactivation Date – date/time the entry is no longer to be used
- Last Update – date/time the registry was last updated
- Modified By – identifying information for the person or software application that created/modified the Registry entry

The registry design must also consider providing a general mechanism to audit Registry changes and reconstruct the Registry at a given point in time. Consideration should be given to a uniform database table update process whereby the record to be updated is marked as 'deactivated' and the updated data inserted as a new record with a corresponding 'activation' date/time.

2.2 Registry Administrator Procedures

2.2.1 Administrator Base Data

Certain base data information will need to be established and maintained by the registry administrator. Such information might include:

- Entity Identifier Types — DUNS, etc.
- Entity Role Types — BA, LSE, ASP, etc.
- Client Role Types — Entity Admin, Registry Admin, etc.
- Contact Types — Administrative, 24-Hour, Technical Support, etc.
- Applications — OASIS, e-tag, etc.
- Application Service (Server) Types — OASIS, Tag Agent, etc.
- Application Attributes — TS_CLASS, SECURITY_TYPE, etc.
- Interconnections — Eastern, Western, ERCOT
- Regions — MAAC, WECC, etc.
- Service Point Role Types — Source, POD, etc.

Additions, updates, and deletions (deactivation) of records within these tables will be restricted to the registry administrator only at the direction of an authorized entity (NAESB, NERC, DOE, etc). The user interface will allow the registry administrator to view, add, and modify records in these tables as necessary. General access to these tables by all other users will be restricted to read only access. Addition of new information in these tables may be initiated by industry participants through an off-line administrative procedure with appropriate "checks and balances" as established by the registry administrator.

Until a PKI policy authority is identified, the registry administrator, under the direction of the NAESB Certificate Policy, will assume sole responsibility for maintaining the content of the following Cyber-Security related base data:

- Certificate Root – Authorized Certification Authority (CA) Root Certificate
- Certificate Policy – Authorized CA OID(s) for certificates issued
- Certificate Issuer – Distinguished name of Authorized CA Issuing Authority(ies)

2.2.2 Full Registry Publication

The registry administrator is responsible for the periodic publication of the full Registry and potentially selected subsets of that registry. This could conceivably be an automated process. The publication of the registry requires taking a snapshot of the Registry at the time indicated in the Registry Version and Publication Date field. The Registry will then be made available for download in the following formats:

- XML via defined web services using SOAP encapsulation and XML schema(s)

The current publication frequency is:

- Registry published daily at midnight.
- Published Registry's activation date set for midnight twenty-four hours after publication.

The new Registry may be published more or less frequently than the current TSIN Registry. This publication schedule may change in the future dependent on how frequently Registry data is modified.

The Registry may be cleaned of all spurious data corrections made between publications due to mistakes, typos, etc., made during the registration process. The registry administrator may archive all records whose creation date AND deactivation date is greater than the last publication date but less than the publication date (i.e., records that never became active in the Registry).

Rather than periodic publication of the Registry on a fixed schedule, the registry administrator may elect to only publish a new Registry when information has changed since it was last published. The ability for any registered entity/entity code to subscribe for notification of the availability of a new Registry must be provided. This notification must include support for unsolicited XML (SOAP Method) documents sent to the entity who registered for notification indicating that the EIR has been modified and a new one is available for download.

It must be possible for an entity to request the “changes since <date>” for the EIR. This would include any updates or additions. (Updates include any changes to deactivation date).

2.3 Entity — Initial Registration

The following information must be collected as part of the initial registration process for a new entity:

- User — information regarding the individual submitting the initial entity registration; this information will populate an initial client associated with the entity and assigned the role of "Entity Administrator" (See Client – Initial Registration);
- Entity — information including official/legal entity name, business address, etc.;
- Entity Code — one or more short acronyms to be associated with the entity with one or more entity role(s) can be assigned to each entity code;
- Entity Identifier — one or more industry recognized legal entity identifiers (e.g., DUNS) if any entity code assigned the role of TSP (transmission service provider), or TC (transmission customer). Additional validations/requirements may depend on other roles assigned to the entity ;(Determined at a later date.)
- Entity Affiliates — zero or more identifications of any active, registered entities to which the new entity is affiliated;
- Entity Predecessor — zero or more associations to existing registered entities, which gave rise to formation of the new entity (e.g., merger, acquisition, divestiture, etc.).

The following subsections describe specific requirements relative to the validation and processing of the entity's initial registration.

2.3.1 Entity

The entity's official/legal name must be verified for uniqueness. Desired "activation date" will default to the Registry Version Activation Date unless an alternative date in the future is supplied by the user (activation date in the past must be flagged as an error).

The activation date will apply to all entity related information records inserted into the Registry during initial registration.

Prior to insertion into the database, a unique master registry identifier must be assigned to the entity being registered. This identifier should be used as the reference identifier in all data registered by that entity. Changes in information such as entity address, etc., should not constitute registration of a new entity. Mechanisms must be supported that allow the transfer of all existing registered information associated with one entity to another through a user request.

2.3.2 Entity Identifier

Entity identifier information submitted must supply both the value for the identifier (e.g., DUNS number) along with the "type" of identifier represented by that value (e.g., "DUNS"). Entity identifier information submitted must be verified for uniqueness. If the entity has attempted to register an entity code with entity role of TSP or TC, the registration information must contain a DUNS number as at least one of their entity identifiers to comply with OASIS registration requirements.

2.3.3 Entity Affiliate

Entity affiliate information, if any, must verify that the affiliated entity is still a valid/active entity. Entities and affiliates must mutually approve the establishment of the relationship.

2.3.4 Entity Predecessor

Entity predecessor information, if any, must verify the validity of the preceding entity registration(s). This information would most likely be presented and submitted from the UI when the user seeks to change an existing registered entity to reflect merger, divestiture, etc. If an existing entity is being replaced, both the predecessor and the successor must agree to this relationship. Predecessor entities do not necessarily have to be active to be associated with a new entity registration.

Along with identifying any predecessor entity, the reason for the change in entity registration must be identified from a set of enumerated reasons including:

- Merger
- Acquisition
- Divestiture
- Reorganization
- Other

2.3.5 Entity Code and Entity Role

At least one entity code must be provided and associated with at least one entity role. The entity role of "unaffiliated entity" (or any of its specific associated roles) must be the only entity role selected and be associated with only a single entity code, i.e., unaffiliated entities are limited to one registered entity code and only the role of "unaffiliated entity".

There is no restriction on a given entity registering separate entity codes as both an "O/SE" and "TC/PSE". If not explicitly supplied, the O/SE and/or TC/PSE role will be assumed by default for the first entity code registered that has one or more of the specific O/SE or TC/PSE roles defined as shown below. In addition, the role of PSE will be assumed if either GPE or LSE is selected.

- Current O/SE (Operations) associated entity roles
 - RC — Reliability Coordinator (formerly Security Coordinator)
 - BA — Balancing Authority (formerly Control Area)
 - MO — Market Operator
 - TO — Transmission Operator
 - TSP — Transmission Service Provider
 - IA — Interchange Authority
 - GO - Generator Operator
- Current TC/PSE (Merchant) associated entity roles
 - TC — Transmission Customer (i.e., OASIS customer code)
 - PSE — Purchasing Selling Entity (i.e., Tagging desk code)
 - LSE — Load Serving Entity (implies PSE)
 - GPE — Generation Providing Entity (implies PSE)
 - Generator Owner
- Additional Entity Roles
 - Registry Administrator
 - ASP — Application Service Provider
 - PKICA — PKI Certification Authority
 - PKIPA — PKI Policy Authority
 - ERO — Electric Reliability Organization
 - RRO — Regional Reliability Organization
 - IMM — Independent Market Monitor
 - [the following are the remaining FM roles that are not mentioned above – are any needed?]
 - Compliance Monitor
 - Distribution Provider
 - Planning Coordinator
 - Resource Planner
 - Standards Developer
 - Transmission Owner
 - Transmission Planner
 - Compliance Monitor
 - Distribution Provider
 - Generator Operator
 - Generator Owner
 - Interchange Authority
 - Planning Coordinator
 - Resource Planner
 - Standards Developer
 - Transmission Owner
 - Reliability Coordinator

Certain restrictions may be required that would make some combinations of entity roles mutually exclusive, i.e., registration of an entity code as both a TSP and PSE may be invalid. All submitted entity codes must be verified for uniqueness. Prior to insertion into the Registry, a unique master registry identifier may be assigned to each of the Entity Codes being registered.

The capability to designate an entity with registration approval rights over the registered entity code/entity role must be provided unless the entity code is registered with any of the entity role of "other". These entities may represent regulatory agencies, universities, consulting groups, etc., that do not have an active merchant or operations role in the electric industry. These entity registrations may be required to designate a Sponsoring Entity (i.e., one with merchant or operations role) that will serve as the registrant's approval entity. Alternatively, the registry administrator may take on this approval role.

Following submission of the registration of an entity code table, as a triggered event or controlled by a batch script procedure, e-mail notifications must be generated to the administrative contact for the entity identified as having approval rights over the entity code registration. Similarly, once an entity code registration has been approved, an e-mail notification must be sent to that entity's administrative contact.

2.3.6 Entity Contact and Entity Code Contact

Registration of contact information must be provided at both the entity level and at the entity code/role level. User information identifying the registrant will be used to create an initial client record associated with the new entity registration. By default, entity contact and entity code contact information create a mapping of this client to the "Administrative" contact for the entity as a whole and for each supplied entity code. The administrative contact will then be responsible for adding additional client records in association with the various contacts, which may be associated with the entity and/or entity code(s) after the initial registration (e.g., 24 hour, Technical Support, etc.).

The following enumerated contact types must be supported:

- Administrative
- Technical
- 24 hour
- Operations — Real-time
- Operations — Day-ahead/pre-schedule
- Customer relations

Not all contact types are required or applicable to each of the various entity roles. Certain contact types may be required by industry standards and practices in association with specific entity roles, and such requirements must be modeled in the Registry.

2.4 Entity — Updates

2.4.1 Entity

Authorized "Entity Administrators" may update information associated with their entity registration. These updates would be to legal business entity name and/or location. Update operation is effected by deactivating the current record and inserting a new record with the updated information activated coincident with the deactivation of the original record. Entity relationships within the various registered objects must key to unique identifiers assigned to the entity and maintained across updates to that entity's registered information and not to specific table record identifiers. This ensures that the Registry contains both current and all historic records associated with the entity. Similar constructs must be applied to all registered objects.

2.4.2 Entity Identifier

New entity identifiers may be registered by authorized entity administrators. Entity identifiers may be updated to reflect corrections or changes in the value of any registered identifier by first deactivating the current registered information and then inserting the updated information into the entity identifier table.

2.4.3 Entity Affiliate

New entity affiliate associations may be inserted by authorized entity administrators. New information will be verified in the same manner as performed for the initial entity registration. Termination of entity affiliate relationship records is accomplished by updating the deactivation date field to reflect when the affiliation was terminated, and may occur at any time without restriction. There is no information that may be updated with respect to entity affiliation.

2.4.4 Entity Predecessor

New entity predecessor associations may be inserted by authorized entity administrators. New information will be verified in the same manner as performed for the initial entity registration. Entity predecessor information is restricted to being registered by the succeeding entity only. Modification of existing information will be accomplished by deactivating the current information and inserting the updated/corrected information.

Deletion of entity predecessor records is accomplished by updating the deactivation date field to reflect when the association between the entities was terminated; this is assumed to mainly be the result of correcting an error on registration.

2.4.5 Entity Code and Entity Role

Updates to entity code information are restricted to the addition or deactivation of entity role information. The entity code itself may only be altered if it has not been approved, and is subject to all uniqueness checks as described for initial entity registration.

New entity code and entity role associations may be submitted for an existing entity. Entity code and entity role information will be validated to insure it passes all validations as described for a new entity registration.

Entity code and entity role associations must support the ability to track approval of that code/role by an authorized third party, i.e., NERC would have approval of entities registering with the balancing authority role as part of their certification program.

See discussion below for restriction on deactivation of entity code or entity role information.

2.4.6 Entity Contact and Entity Code Contact

Contact information associating entity or entity code/role with a client may be added, updated or deactivated. Updating an entity contact or entity code/role contact record to reference a new client must result in deactivation of the existing record and insertion of a new record. Deactivation of an entity contact or entity code contact record may occur at any time without restriction. Insertion of new entity contact or entity code contact records requires only that the associate client record is currently active.

2.4.7 Entity Code Service

Certain entity codes must be mapped to appropriate application services (servers), e.g., PSEs mapped to TagAgent Server, TSP mapped to OASIS Server, etc. The entity administrator may insert, update or deactivate entity code service registrations at anytime without restriction. Update of entity code service associations is accomplished by deactivating the current record and inserting a new entity code service association. Note that the actual service registrations are performed by the entity providing that service.

2.5 Entity – Deactivation

The following subsections describe specific constraints or requirements for deactivation of Entity and related Registry information.

2.5.1 Entity

Deactivation of an entity requires the simultaneous deactivation of all associated records containing the following information/associations:

- Entity affiliate associations
- Entity codes
- Entity contacts
- Entity identifiers
- Clients

Each of these may have further constraints or requirements for deactivation of associated records.

Presence of active records associated with the entity to be deactivated for the following information will block deactivation of the entity. The user/administrator must deactivate these records prior to attempting to deactivate the entity.

- Services (for ASP entities)
- Certificate root (for PKICA entities)
- Certificate issuer (for PKICA entities)

2.5.2 Deactivation of an Entity Code

Entity code requires the simultaneous deactivation of all the following associated registry information:

- Entity roles
- Entity code contacts
- Entity code services
- Entity code service points (for TSP, GPE and LSE entities)
- Entity code paths (for TSP entities)
- All topology related mappings to entity code

Each of these may have further constraints or requirements for deactivation of associated records.

2.5.3 Entity Role

Deactivation of an entity role associated with a given entity code is subject to the following constraints:

- If the entity role to be deactivated is an entity role type of RC, there must be no active reliability coordinator area registrations associated with the entity code
- If the entity role to be deactivated is an entity role type of BA or CA, there must be no active balancing area registrations associated with the entity code
- If the entity role to be deactivated is an entity role type of MO, there must be no active market area registrations associated with the entity code
- If the entity role to be deactivated is an entity role type of TSP, there must be no active POR/POD, path or path adjacency registrations associated with the entity code
- If the entity role to be deactivated is an entity role type of PSE, there should be no active source/sink associated with the entity code
- If the entity role to be deactivated is entity role type of ASP, there must be no active application service registrations associated with the entity code

Any such active registrations referencing an entity role to be deactivated must first be deactivated or assigned to another entity code prior to deactivation of the entity role record.

2.6 Client — Initial Registration

Submission of client information is subject to uniqueness and validation checks. Initial registration of an entity always must result in insertion of an active client record associated with the role of entity administrator. At a minimum, client registration information will be used for Registry Access Control.

Submission of client information may be performed by clients associated with active, approved, registered entities where the client has been assigned the role of user administrator. All information is subject to uniqueness and validation checks. Information required for registration of a client includes designation of name and contact information. Additional information may be submitted to define associated:

- Client certificates (or more generic client credentials)
- Client roles

Contact information associated with entities, entity codes, or services may be modeled as registered clients and mapped to entity, entity code, or service and contact type information, or maintained separately from the client registration.

Prior to insertion into the database, a unique master registry identifier must be assigned to the client being registered.

2.7 Client — Updates

2.7.1 Client Role

Association/disassociation of roles to an active client may occur at anytime without restriction. Now, the only roles envisioned are those required to implement Registry Access Control, including but not limited to:

- Entity administrator
- User administrator

2.8 Client — Deactivation

Deactivation of a client record is subject to the following constraints and/or requirements:

- All active client role records associated with the client to be deactivated must be deactivated simultaneously

If client registrations are used to identify contacts, the following additional constraints are required:

- All active entity contact registrations associated with the client to be deactivated must be deactivated simultaneously
- All active entity code contact records associated with the client to be deactivated must be deactivated simultaneously
- All active service contact records associated with the client to be deactivated must be deactivated simultaneously

2.9 Application — Initial Registration

The only application related registration information accepted from external entities is registered Application Services and Application Attribute Values. All other application related registry information is maintained by the registry administrator. This includes the identification of the registered applications and associated application service types (e.g., e-tag Tag Agent Service).

2.9.1 Application Services

Submission of service registration information may be performed by clients of an active, approved registered entity with at least one entity code assigned the role of ASP. All information is subject to uniqueness and validation checks.

Information required for registration of a service includes designation of the service type, URI, and a description. Additional information may be submitted to identify one or more service contact information (e.g., technical support, etc.).

Prior to insertion into the database, a unique master registry identifier must be assigned to the service being registered.

2.9.2 Application Attribute Value

Submission of application attribute value information includes the name of the application as defined in the application base data and the particular data element whose value is being registered as defined in the application attribute name base data.

Currently, submissions of application attribute values are only allowed for the OASIS application and may only be submitted by clients whose parent entity contains an active, approved entity code designated with the entity role of TSP.

The application attribute base data defines whether the application attribute value is subject to approval by another entity and which entity is granted approval rights. If approval is not required, the registry administrator will be the approval entity and the registered value will be automatically approved on insertion into the database.

If approval is required, an e-mail notification must be sent to the administrative contact(s) associated with the approval entity. Once that entity updates the record to indicate approval (or disapproval), an e-mail notification will be sent to the registering entity's administrative contact.

Attributes that require approval must be considered 'global' attributes that any TSP may reference or use (e.g. TS_CLASS). Attributes not requiring approval must be considered 'local' and apply only to the entity that registered that attribute value.

2.10 Application — Updates

2.10.1 Application Service

Authorized ASP entity administrators may update information associated with their service registrations. These updates would be to service URL or description. Update operation is effected by deactivating the current registration and inserting a new record with the updated information.

2.10.2 Entity Code Service

Addition, update or deactivation of registered entity code service associations are controlled by the entity owning that entity code. Activation of new records or deactivation of existing records may occur at any time without restriction. Update of existing records, i.e., changing service association, must be accomplished by deactivating the current record and inserting a new record with the updated information.

2.10.3 Application Service Contact

Contact information associated with a service may be added, updated or deactivated. Updating a service contact registration will result in deactivation of the existing record and insertion of a new record. Deactivation of a registered service contact may occur at any time without restriction.

2.10.4 Application Attribute Values

Once registered, OASIS application attribute value registrations may only be deactivated by the entity that approved the registration. The registering entity may update the value and associated description fields prior to approval of the registration only, i.e., for correction of errors or on the advice of the approval entity. Once approved, no updates will be allowed except for deactivation by the approval entity. Transmission and ancillary service attributes are examples of OASIS attributes, which require oversight and approval. Once these attributes are registered by one TSP, they must be re-useable by any other TSP. This would prevent unnecessary duplication of effort and eliminate a possible source of inconsistencies.

Certain OASIS application attributes are private to the TSP (local), such as REDUCTION_TYPE, SYSTEM_ATTRIBUTE, etc. No Registry administrator or designee approval is required for these attributes, and they may be updated by the entity that registered the attribute.

2.11 Application — Deactivation

2.11.1 Application Service

Deactivation of a registered application service is subject to the following constraints and requirements:

- All application service contact records associated with the service to be deactivated must be deactivated simultaneously
- Any active entity code service associations to the service to be deactivated must block deactivation of the service

The Registry may support the registration of application services, which are ‘voluntary’ in nature. These services may be registered, updated and deactivated at will by the registering entity without affecting operations of any other services.

2.11.2 Application Attribute Value

Registered application attribute value records may be deactivated as described in the update process at any time. Global attributes must be deactivated by the entity that approved the registration; local attribute values may be deactivated by the registering entity.

2.12 Topology — Initial Registration

The following subsections outline the basic processes required for initial registration of topology information.

2.12.1 Interconnection

The registry administrator will assume responsibility for establishing the base definitions for the electrical system synchronous interconnections.

2.12.2 Regional Reliability Organization

The registry administrator will assume responsibility for establishing the base definitions for the Regional Reliability Organizations at the direction of NERC.

2.12.3 Reliability Coordinator Area

A registered and approved (by NERC) reliability coordinator must have the ability to register a reliability coordinator area. Key attributes are:

- Area name
- Association to the reliability coordinator
- Association to one or more Balancing Areas

The entity that approved the registration of the reliability coordinator must also have the rights to define the reliability coordinator area on the RCs behalf.

The registry administrator at the direction of NERC will establish the initial set of Reliability Coordinators and areas.

2.12.4 Market Area

A registered and approved market operator must have the ability to register a market area. Key attributes are:

- Area name
- Association to the market operator
- Association to one or more balancing areas

The entity that approved the registration of the market operator must also have the rights to define the market area on the MOs behalf.

A validation rule must be enforced that a given balancing area may not appear in multiple market areas.

2.12.5 Balancing Area

A registered and approved (by NERC) balancing authority must have the ability to register a balancing area. Key attributes are:

- Area name
- Association to the balancing authority
- Association to one or more control zones
- Association to the market area (if any)
- Association to one reliability areas
- Association to one or more Regional Reliability Organization (optional)

The entity that approved the registration of the balancing authority must also have the rights to define the balancing area on the BAs behalf.

The registry administrator at the direction of NERC will most likely establish the initial set of balancing authorities and areas.

2.12.6 Control Zone/Local Balancing Authority Area

Control zones are subsets of balancing areas that allow reliability tools, such as IDC, to have increased granularity over transaction impacts than for the balancing area as a whole. Control zone definitions require coordination between NERC, network modeling groups, reliability tool developers, etc. A registered and approved (by NERC) balancing authority must have the ability to register a control zone. By default, each balancing area must have one control zone registered whose name is identical to the parent balancing area. Key attributes are:

- Zone name
- Association to the balancing area
- Association to one or more service points (sources/sinks)

The entity that approved the registration of the balancing authority must also have the rights to define the control zone on the BAs behalf.

The registry administrator, at the direction of NERC, will most likely establish the initial set of balancing areas and control zones.

2.12.7 Service Points

NAESB Business Practice Standards require registration of PORs and PODs by TSPs. Key attributes include:

- Point name
- Role (POR and/or POD)
- Association to the transmission service provider

No approval should be required for an entity code with role of TSP to register PORs and PODs.

Registration of sources and sinks is currently handled by purchasing selling entities with approval granted by the balancing authority. Provisions must be made to allow sources and sinks to be registered directly by the balancing authority or market operator (for BAs within their market) in coordination with the PSE(s). Key attributes include:

- Point name
- Role (source and/or sink)
- Association to one or more purchasing selling entity
- Association to the control zone

PSEs associated with a source point must have the additional entity role of GPE; PSEs associated with a sink point must have the additional entity role of LSE.

No approval should be required for an entity code with role of TSP to register PORs and PODs.

2.12.8 Paths

To support tag path validation, TSPs will be required to register all valid commercial transmission service paths and their associated upstream and downstream adjacencies. Key elements of a registered path are:

- Path name
- POR
- POD
- Association to the transmission service provider
- Association to the scheduling entity

Paths are uniquely identified by the combination of all five attributes. Due to the large volume of data this represents for each TSP, the UI forms for registering paths must make efficient use of wildcards.

The OASIS S&CP identifies the following sub-attributes of a standardized path name:

- Region code
- Provider code
- Path code
- Optional code
- Spare code

2.12.9 Adjacencies

Path and source/sink adjacency information must be registered by the TSP. Path adjacency information would indicate:

- Association to upstream path
- Association to downstream path

Source adjacency information would indicate:

- Association to source service point

- Association to downstream path

Sink adjacency information would indicate:

- Association to upstream path
- Association to sink service point

2.12.10 Balancing Authority Adjacencies

Balancing Authorities are adjacent at specific points of interconnection (POI). The EIR must contain BA Adjacency information by POI. Impacted parties would approve this data.

2.13 Topology — Updates

2.13.1 Interconnection

The registry administrator will assume responsibility for performing any updates on the definitions for the electrical system synchronous Interconnections.

2.13.2 Regional Reliability Organization

The registry administrator will assume responsibility for performing any updates on the definitions for the Regional Reliability Organizations at the direction of NERC.

2.13.3 Reliability Coordinator Area

The reliability coordinators or the entity that approved the RCs registration must be able to update the registration of the reliability coordinator area. This would be limited to changing the area name, the associations of balancing areas to the reliability coordinator area, and assignment of responsibility from the current owning reliability coordinator to another approved RC.

2.13.4 Market Area

The market operator must be able to update the registration of the market area. This would be limited to changing the area name, the associations of balancing areas to the market area, and assignment of responsibility from the current owning market operator to another approved MO.

2.13.5 Balancing Area

The balancing authorities or the entity that approved the BAs registration must be able to update the registration of the balancing area. This would be limited to changing the area name, the associations of control zone(s) to the balancing area, and assignment of responsibility from the current owning balancing authority to another approved BA.

2.13.6 Control Zone

The balancing authorities or the entity that approved the BAs registration must be able to update the registration of the control zone. This would be limited to updating the control zone's name, or adding/removing source sink points.

2.13.7 Service Points

TSPs must have the ability to update their POR/POD service point registrations.

BAs and or MOs whose balancing areas are under the control of the MO must have the ability to approve and/or update their source/sink service point registrations.

2.13.8 Paths

TSPs must have the ability to update their path registrations.

2.13.9 Adjacencies

TSPs must have the ability to update the path adjacencies associated with any of the TSPs defined paths. Adjacency registration should be coordinated by the adjacent entities and responsibility delegated to one or the other parties to avoid conflicts.

TSPs must also have the ability to update the path to source/sink adjacencies in coordination with the source/sink balancing authority.

2.14 Topology — Deactivation

2.14.1 Interconnection

The registry administrator will assume responsibility for performing any deactivations of the definitions for the electrical system synchronous Interconnections.

2.14.2 Regional Reliability Organization

The registry administrator will assume responsibility for performing any deactivations of the definitions for the Regional Reliability Organizations at the direction of NERC.

Deactivation of a Regional Reliability Organization will simultaneously deactivate all associations of the RRO to balancing authorities (if any).

2.14.3 Reliability Area

The Reliability Coordinator or the entity approving the RC must have the ability to deactivate a reliability area.

Deactivation of a reliability area will simultaneously deactivate all associations of the RC to balancing authorities (if any).

2.14.4 Market Area

The market operator must have the ability to deactivate a market area.

Deactivation of a market area will simultaneously deactivate all associations of the MO to balancing authorities (if any).

2.14.5 Balancing Area

The balancing authorities or the entity that approved the BAs registration must be able to deactivate the registration of the balancing area. Deactivation of the balancing area must simultaneously deactivate the area's associations to registered RROs, reliability areas, and/or market areas. Deactivation must be blocked if there are any active control zones associated with the balancing area.

2.14.6 Control Zone

The balancing authorities or the entity that approved the BAs registration must be able to deactivate the registration of the control zone. Deactivation of the control zone must simultaneously deactivate the zone's associations to register the balancing area. Deactivation must be blocked if there are any active service points associated with the control zone.

2.14.7 Service Points

TSPs must be allowed to deactivate service points. Deactivation of a POR/POD must be blocked if the service point is associated with an active path. . Deactivation of a source/sink must simultaneously deactivate that point's association with the control zone, and any of the point's path adjacencies.

2.14.8 Paths

TSPs must be allowed to deactivate paths. Deactivation of a path must simultaneously deactivate any path adjacencies referencing that path.

2.14.9 Adjacencies

TSPs must be allowed to deactivate path adjacencies at will.

2.14.10 Balancing Authority Adjacencies

BAs must be allowed to deactivate BA adjacencies at will. Impacted parties would approve this data.

3 User and Registry Interaction

3.1 Browser Interface

The registry shall implement a web browser user interface, allowing users to access and manually register and enter data into the Registry without requiring any special software installations.

3.2 Encryption

The vendor shall allow (or require) the user to use 128 bit SSL.

3.3 Data Access Rights

Users (including programmatic users via API) shall be allowed access to data based on their registered and approved data access rights. Registered users will be allowed only read access rights to data “belonging” to other entities (as described in section 2). Users may only modify, delete, or create data what “belongs” to them. NERC may initiate deletion of invalid data according to the procedures described in section 2.

3.4 Data Validation at Entry

The system shall validate data content and format on data entry wherever possible providing meaningful error messages to the user that will allow the user to determine how to correct the data entry error.

3.5 Data Validation after Entry

The accuracy and validity of registry entries MUST be verified by automated and/or manual processes prior to use by industry participants. Prior to populating the “production” or “active” Registry, updates to the Registry must be confirmed with the appropriate stakeholders. The vendor will work with NERC to determine the appropriate data validation procedures and practices and then optimize the efficiency of this validation.

3.6 Display Consistency

Display formats and function must be consistent across all displays. NERC staff will have final authority on determining if the vendor has met these requirements. If NERC believes that the display is deficient in some manner, then they will provide the vendor with a specific description of what the vendor must change in order to achieve compliance with this requirement.

3.7 Color to Meaning Assignment

If the registry imparts information by color, then this color should be used to mean the same thing on all displays. For example, if the color RED is used to show a data format problem, it must not also be used to highlight data in an “accepted” state.

3.8 Application Programming Interface

The registry will provide the ability to upload data to and download data from the Registry using XML files defined by a published XML schema. Standards consistent with e-tag and WECC’s EIDE system shall be used including, SOAP, SMXP, and GMT for time representation. Any XML schemas used in the API must be provided to NAESB for public distribution. The XML API shall use 128 bit SSL.

The registry shall also provide registry data in a CSV file format that can be downloaded using https. The SSL required for this download is 128 bit.

3.9 Filtering and Sorting

All user data displays must include filter and sort capability as appropriate.

Columns in displays shall all be able to be sorted in both ascending and descending order by any column (i.e. Source, Sink, POR, POD, etc.).

Displays shall all be able to be filtered based on the values in any meaningful column. Numeric columns shall be filterable based on both absolute and range values. Text columns must be filterable based on partial string matches and exact matches with negation. String filtering shall not be case sensitive. It shall be possible to enter up to 20 text strings for a single field that shall be logically “OR”d together.

Examples:

- PointID=6007,
- NERCID between 511 and 801,
- POR contains NYPD,
- PSE does not contain ENRN,
- POD = MALN OR CAPJ.

4 Hardware and Software Standards

4.1 No Single Point of Failure

The Registry shall be designed so that there are no single points of failure that would result in the Registry being unavailable for greater than one hour. For example, the system could be fully redundant with hot standby/failover functions. This availability requirement extends to the Internet connections, which could also be redundant and through two, independent Internet service providers. All failover, including network failover, must be automatic.

The Registry shall be designed so that there is no single point of failure that would result in the loss of Registry data for greater than one hour. For example, disks could be mirrored and configured in an array with hot spares.

Internet and Registry system redundancy could be satisfied by replication between diverse sites.

4.2 Data Backup and Storage

The Registry data must be backed up at least daily, with data being moved offsite at least weekly. The data must be under the protection of access controls such that no single employee has access to the offsite data storage. EIR vendor management approval must be required to access the offsite data. There are no historical data storage requirements other than what is needed for disaster recovery.

4.3 Disaster Recovery

The Registry system must be capable of being restored entirely assuming the destruction of the entire registry system. Documentation and procedures must be available that provide for the complete re-installation/re-construction of the Registry hardware, software, and data. The EIR vendor must demonstrate that the documentation and procedures are accurate by having NAESB staff or their designees perform or witness the building of the system from scratch.

4.4 Structured and Coordinated Upgrades

Upgrades/modifications to any component of the Registry that would affect the users must be coordinated with NERC staff and the Registry user community. Upgrades that would change an API must be implemented following a structured implementation plan. This plan must include reasonable periods of at least three weeks for the Registry users to have access to the revised XML schema or whatever else is necessary for the Registry users to implement and test changes in their automated systems. The three-week period must be followed by two weeks of testing with a near-continuous test Registry available for the users to test against. This system must be populated with either test, or actual data.

4.5 Sizing and Performance

The system must be sized and designed so that it provides robust performance for both current and expected usage.

- CPU utilization, averaged over one minute, must be below 20% 95% of the time.
- Disk space utilization at full expected size of the Registry must be 50% or less.
- RAM must be sized sufficiently on all systems (including database servers) so that disk swapping does not exceed 20 pages per minute.

4.5.1 Moderate Activity State

Display call up times and API retrieval times shall be measured when the system is in a *moderate activity state*, carrying out normal functions, while 50 users simultaneously use the interface for normal activities and the API is being used by 50 systems to retrieve data.

Under this loading state:

- User displays call up and display change must not exceed five seconds (excluding internet latency and browser start up times).
- Response to SOAP method calls shall be within five seconds.

4.5.2 Heavy Activity State

Display call up times and API retrieval times shall be measured when the system is in a *heavy activity state*, carrying out *peak* normal functions, while 50 users simultaneously use the interface for normal activities and the API is being used by 150 systems to retrieve data.

Under this loading state:

- User displays call up and display change must not exceed ten seconds (excluding internet latency and browser start up times).
- Response to SOAP method calls shall be within ten seconds.

4.6 Availability

The Registry must be available 99.5% of the time measured over any rolling 30-day period.

4.7 Auditability

The database and registry systems must be auditable. While maintaining records with start/stop dates partially accomplishes this goal, other values need to be tracked for audit purposes. These at a minimum include the user requesting data modifications (inserts, updates, deletes), timestamp, and similar information for the approval/authorization process (NERC staff member/timestamp for example). XML input documents must also be retained for a configurable number of days.

4.8 Data Integrity

Database and data integrity must be guaranteed. The registry can choose from a number of different tools and procedures to ensure this.

4.9 NERC Cyber Security

The Registry and related components are critical to both operational and commercial sectors of the power industry. As such, NERC classifies the entire system as a Critical Cyber Asset and requires that the registry and any subsequent entities maintaining the Registry comply with applicable NERC CIP standards.

5 Testing

5.1 Structured Test Document

The vendor shall provide a structured test document that tests all functional and performance requirements of the Registry. NERC staff and, at NAESB's option, NAESB members, may review the document and provide input and corrections which must be incorporated prior to the start of structured testing. The test document must contain numbered sections consistent with the system requirements document so that testers may easily reference required functionality and compare it to test results.

5.2 Problem Reporting

The vendor shall provide a structured method of reporting, classifying, and tracking problems.

5.2.1 Structured Problem Reporting

Each identified possible problem shall be assigned a unique number and assigned a classification.

5.2.2 Problem Classifications

Problems will be classified as:

- R — Required Functionality (In the System Requirements Document)
- E — Enhancement (Identified as necessary but not in the System Requirements Document)
- B — Bug (Software or Hardware Problem)
- D — Disputed (Agreement cannot be reached)

Problems will further be classified as:

- C — Critical (Required for system to be considered operational)
- H — High priority (Not required but very important)
- M — Medium priority
- L — Low priority

5.3 Factory Acceptance Testing

Factory Acceptance Testing (FAT) shall be conducted on-site. Certain client functions may be tested remotely at the client facilities.

The FAT will consist of both structured testing and unstructured testing. Structured testing will be conducted first.

Unstructured testing will include testing of any required functions in any order at any loading level.

FAT may be conducted several times. Passing FAT is defined as completion of structured and unstructured testing without finding any problems above those classified as low priority.

FAT testing will continue until the NAESB staffs or vendor staffs determine that system problems are so severe that no further testing should be done until the problems are corrected.

At completion of FAT testing, if FAT is not passed, the vendor shall correct all problems classified above low priority and another FAT shall be started. This will include re-testing of functions already tested since corrections of problems may cause problems elsewhere in the system.

The vendor will perform a minimal set of FAT and provide results of that testing to NAESB before scheduling on site FAT. (Hopefully minimizes travel to on-site location)

5.4 Factory Performance Testing

Factory Performance Testing (FPT) shall be conducted on-site. Certain client functions may be tested remotely at the client facilities.

The FPT will consist of confirmation that the system meets sizing and performance requirements. The vendor will be responsible for loading the system to both the medium and heavy activity state. NAESB staff will have ultimate approval and confirmation rights that these activity states are met for the duration of the appropriate performance tests.

Either the vendor or the NAESB staff may devise mutually agreeable timing tests (including the use of a stopwatch, performance monitors, or software timers).

5.5 Site Acceptance Testing

Site Acceptance Testing (SAT) shall be conducted at the Registry host facility (ies). Client functions will be tested remotely at the participating client facilities.

SAT is a repeat of FAT with the exception that passing SAT is defined as completion of structured and unstructured testing without finding *any* problems. SAT testing will be open to any NAESB member.

5.6 Site Performance Testing

Site Performance Testing (SPT) shall be conducted at the Registry host facility (ies). Certain client functions may be tested remotely at the client facilities.

SPT is a repeat of FPT.

SPT *may be* waived by NAESB at their discretion.

6 Documentation

The vendor will be responsible for providing hardware and software documentation. NAESB staff shall have approval rights over all documentation provided. The documentation requirements are not waived if the successful vendor provides the Registry service via an application service provider. For example, technical documentation, meeting the requirements described herein, will still be required to be provided to the vendor's own technical staff in this case.

NAESB must have the capability to modify and maintain the documentation described in this section or the vendor must maintain it. The intent is that the documentation be kept up to date as changes are made to the Registry system.

Frequently Asked Question (FAQ) documents must also be created and made available online. Provisions must be provided so that these may be maintained on an ongoing basis.

6.1 Technical Documentation

The vendor shall provide NAESB with technical documentation describing the hardware architecture and software architecture of the system. The intent of the technical documentation is to allow NAESB or their appointees to maintain the system. Since a number of methods are possible for describing the system, including UML, DFD's, etc, there will be no specific requirement in this document as to the form of this documentation. The only requirement is that the intent be met.

6.2 User Documentation

The vendor shall provide the Registry users with user documentation that describes how the client interface is used and all of its possible functions. NAESB staff will have approval rights over this documentation.

The documentation must be provided online at the Registry site. Documentation on user registration must be provided online at the NAESB Web site.

Documentation must include examples where appropriate.

6.3 Automated Interface Documentation

The vendor shall provide NAESB with API documentation that describes, in detail, how users may install and/or utilize the API to the Registry. Any related XML schemas shall be provided to the users so that they may implement their own XML processor independent of any specific vendor solution.

The documentation must be provided online at the Registry site.

Documentation must include examples where appropriate.

7 Training

The vendor will be responsible for providing training courses. NAESB staff has approval rights over course content and quality. The vendor must provide courses that meet NAESB approval. Training must be presented both in person and online via webex.

These classes may need to be presented in a variety of locations over a number of different days in order to provide access to all Registry users. NAESB staff will coordinate training class locations and dates with NAESB members and ensure that all NAESB members are provided with access to training.

7.1 Technical Training

The vendor shall provide technical training to NAESB staff or their appointees in order to assure that they have sufficient knowledge to maintain the system (depending on the final roles) and interact with it (for data confirmation, deletion procedures, etc.).

7.2 User Training

The vendor shall provide training to the Registry users so that at the end of the course, the users are proficient at using the client interface and understand all of its functions.

7.3 API Training

The vendor shall provide technical training to Registry users on the use of the API so that the users, at the end of the course, have a thorough understanding of the interface and how to use it.

7.4 Refresher and ongoing Training

The vendor will provide updated training for system upgrades and changes so that ongoing training may be conducted and available.

8 Post Implementation Requirements

The vendor will be responsible for providing a number of services after implementation of the Registry. All upgrades or modifications to software described in this section must be implemented following requirements outlined in previous sections 4.0, 5.0, 6.0 and 7.0 of this document.

8.1 Problem Reporting and Enhancement Requests

The vendor shall provide a mechanism for both NAESB staff and NAESB members to report and classify problems and enhancement requests. These will be assigned priority levels by NAESB members and staff as follows:

- C — Critical (Required for system to be considered operational)
- H — High priority (Not required but very important)
- M — Medium priority
- L — Low priority

They will also be assigned a classification as follows:

- E — Enhancement
- B — Bug (software or hardware problem)
- D — Disputed (Agreement cannot be reached)

The vendor will allocate resources to correct the identified problems consistent with the priority level assigned as follows:

- C = Immediate mitigation effort required and will be continuous until problem is resolved. Daily status updates from the vendor will be required.
- H = Mitigation efforts must start no later than the next working day and continue during normal working hours until complete. Daily status updates from the vendor will be required.
- M = Mitigation efforts must start within the next ten working days. Vendor will provide an estimate for completion acceptable to NAESB Staff. Staff and vendor will work together to prioritize “M” issues. Weekly status updates from the vendor will be required.
- L = Vendor will provide an estimate for completion acceptable to NAESB staff. Staff and vendor will work together to prioritize “L” issues. Weekly status updates from the vendor will be required.

8.2 System Upgrades

NAESB staff or the vendor, with agreement from NAESB staff, may initiate system hardware and/or software upgrades in order to remain current with external vendor support levels (such as the operating system, programming language, or database vendor) or improve performance or reliability.

Responsibilities for staff performing the upgrades need to be established with the vendor in the Registry contract or according to sections 4.0, 5.0, 6.0 and 7.0 of this document as a minimum.

8.3 System Patches

NAESB staff and the vendor must establish a method by which critical operating system patches, database system patches, and any other applicable patches required for ensuring system security, implementing bug fixes, and implementing enhancements will be applied. Patches that correct security issues must be applied as soon as possible. Patch application must conform to NERC Cyber Security standards.

8.4 Virus Detection Updates

Virus detection software must be installed and continuously running on the Registry computer systems. NAESB staff and the vendor must establish a method by which virus detection software is updated. Updates must be downloaded and applied daily.

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials

February 4-5, 2008

TAB 9

2008 WEQ Annual Plan

- The 2008 plan as approved by the Board of Directors at its December 2007 meeting is included. Should the WEQ EC determine that changes are to be made to the plan as a result of the subcommittee updates; a motion to approve the changes for forwarding to the Board for approval would be required. The motion would require a simple majority to pass.
- The materials in Tab 9 correspond to agenda item 9 for the WEQ EC agenda.



North American Energy Standards Board

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NORTH AMERICAN ENERGY STANDARDS BOARD

2008 WEQ Annual Plan Adopted by the Board of Directors on December 13, 2007

Item Description	Completion ¹	Assignment ²
1 Develop business practices standards as needed to complement reliability standards		
Develop business practice standards to support and complement NERC reliability standards, NERC policies and NERC standards authorization requests (SARs) using the NERC/NAESB Coordination Joint Standards Development Process as appropriate. Current NAESB activities underway to develop business practice standards that are supportive of this annual plan item are:		
a) Make version 2 changes to business practices as requested.	Ongoing	BPS
i) Make changes to business practices as related to inclusion of the NERC Reliability Functional Model functional model entities as NERC undertakes the same efforts.	As requested	BPS
Status: No requests.		
ii) Continuous support of TLR Procedure in alignment with NERC efforts on TLR Phase II and Phase III which would be included in version 2 development. ³	Ongoing	BPS ⁴
Status: Ongoing as NERC makes changes.		
b) Develop business practices to support Coordinate Interchange – R05020 “Include a guideline for rounding schedules with partial mWh's in the coordinate interchange business practice WEQ BPS-002-000”	4 th Q, 2007	BPS, JISWG
Status: Underway.		
c) Operate Within Limits (R03017) as coordinated with the NERC schedule on the same development for reliability standards		
i) Review the need to develop business practice standards to support Operate Within Limits (R03017)	2 nd Q, 2008	SRS
ii) Develop business practice standards to support Operate Within Limits (R03017)	4 th Q, 2008	BPS
d) Prepare recommendations for future path for TLR in concert with NERC, which may include alternative congestion management procedures ⁵	4 th Qtr 2008	BPS ⁶
e) Determine any needed NAESB action in support of the Interchange Distribution Calculator (IDC) and develop any necessary standards.	4 th Q, 2008	BPS
Status: Not Started.		



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NORTH AMERICAN ENERGY STANDARDS BOARD

2008 WEQ Annual Plan Adopted by the Board of Directors on December 13, 2007

Item Description	Completion ¹	Assignment ²
2 Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)		
a) Develop version 1 business practice standards to better coordinate the use of the transmission system among neighboring transmission providers. Such business practice standards would be based on recommendations from NERC's Long Term ATC/AFC Task Force and would involve revised procedures for the ATC calculation and/or revised protocols as determined by the final order.		
Status: Underway using joint standards development process with NERC. Request R050004 was expanded to include the OATT NOPR items (NOPR, Docket Nos. RM05-25-000 and RM05-17-000 , "Preventing Undue Discrimination and Preference in Transmission Services", issued May 19, 2006).		
i) Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority		
1. Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority S&CP Requirements	4 th Q, 2007	ESS/ITS
Status: Completed		
2. Conditional Firm Business Practice Standards associated with S&CP Requirements completed in 2(a)(i)(1)	1 st Q, 2008	ESS/ITS
Status: Not Started		
3. Annotations For ATC Business Practice Standards associated with S&CP Requirements completed in 2(a)(i)(1)	4 th Q, 2007	ESS/ITS
Status: Underway		
4. Load Forecast And Actual Load Business Practice Standards associated with S&CP Requirements completed in 2(a)(i)(1)	4 th Q, 2007	ESS/ITS
Status: Underway		
5. Re-Bid Of Partial Service Business Practice Standards on a Single Transmission Provider's System associated with S&CP Requirements completed in 2(a)(i)(1)	4 th Q, 2007	ESS/ITS
Status: Underway		
6. Preconfirmation Priority Business Practice Standards associated with S&CP Requirements completed in 2(a)(i)(1)	4 th Q, 2007	ESS/ITS
Status: Underway		
7. OASIS Exemptions Appendix	4 th Q, 2007	ESS/ITS
Status: Underway		



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NORTH AMERICAN ENERGY STANDARDS BOARD

2008 WEQ Annual Plan Adopted by the Board of Directors on December 13, 2007

	Item Description	Completion ¹	Assignment ²
ii)	Group 2: Metrics; Redispatch Cost Posting		
	1. Metrics Related to Provision of Transmission Service (Paragraph 413 of Order 890) Status: Underway	1 st Q, 2008	ESS/ITS
	2. Metrics Related to Performance of Transmission Studies (Paragraphs 1308 through 1317 of Order 890) Status: Underway	1 st Q, 2008	ESS/ITS
	3. Redispatch Cost Posting - Monthly average cost of redispatch - A high and low redispatch for the month Status: Underway	1 st Q, 2008	ESS/ITS
iii)	Group 3: Network Service On OASIS		
	1. Use of OASIS to Make Electronic Requests to Designate and Terminate Network Resource Status: Underway	2 nd Q, 2008	ESS/ITS
	2. Ability to Query Requests to Designate and Terminate Network Resources and Allow for Queries of All Information Provided with Designation Requests Status: Underway	2 nd Q, 2008	ESS/ITS
	3. Masking of Designated Network Resource Operating Restrictions and Generating Cost Information Status: Underway	2 nd Q, 2008	ESS/ITS
	4. Procedural Requirements for Submitting Designations over new OASIS Functionality Status: Underway	2 nd Q, 2008	ESS/ITS
	5. Specify How Designated Network Service Informational Postings are Posted on OASIS Status: Underway	2 nd Q, 2008	ESS/ITS
	6. Set Forth the Treatment of OASIS Requests when the Customer Fails to Provide the Necessary Attestation Status: Underway	2 nd Q, 2008	ESS/ITS



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NORTH AMERICAN ENERGY STANDARDS BOARD

2008 WEQ Annual Plan Adopted by the Board of Directors on December 13, 2007

	Item Description	Completion ¹	Assignment ²
	7. Procedural Requirements for Submitting Both Temporary and Indefinite Terminations of Network Resources Status: Underway	2 nd Q, 2008	ESS/ITS
	8. Procedures for Submitting and Processing Requests for Concomitant Evaluations of Transmission Requests and Temporary Terminations Status: Underway	2 nd Q, 2008	ESS/ITS
iv)	Group 4: Pre-Emption; Request No. R05019; and Revisions to Standard 9.7		
	1. Pre-Emption Status: Not Started	2 nd Q, 2008	ESS/ITS
	2. Request No. R05019 Status: Not Started	2 nd Q, 2008	ESS/ITS
	3. Revisions to Standard 9.7 Status: Not Started	2 nd Q, 2008	ESS/ITS
v)	Group 5: Paragraph 1377	3 rd Q, 2008	ESS/ITS
	1. Paragraph 1377 Status: Not Started	3 rd Q, 2008	ESS/ITS
	2. Re-Bid Of Partial Service across Multiple Transmission Providers' Systems Status: Not Started	3 rd Q, 2008	ESS/ITS
vi)	Group 6: Miscellaneous (Paragraphs 1390 and 1627 of Order 890)		
	1. Paragraph 1390 of Order 890 Status: Not Started	3 rd Q, 2008	ESS/ITS
	2. Paragraphs 1627 of Order 890 Status: Not Started	3 rd Q, 2008	ESS/ITS
	3. Redispatch Cost Posting to allow for posting of third party offers of planning redispatch services. Status: Not Started	3 rd Q, 2008	ESS/ITS
	4. Posting of ETC (moved from Group 1) Status: Not Started	3 rd Q, 2008	ESS/ITS



North American Energy Standards Board

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NORTH AMERICAN ENERGY STANDARDS BOARD

2008 WEQ Annual Plan Adopted by the Board of Directors on December 13, 2007

Item Description	Completion ¹	Assignment ²
b) Develop the needed business practices as companion to the NERC standards for ATC related efforts. ⁷		
i) Develop standards to support existing Request No. R05004 . Status: Underway	4 th Q, 2008	BPS, ESS/ITS
ii) Develop Business Practice Standards for Existing Transfer Capability (ETC)		ESS/ITS
1. Develop the Business Practice Standards complementary to NERC Reliability Standards for Existing Transfer Capability (ETC) to create a “consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses”, including the elements of ETC for full implementation of the NERC MOD-001 reliability standard. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development. Status: Not Started.	June 1, 2008	BPS, ESS/ITS
2. Business practice standards for accounting for counterflows. These standards will be included in the ATC business practice standards. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development. Status: Underway	June 1, 2008	BPS, ESS/ITS
iii) Capacity Benefit Margin (CBM) Business Practices		
<i>Some of the Completion dates for these items may be changed if NERC timelines for Order 890 are changed:</i>		
1. Determine if business practice standards are needed, and if so, develop them to set forth “how the CBM value shall be determined, allocated across transmission paths, and used” and how transmission providers will “reflect the set-aside of transfer capability as CBM in the development of the rate for point-to-point transmission service.” The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development. Status: Underway.	June 1, 2008	BPS, ESS/ITS
2. Business practice standards that include an OASIS mechanism to “allow for auditing of CBM usage.” The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development. Status: Underway.	June 1, 2008	BPS, ESS/ITS

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2008 WEO Annual Plan Adopted by the Board of Directors on December 13, 2007

2008 WEQ Annual Plan – Approved by the Board of Directors on December 13, 2007
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NORTH AMERICAN ENERGY STANDARDS BOARD

2008 WEQ Annual Plan Adopted by the Board of Directors on December 13, 2007

	Item Description	Completion ¹	Assignment ²
2.	Business practice standards for data exchange for ATC modeling complementary to the related NERC reliability standards including any OASIS posting requirements to achieve the data exchange. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development.	June 1, 2008	BPS/ESS/ITS
3.	Business practice standards that will set forth how transmission providers will post “explanations of the reason for a change in monthly and yearly ATC values on a constrained path.” The standards will include a requirement that the transmission provider posts the reason for the change in a narrative form. The posted information will include “the (1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network).” The business practices developed to address this item will <u>not</u> require to coordination with the NERC Order 890 reliability standards development.	4 th Q, 2007	BPS/ESS/ITS
4.	Business practice standards for posting on OASIS of the “underlying load forecast assumptions for all ATC calculations”. The business practices developed to address this item will not require to coordination with the NERC Order 890 reliability standards development	June 1, 2008	BPS/ESS/ITS
5.	Business practice standards for posting on OASIS of the “actual daily peak load for the prior day.” The business practices developed to address this item will <u>not</u> require to coordination with the NERC Order 890 reliability standards development	4 th Q, 2007	BPS/ESS/ITS
vi)	Business practice standards to complement NERC reliability standards for Transfer Capability in response to new NERC Supplemental SAR: Revisions to Existing Standards MOD001-MOD009, FAC12-13 This item was added as a result of the Supplemental SAR NERC created in case additional business practices are needed as a result of the work on this SAR by NERC. It does not have a cite in Order 890. This item will require coordination with the NERC Order 890 reliability standards development. Status: Underway	June 1, 2008	BPS, ESS/ITS



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	Item Description	Completion ¹	Assignment ²
vii)	Business practice standards to set forth the procedure for input on TTC and ATC methodologies and values. (During the Order 890 NERC and NAESB joint standards development effort, it was determined that the standards contained in MOD003 should be business practice standards instead of reliability standards. NERC has requested that NAESB adopt the standards as business practices via correspondence to Ms. McQuade, NAESB President.) This item will require coordination with the NERC Order 890 reliability standards development because the language to address this item is contained within a draft standards that addresses items that are dependent on NERC deliverables, i.e., the requirements to create an "ATC Information Link" on OASIS. There is no Order 890 cite for this item. Status: Underway	June 1, 2008	BPS, ESS/ITS
c)	Develop version 1 business practice standards to support transparency reporting and related functions that may be required as a result of the final order. Status: Not Started.	June 1, 2008	BPS, ESS/ITS
3 Develop business practices standards to improve the current operation of the wholesale electric market and develop and maintain business practice and communication standards for OASIS and Electronic Scheduling			
a)	Develop and/or maintain business practice standards as needed for OASIS and electronic scheduling. Specific items to address include:		
i)	Develop OASIS S&CP changes to support OASIS business practices. Status: Dependent on development of OASIS business practices.	Ongoing	ESS/ITS
ii)	Network Services: Determine and develop needed business practice standards or other support is needed to support use of OASIS for Network Service transactions (R04006E). (Related to AP 2(a)(iii)) Status: Underway.	2 nd Q, 2008	ESS/ITS
iii)	Registry (TSIN): Determine and develop needed business practice standards to support the registry functions currently supported by NERC (R04037). Status: Underway.	4 th Q 2008	JISWG
1)	Work with the NAESB counsel to develop a confidentiality agreement	4 th Q 2008	JISWG
2)	Transition the TSIN Registry from NERC to NAESB.	4 th Q 2008	JISWG
3)	Review and correct the Coordinate interchange Business Practice Standard as noted during the development of the e-Tag 1.8 development process.	4 th Q 2008	JISWG
v)	Document procedures used to implement the displacement/interruption terms of the Pro Forma tariff (R05019). Status: Not Started.(Related to request R05004)	4 th Q, 2008	ESS/ITS



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2008 WEQ Annual Plan Adopted by the Board of Directors on December 13, 2007

	Item Description	Completion ¹	Assignment ²
vi)	Make incremental enhancements to OASIS as an outgrowth of the NAESB March 29, 2005 conference on the future of OASIS (R05026). Status: Underway. Scoping statement completed by SRS, assignments made, and clarifications requested from the submitter.	2008 as determined	Various
vii)	Respond to issues in FERC Order No. 676 (Docket No. RM05-5-000) – NAESB WEQ Standards 001 9.7, (paragraph 51 of the order). Status: Underway. Assigned to group 4, reference 2007 WEQ AP item 2(a)(iv)(3)	2 nd Q, 2008	ESS/ITS
b)	Develop and/or maintain standard communication protocols and cyber-security business practices as needed.		
i)	Address the surety assessment findings on NAESB PKI standards. Status: Complete, will be provided as a response to the U.S. DoE upon completion by the WGQ for their response to the findings.	1 st Q, 2008	JISWG
ii)	Develop PKI standards for OASIS. Status: Not Started.	3 rd Q, 2008	ESS/ITS
iii)	Develop PKI Standards for e-tagging. Status: Underway.	4 th Q, 2007	JISWG
iv)	Develop enhanced Electric Industry Registry (EIR), (R06027) Status: Underway.	4 th Q, 2007	JISWG
c)	Develop needed business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers. Status: Underway.	4 th Q, 2007	NAESB Staff with WEQ support
4	Review and develop business practices standards to support e-Tariff program		
	Develop business practices as needed to support the e-Tariff program including submittal of tariffs and metadata. (Docket No RM05-1-000) Status: Underway.	1 st Q 2008	Joint WEQ/WGQ e-Tariff Subcommittee
5	Review and develop business practices standards to Demand Response, Demand Side Management and Energy Efficiency Programs		
	Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program.	2008	Joint WEQ/Retail DSM-EE Subcommittee



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2008 WEQ Annual Plan Adopted by the Board of Directors on December 13, 2007

Item Description	Completion ¹	Assignment ²
a) Develop matrix and business practice standards for measurement and verification for demand response programs in ISO/RTO footprint areas. Status: Underway	3 rd Q, 2008	Joint WEQ/Retail DSM-EE Subcommittee
b) Develop matrix and business practice standards for measurement and verification for demand response programs in non-ISO/RTO footprint areas. Status: Underway	3 rd Q, 2008	Joint WEQ/Retail DSM-EE Subcommittee
c) Develop preamble for business practice standards for measurement and verification for demand response and energy efficiency programs. Status: Underway	4 th Q, 2008	Joint WEQ/Retail DSM-EE Subcommittee
d) Develop glossary for business practice standards Status: Underway	4 th Q, 2008	Joint WEQ/Retail DSM-EE Subcommittee
e) Support retail development of matrix and model business practice standards for measurement and verification for demand response programs Status: Underway	4 th Q, 2008	Joint WEQ/Retail DSM-EE Subcommittee
f) Develop business practice standards to measure and verify energy reductions that are made to comply with a Renewable Portfolio Standard that included energy efficiency or a stand-alone Energy Efficiency Portfolio Standard. Status: Not Started	Phase 2	Joint WEQ/Retail DSM-EE Subcommittee
g) Develop business practice standards to factor Demand Control and Energy Efficiency programs into reliability / supply decisions at the wholesale level for generation and transmission planning and operations. Status: Not Started.	Phase 2	Joint WEQ/Retail DSM-EE Subcommittee
h) Develop business practice standards for cap and trade programs for green house gas Status: Not Started.	Phase 2	Joint WEQ/Retail DSM-EE Subcommittee



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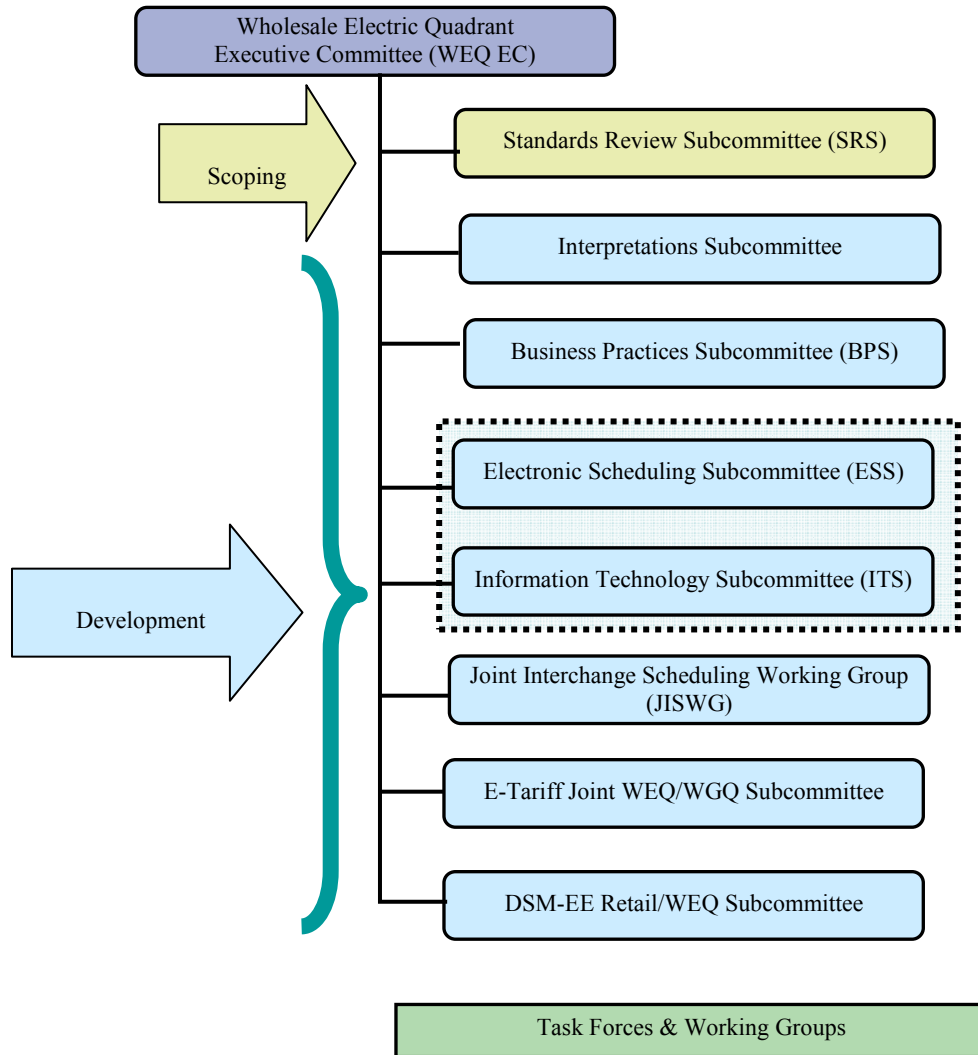
2008 WEQ Annual Plan Adopted by the Board of Directors on December 13, 2007

	Item Description	Completion ¹	Assignment ²
PROVISIONAL ITEMS			
1	Develop and or modify business practices related to support of NERC effort on the NERC Resources and Transmission Adequacy and Inadvertent Interchange Data Standards BAL-006 revisions.		
2	Develop business practice standards as requested by the regional and state advisory groups.		
3	Develop business practice standards as related to the Effectiveness Study of Competitive Wholesale Markets (Congressional Mandate), Electric Energy Market Competition Task Force, Docket No. AD05-17-000 , issued by the FERC on October 13, 2005.		
4	Develop and/or maintain business practice standards to support gas-electric interdependencies - Respond to requests as received that are related to Docket No. RM05-28-000. - Respond directives related to the conclusions of the NAESB reports submitted in FERC Order No. 698, Docket Nos. RM05-5-001 and RM96-1-027.		
5	Review Market System Back-Up existing language and review of existing back-up language		
6	Review and Evaluation of whether to cutoff or put a size limit on the entities for which the standards apply		



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NAESB WEQ EC and Subcommittee Leadership:

Executive Committee: Kathy York (WEQ EC Chair) and Clay Norris (WEQ EC Vice Chair)

Standards Review Subcommittee: Narinder Saini, Ed Skiba

Interpretations Subcommittee: Robert Schwermann

Business Practices Subcommittee & Task Forces: Kathy York, Jim Busbin, Ed Skiba

Electronic Scheduling Subcommittee/Information Technology Subcommittee & Task Forces: Paul Sorenson, J.T. Wood, Marcie Otondo

Joint Interchange Scheduling Working Group (JISWG): Bob Harshbarger (NAESB), Jim Hansen (NERC)

e-Tariff Joint WEQ/WGQ Subcommittee (e-Tariff): Jane Daly (WEQ), Keith Sappenfield (WGQ)

DSM-EE Joint Retail/WEQ Subcommittee: Ruth Kiselewich and David Koogler (Retail), Roy True and Paul Wattles (WEQ)



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End Notes WEQ 2008 Annual Plan:

¹ Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

² The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

³ For additional information, please see: http://www.naesb.org/pdf3/weq_bps100407w4.ppt for Phase II changes and http://www.naesb.org/pdf2/weq_bps070907w4.doc for Phase III changes.

⁴ Joint Development Procedure is to be used by the NERC TLR Drafting Team and NAESB BPS.

^{5 5} For additional information, please see comments submitted by PJM and MISO for this Annual Plan Item: http://www.naesb.org/pdf3/weq_aplan102907w1.pdf.

⁶ Joint Development Procedure is to be used by the NERC TLR Drafting Team and NAESB BPS.

⁷ The June 1, 2008 dates included in this Annual Plan Item are assigned as a result of FERC extending deadlines to both NERC and NAESB on ATC related Order No. 890 items.

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials

February 4-5, 2008

TAB 10

Board Updates

- The Board recent minutes of 12-13-08 , materials on standards development for FERC Order No. 698 regarding price indexing, redirects and intraday nomination, the wholesale gas and retail quadrants annual plans, and the NAESB bulletin are provided for updates on Board and other quadrant activities. No action is expected of the WEQ EC.
- The materials in Tab 10 correspond to agenda item 10.



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January 15, 2008

TO: NAESB Board Members, Posting for Interested Industry Participants
FROM: Laura Kennedy, Director, Standards Development
RE: Draft Minutes from the NAESB Board of Directors Meeting – December 13, 2007

**NORTH AMERICAN ENERGY STANDARDS BOARD
 NAESB BOARD OF DIRECTORS MEETING
 December 13, 2007 – Wyndham Greenspoint Hotel - Houston, TX
 Draft Minutes**

1. Administration and Welcome

Mr. Desselle welcomed the Board members and guests in the room and on the phone. Mr. Boswell read the antitrust guidelines. Ms. Kennedy read the roster of the Board members and quorum was established.

The Board members reviewed the draft agenda included on page 14 behind tab 2 of the Board book. Mr. Lucas moved, seconded by Mr. Smead, to adopt the agenda as drafted. The Board members reviewed the minutes from the Board meeting on September 27, 2007 included on page 17 behind tab 3 of the Board book. Mr. Ellsworth moved, seconded by Mr. Kruse, to adopt the minutes as drafted. The motion passed without objection. The final minutes are posted on the NAESB Board page: <http://www.naesb.org/pdf3/bd092707fm.doc>.

2. Reports from Board Committees

Resources Committee: Next, Mr. Brown provided an update of the work of the Resources Committee. The report was included behind tab 4 of the Board book, beginning on page 26. Mr. Brown noted that the work of the Resources Committee has helped gain a net 31 new members since its creation. Potential areas for new membership include the Demand Side Management/Energy Efficiency Subcommittee efforts. The Resources Committee plans to contact companies who have the potential of being members in more than one quadrant. The Resources Committee has requested that the staff send out two mail distributions this year – one asking companies to keep NAESB membership on the budget for the upcoming budget cycles and a second in September when budgets are being confirmed. Mr. Brown stated that the Resources Committee also plans to work with the trade organizations to get the message out regarding the NAESB copyright policy and how membership can alleviate copyright concerns. Ms. McQuade stated that she and Mr. Boswell would draft a letter regarding copyright and membership for the Board Resources Committee to approve to be distributed during the first quarter, 2008. During the second quarter, a letter will be distributed to members to remind them to include the membership renewal in the budget for the next year. During the third quarter, a final reminder will be distributed to members to include the membership renewal in the end of year budget for the next year.

Retail Structure Review Committee: Mr. Bourbonnais, the chair of the Retail Structure Review Committee (RSRC) provided the update of the RSRC and presented the RSRC Report for 2007 included as supplemental material for the Board on the Board page: [Supplemental: RSRC 2007 Final Report](#). He stated that since 2005, the RSRC has worked to determine how the Board should address the fact that the two Retail Quadrants' membership are below the required 40 members. In 2005 and 2006, the RSRC expanded the work of the Retail



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Quadrants from development of model business practices to support states that have adopted retail choice to development of model business practices to support traditionally regulated states as well. In 2007, the effort of the Demand Side Management and Energy Efficiency Subcommittee has further expanded the work of the Retail Quadrants. The RSRC has considered several options including changing the NAESB Bylaws so that the membership minimum would be revised so that the retail Quadrants would no longer be in violation, changing the focus of the work of the Retail Quadrants, have the Wholesale Quadrants absorb the Retail Quadrants as a segment of the Wholesale Quadrants, or combine the two Retail Quadrants into one Quadrant. The recommendation of the RSRC, based on the planned efforts of the DSM/EE Subcommittee, is to maintain status quo for 2008 while the RSRC studies the two viable options during the first two quarters in 2008. After that time, the RSRC will propose one of the options or the other: whether to make the Retail Quadrants segments within the Wholesale Quadrants or to merge the Retail Quadrants. After further discussion, Mr. Templeton moved, seconded by Mr. Bourbonnais, to adopt the RSRC 2007 Report. The motion passed unanimously.

3. Updates on specific standards development efforts

Next, the Board reviewed the progress of several standards development efforts underway.

WEQ and WGQ: e-Tariff Progress: Mr. Sappenfield provided the update for the e-Tariff efforts. The e-Tariff report was included behind tab 5, beginning on page 69 of the Board book. The e-Tariff Technical Task Force met November 28-30, 2007 where a lot of progress was made on the xml schema being developed for the electronic filing of tariffs. It is the plan at this time to meet for three days in January to complete the standards development for this subcommittee and vote the recommendation to the Executive Committee.

WEQ: Order 890, Coordination with NERC, ATC deliverable deadlines, OASIS change progress: Ms. York provided the update of the NAESB standards development on Order 890. The Order 890 information begins on page 78 of the Board book behind tab 5. Ms. York noted that the ESS/ITS and BPS have met to address Order 890 over 60 times in 2007 to date and have met 19 times since the September Board meeting. Ms. York reviewed the progress of the subcommittees' work on Order 890. It was determined that in order to meet the deadlines set by the FERC in the extension granted on the Order 890 deadlines, that NAESB must have the standards developed to address the complementary standards with NERC reliability standards developed for Order 890 by June 1 so that the comment period and Executive Committee vote can take place in advance of the deadline of August 9, 2008.

WEQ Transmission Loading Relief Progress: Ms. York provided an overview of the status of Transmission Loading Relief Standards development. The TLR Status Report was included behind Tab 5, beginning on page 141 of the Board book.

WGQ: Order 698 approach, schedule and progress: Mr. Novak provided the update of the work of the WGQ Business Practices Subcommittee to address Order 698. He noted that one more meeting has been scheduled and that more meetings need to be scheduled in 2008. Mr. Novak noted that there is a potential for a segment block on at least one of the issues. Mr. Novak also noted that an interpretation of policy may also be needed in order to move forward. Mr. Novak also noted that he would like the Board to examine a way to pursue policy questions at NAESB via an expedited process. Mr. Desselle noted that he would create a task force of the Board of Directors to examine the possibility of an expedited process to submit policy questions to the FERC.



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WEQ and Retail: DSM/EE efforts: Next, Mr. Koogler and Mr. Winkler provided an overview of the DSM/EE efforts. The materials were included behind tab 5, beginning on page 161 of the Board book. The effort includes three of the four NAESB Quadrants – the WEQ, the RGQ, and the REQ. The last meeting was held on November 30, 2007 hosted by Dominion in Richmond, Virginia. The subcommittee is in the process of creating matrices that will be distributed to members with the goal that examples will be submitted to highlight companies' demand response programs. Ms. McQuade continues to meet with NARUC staff and state commissioners active in NARUC to keep the state commissions abreast of the developments at NAESB. The next meeting is scheduled on January 23, 2008 to be hosted by Baltimore Gas and Electric in Baltimore, Maryland. Mr. Brown stated that it is important also to keep Commissioner Wellinghoff abreast of the work of the DSM/EE Subcommittee.

WEQ and Retail Publication Schedule: Ms. McQuade stated that NAESB published WEQ Version 1 at the end of October 2007. The status report on the standards included in Version 1 will be submitted to the FERC on December 21, 2007. The TLR standards were included in Version 1 and will be noted in the filing. NAESB staff is working closely with NERC staff so that the NERC TLR standards can be filed at the same time as the NAESB TLR standards.

For the Retail Quadrants' Version 1.1, it is the plan at this time to publish in 2008 when technical business practices recommendations have been completed and are ratified by the membership so that they may be included in the publication as well. The publication information can be found beginning on page 173 behind tab 5 of the Board book.

4. Copyright Update

Next, Ms. McQuade reviewed the Copyright Update, included behind tab 6, beginning on page 178 of the Board book. Ms. McQuade stated that a letter will be distributed in the first quarter highlighting the Copyright Policy and noting that members can purchase standards at member rates for their affiliates.

5. Executive Committee Reports

Ms. York provided the review of the Wholesale Electric Quadrant and reviewed the proposed changes to the WEQ 2007 Annual Plan, posted as supplemental material for the meeting: [Supplemental: Redlined 2007 WEQ Annual Plan](#). Mr. Templeton moved, seconded by Mr. True, to adopt the revisions to the plan as highlighted by Ms. York. The motion passed without objection.

Mr. Novak provided the review of the work of the Retail Quadrants and the redlined Retail 2007 Annual Plan. Mr. Buccigross did the same for the Wholesale Gas Quadrant. The plans were included in the Board book behind tab 7. Mr. Buccigross moved, seconded by Mr. Novak to adopt the changes to the plans as noted in the redlines. The motion passed without objection.

2008 Annual Plans –

Ms. York presented the draft WEQ 2008 Annual Plan to the Board. Mr. Buccigross presented the draft WGQ 2008 Annual Plan to the Board. Mr. Novak presented the Retail 2008 Annual Plan. Mr. Buccigross moved, seconded by Mr. Bourbonnais, to adopt the 2008 Annual Plans. The motion passed without objection. The annual plans were included behind tab 8 of the Board book.



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6. Membership and Financial Reports

Ms. McQuade reviewed the membership report included on page 278 of the Board book, behind tab 9. The membership profile notes a net increase of 20 members to date in 2007. On page 280 a list of the companies that have joined and those that have elected to resign their memberships was included.

The 2007 Financial Report and budget as of October 31, 2007 is included in the Board book, beginning on page 291. Ms. Wishart noted that an outside accounting firm conducted an audit of the 2006 financial statements as of October 2006 and had no adverse findings in the statements.

The proposed budget for 2008 was included behind tab 9, beginning on page 299 of the Board book. Ms. Wishart provided the review of the proposed budget. Mr. Brown asked how many memberships would be needed to cover the increase in the budget. Ms. Wishart stated that 9 net new memberships would be needed to meet that budget. Mr. Bourbonnais moved, seconded by Mr. Lucas to adopt the 2008 budget. The motion passed without objection.

7. Plan for March 2008 Board Meeting

Ms. McQuade stated that the March 2008 Board meeting agenda will include a year-end review of the financials, review of the progress on the Annual Plans, updates on publications, e-Tariff, Order 890 progress, DSM/EE progress, and Order 698 progress.

8. Old and New Business

The Liaison Report is included on page 301 of the Board book. NAESB continues to meet with FERC staff to communicate on the work for Order 890 and e-Tariff. As previously noted, NAESB will submit the status report on the Version 1 WEQ standards on December 21. The status report will also acknowledge the extension of Order 890 deadlines and the dissolution of the Joint Interface Committee.

The Advisory Council will meet in February in conjunction with the NARUC Winter meeting. Mr. Ellsworth is the chair of the Advisory Council.

Mr. Buccigross noted that the NAESB Base Contract has extensive use in the gas marketplace. In a recent bankruptcy suit, the issue of whether the NAESB Base Contract is in fact a forward contract and whether the parties were forward contract merchants was decided. The bankruptcy judge held that the Base Contract is not a forward contract and that the parties are not forward contract merchants. NAESB has been approached to submit an amicus brief on this issue. The Managing Committee determined that to submit an amicus brief on this issue could be construed as advocacy and determined that the parties in the suit could seek to have an interpretation issued by NAESB. Attorneys for one of the parties have notified NAESB staff that they plan to submit a request for interpretation on this issue.

Mr. Oberski stated that the WEQ Leadership plans to discuss the need to continue with sub-segments within the WEQ at the next WEQ Leadership meeting.

The 2008 Board meetings will be held in Houston, unless parties volunteer to host at another location.

9. Adjourn

Mr. Templeton moved to adjourn. The meeting adjourned at 11:30 AM Central.



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10. Board Attendance (Vacancies Omitted)

Wholesale Gas Quadrant

PRODUCERS SEGMENT		ATTENDANCE:
Jay Ellzey	Vice President Commercial Operations, Chevron Natural Gas	Absent
William T. Benham	Vice President – Regulatory Affairs, BP Energy Company	Absent
Keith Sappenfield	Regional Director – US Regulatory Affairs, EnCana Oil & Gas (USA) Inc.	Phone
Pete Frost	Director - Regulatory Affairs, ConocoPhillips Gas and Power Marketing	Phone
PIPELINE SEGMENT		
Jim Goldmann	Vice President - Transportation Services and Development, Alliance Pipeline LP	Absent
Bill Grygar	Vice President, Panhandle Eastern Pipe Line	Absent
Susanna B. Barry	Vice President – Commercial Operations, Tennessee Gas Pipeline Company	In Person
Anne Bomar	Vice President, Dominion	Absent
Richard Kruse	Senior Vice President, Spectra Energy Transmission	In Person
LOCAL DISTRIBUTION COMPANY (LDC) SEGMENT		
Clifton Olson	Vice President of Supply and Transmission, Energy East Corporation	Phone
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisition, Washington Gas	Absent
Reed Horting	Vice President, Gas Supply & Transportation, PECO Energy Co.	Absent
Mike Novak	Asst. General Manager, National Fuel Gas Distribution Corporation	In Person
Lee Stewart	Senior Vice President, Gas Transmission, Southern California Gas Company	Absent
END USERS SEGMENT		
Valerie Crockett	Senior Energy & Policy Specialist, Tennessee Valley Authority	Absent
Jim Templeton	Principal, Comprehensive Energy Services	In Person
SERVICES SEGMENT		
John Bretz	Vice President - Gas Marketing, Anadarko Energy Services Company	Absent
Jim Buccigross	Vice President Energy Industry Practice, Group 8760 LLC	In Person
Bill Hebenstreit	Manager – Contract Administration, Cheniere Marketing, Inc.	Absent
Suzanne Calcagno	Director, Regulatory Compliance, UBS Energy, LLC	Absent

2007 BOARD TERMS – Retail Electric Quadrant

SUPPLIERS SEGMENT		ATTENDANCE:
Gregory Urbin	Regulatory Affairs Manager, Constellation NewEnergy	Absent
Richard Zelenko	Vice President, Dominion Retail Inc.	Absent
DISTRIBUTORS SEGMENT		
David Koogler	Director – State Regulation, Dominion Virginia Power (SERC NERC Region)	In Person



North American Energy Standards Board

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Dennis Derricks	Director Regulatory Policy and Analysis, Integrys Energy Services, Inc.	Phone
Ruth Kiselewich	Director Special Projects and Supplier Services, Baltimore Gas & Electric Company (MAAC NERC Region)	In Person
Debbie McKeever	Market Advocate, Oncor	Phone

END USERS SEGMENT

Sonny Popowsky	Consumer Advocate, Pennsylvania Office of Consumer Advocate	Absent

SERVICE PROVIDERS SEGMENT

Jim Minneman	Director of Business Services, PPL Solutions LLC	Phone
J Cade Burks	President, EC Power	In Person

Wholesale Electric Quadrant

TRANSMISSION SEGMENT		SUBSEGMENT:	ATTENDANCE
Dan Klempel	Director Transmission Regulatory Compliance, Basin Electric Power Cooperative	Muni/Coop	In Person
W Terry Boston	Executive Vice President – Transmission/Power Supply Group, Tennessee Valley Authority	Fed/State/Prov.	Absent
John E. Lucas	Director - Transmission Policy and Services, Southern Company Transmission	IOU	In Person
Terri Grabiak	Director – FERC and RTO Internal Affairs, Allegheny Energy, Inc.	at large	In Person

GENERATION SEGMENT

Curtis Winterfeld	Vice President of Power Marketing, Deseret Generation & Transmission Cooperative	Muni/Coop	Absent
Belinda Thornton	Senior Manager – Real Time Trading, Tennessee Valley Authority	Fed/State/Prov.	In Person
Lou Oberski	Director – Electric Market Policy, Dominion Resources Services, Inc.	IOU	In Person
Charles W. Severance	Manager – Supply & Wholesale Services, Integrys Energy Services, Inc.	IOU	In Person
Michael Gildea	Director of Compliance, Constellation Energy	Merchant	Absent
Gloria Ogenyi	Vice President Energy Policy, Conectiv Energy Supply, Inc.	Merchant	Absent
Ron Mucci	Manager - Regulatory Affairs, Williams Power Company	At-Large	Phone

MARKETERS/BROKERS SEGMENT

Roy True	Manager of RTO Market Development, ACES Power Marketing	Muni/Coop	In Person
Jeff Ackerman	Manager, Colorado River Storage Project Energy Management and Marketing Office, Western Area Power Administration	Fed/State/Prov.	Phone
Michael Grim	Director of Markets and Regulation, Luminant	Not IOU Affiliated	Absent
Jim Cashin	Senior Manager of Policy, Electric Power Supply Association (EPSA)	at large	Absent
Mark Klein	Vice President – Energy Supply and Marketing, Public Service Company of New Mexico	IOU	Absent
R. Scott Brown	Vice President and Director, Exelon Generation	IOU	In Person



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Rick Smead	Power Team Director, Navigant Consulting, Inc.	At-Large	In Person
DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT		SUBSEGMENT:	
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	Muni/Coop	Phone
Barry R. Lawson	Manager-Power Delivery, National Rural Electric Cooperative Association	Muni/Coop	Absent
Leonard Haynes	Executive Vice President – Supply Technologies, Renewables and Demand Side Planning, Southern Company Generation	IOU	Absent
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	IOU	Absent
Thomas Burgess	Director – FERC Compliance, FirstEnergy Service Company	at large	Absent
Joe Hartsoe	Managing Director – Federal Policy, American Electric Power Service Corp.	at large	Phone
Bruce Ellsworth	New York State Reliability Council	At-Large	In Person
END USERS SEGMENT			
Carol Guthrie	General Manager, Electric Market Strategies, ChevronTexaco Energy Research and Technology Company	End Use (Self Generator)	Absent
James T. Gallagher	Director, Office of Electricity & Environment, New York State Department of Public Service	Regulator	Absent
Michéhl Gent	Open Access Technology International, Inc.	At-Large	In Person
INDEPENDENT GRID OPERATORS/PLANNERS			
Michael Desselle	Vice President Process Integrity, Southwest Power Pool		In Person
Ray Giuliani	Vice President Market Operations, Electric Reliability Council of Texas (ERCOT)		In Person
Kevin Kirby	Vice President Market Operations, ISO New England, Inc.		Phone
Rana Mukerji	Vice President Market Structures, New York Independent System Operator, Inc. (NYISO)		Phone
Andy Ott	Vice President Markets, PJM Interconnection		In Person
William Phillips	Vice President Interregional Coordination & Policy, Midwest ISO (MISO)		In Person
Don Tench	Director Planning & Assessments, Independent Electricity System Operator (IESO)		In Person
Retail Gas Quadrant			
SUPPLIERS SEGMENT		ATTENDANCE:	
Kathy Fudali	Manager, Contract Administration, Sprague Energy Corp.		Absent
DISTRIBUTORS SEGMENT			
Craig White	Chief Operating Officer, Philadelphia Gas Works		Absent
William Bourbonnais	Vice President – Transmission, Wisconsin Public Service Corporation		In Person
Ralph Cleveland	Senior Vice President – Engineering and Operations, AGL Resources, Inc.		Absent
END USERS SEGMENT			



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SERVICE PROVIDERS SEGMENT

Leigh Spangler	President, Latitude Technologies Inc.	In Person
Dave Darnell	President & CEO, Systrends USA	Absent
Greg Lander	Principal, Commerce Energy Group	Absent

11. Other Attendance

Name	Organization	Attendance
Jonathan Booe	NAESB	In Person
Bill Boswell	NAESB	In Person
Kathryn Burch	Spectra Energy	In Person
Christopher Burden	Williams Gas Pipeline	In Person
Dale Davis	Williams Gas Pipeline	In Person
Ed Davis	Entergy	In Person
Chuck Feagans	Tennessee Valley Authority	Phone
Mark Gracey	Tennessee Gas Pipeline	In Person
Bill Griffith	El Paso Natural Gas	In Person
David Huffman	NAESB	In Person
Laura Kennedy	NAESB	In Person
Iris King	Dominion Transmission	Phone
Rob Martinko	FirstEnergy	In Person
Rae McQuade	NAESB	In Person
Larry Middleton	Midwest ISO	In Person
Rebecca Miller	NERC	Phone
Susan Pollonais	FERC	Phone
Denise Rager	NAESB	In Person
Andy Rodriquez	NERC	In Person
Ed Skiba	Midwest ISO	In Person
Veronica Thomason	NAESB	In Person
Kim Van Pelt	Panhandle Eastern Pipe Line	In Person
Eric Winkler	ISO New England	In Person
Darla Wishart	NAESB	In Person
Charles Yeung	Southwest Power Pool	In Person
Kathy York	Tennessee Valley Authority	In Person

Proposed Modifications to WGQ Standards

Proposed Modified WGQ Standard No. 5.3.26 (Clean)

The releasing shipper should specify which one of the following methods is acceptable for bidding on a given capacity release offer:

dollars and cents,
percentage of maximum tariff rate, or
index-based formula as detailed in the capacity release offer

The bids for the given capacity release offer should adhere to the method specified by the releasing shipper. The bidder may bid the maximum tariff rate, if one is so stated, in the Transportation Service Provider's tariff or general terms and conditions, as an alternative to the method specified by the releasing shipper.

Proposed Modified WGQ Standard No. 5.3.1 ([Redline 01/10/2008](#))

The capacity release timeline ~~is applicable~~ applies to all parties involved in the capacity release process, provided that:

- 1) all information provided by the parties to the transaction is valid and the acquiring shipper has been determined to be creditworthy before the capacity release bid is tendered,
- 2) for index-based capacity release transactions, the releasing shipper has provided the capacity release service provider with sufficient instructions to evaluate the corresponding bid(s) according to the timeline, and
- 3) there are no special terms or conditions of the release.

Further, the capacity release service provider may complete the capacity release process on a different timeline if the offer includes unexpected requirements (e.g. designation of an index not supported by the Transportation Service Provider).

Proposed Modified WGQ Standard No. 5.3.1 (Clean)

The capacity release timeline applies to all parties involved in the capacity release process, provided that:

- 1) all information provided by the parties to the transaction is valid and the acquiring shipper has been determined to be creditworthy before the capacity release bid is tendered,
- 2) for index-based capacity release transactions, the releasing shipper has provided the capacity release service provider with sufficient instructions to evaluate the corresponding bid(s) according to the timeline, and
- 3) there are no special terms or conditions of the release.

Further, the capacity release service provider may complete the capacity release process on a different timeline if the offer includes unexpected requirements (e.g. designation of an index not supported by the Transportation Service Provider).

Proposed Modified WGQ Standard No. 5.3.3 (Clean)

For the capacity release business process timing model, only the following methodologies are required to be supported by capacity release service providers and provided to releasing shippers as choices from which they may select and, once chosen, should be used in determining the awards from the bid(s) submitted. They are: 1) highest rate, 2) net revenue and 3) present value. For index-based capacity release transactions, the releasing shipper should provide the necessary information and instructions to support the chosen methodology.

Other choices of bid evaluation methodology (including other releasing shipper defined evaluation methodologies) can be accorded similar timeline evaluation treatment at the discretion of the capacity release service provider. However, the capacity release service provider is not required to offer other choices or similar timeline treatment for other choices, nor is the capacity release service provider held to the timeline should the releasing shipper elect another method of evaluation.

Proposed Modified WGQ Standard No. 2.3.21 (Redline 01/10/2008)

The timing for reporting daily operational allocations after the gas has flowed is within one business day after end of gas day. If the best available data for reporting daily operational allocations is the scheduled quantity, that quantity should be used for the daily operational allocation.

This standard applies to the daily provision of operational allocated quantities whether they are provided pursuant to NAESB WGQ Standard 2.4.3 or NAESB WGQ Standard 2.4.4.

Upon request to its Transportation Service Provider (TSP), a Service Requester (SR) should be provided operational allocated quantities pursuant to NAESB WGQ Standard 2.4.3 or 2.4.4 for the transaction(s) which have been scheduled by such TSP for the SR.

A TSP should provide a releasing shipper operational allocated quantities pursuant to NAESB WGQ Standard 2.4.3 or 2.4.4 when a releasing shipper invoices volumetric index-based capacity releases pursuant to NAESB WGQ Standard 5.3.x7.

A TSP can agree to send the operational allocated quantities on a daily basis to a SR rather than accept the Request for Information (NAESB WGQ Standard 2.4.7) for operational allocated quantities.

A TSP is not required to support requests for operational allocated quantities other than on an “all locations for a SR basis.” Where a TSP has determined to support this standard in a manner other than:

- a) providing specific operational allocated quantities in response to a request for same, or
- b) providing operational allocated quantities on an “all locations for an SR basis,” then the SR can rely on the absence of a line item(s) provided by a TSP as indicative that the particular line item(s)’ scheduled quantities are operational allocated quantities.

Proposed Modified WGQ Standard No. 2.3.21 (Clean)

The timing for reporting daily operational allocations after the gas has flowed is within one business day after end of gas day. If the best available data for reporting daily operational allocations is the scheduled quantity, that quantity should be used for the daily operational allocation.

This standard applies to the daily provision of operational allocated quantities whether they are provided pursuant to NAESB WGQ Standard 2.4.3 or NAESB WGQ Standard 2.4.4.

Upon request to its Transportation Service Provider (TSP), a Service Requester (SR) should be provided operational allocated quantities pursuant to NAESB WGQ Standard 2.4.3 or 2.4.4 for the transaction(s) which have been scheduled by such TSP for the SR.

A TSP should provide a releasing shipper operational allocated quantities pursuant to NAESB WGQ Standard 2.4.3 or 2.4.4 when a releasing shipper invoices volumetric index-based capacity releases pursuant to NAESB WGQ Standard 5.3.x7.

A TSP can agree to send the operational allocated quantities on a daily basis to a SR rather than accept the Request for Information (NAESB WGQ Standard 2.4.7) for operational allocated quantities.

A TSP is not required to support requests for operational allocated quantities other than on an “all locations for a SR basis.” Where a TSP has determined to support this standard in a manner other than:

- a) providing specific operational allocated quantities in response to a request for same, or

b) providing operational allocated quantities on an “all locations for an SR basis,” then the SR can rely on the absence of a line item(s) provided by a TSP as indicative that the particular line item(s)’ scheduled quantities are operational allocated quantities.

Proposed New WGQ Definitions and Standards

Proposed Definition 5.2.x1 (Redline 01/10/2008)

For index-based capacity release transactions, Rate Floor is the term used to describe the lowest rate specified in the capacity release offer in dollars and cents that is acceptable to the releasing shipper. ~~as a Rate Floor supersedes and replaces any lower~~ The Transportation Service Provider's minimum tariff rate should serve as the default value for a Rate Floor.

Proposed Definition 5.2.x1 (Clean)

For index-based capacity release transactions, Rate Floor is the term used to describe the lowest rate specified in the capacity release offer in dollars and cents that is acceptable to the releasing shipper. The Transportation Service Provider's minimum tariff rate should serve as the default value for a Rate Floor.

Proposed Definition 5.2.x2

For index-based capacity release transactions, Default Rate is the term used to describe the rate to be used for invoicing purposes when the result of the index-based formula is unavailable or cannot be computed.

Proposed WGQ Standard No. 5.3.x1

A Transportation Service Provider should support index-based capacity release transactions exclusively via the use of NAESB WGQ EBB/EDM.

Proposed WGQ Standard No. 5.3.x2 (Redline 01/10/2008)

For index-based capacity release transactions, the releasing shipper should specify which one of the following methods is acceptable for bidding on a given index-based capacity release offer:

- a percentage of the formula,
- ~~a percentage of a formula component and which component~~
- a dollars and cents differential from the formula,
- a dollars and cents differential from the Rate Floor, or
- an approved methodology in the Transportation Service Provider's tariff, if any.

The releasing shipper may specify another method in the special terms and conditions, but the capacity release offer may not be processed within the capacity release timeline pursuant to NAESB WGQ Standard No. 5.3.2.

Proposed WGQ Standard No. 5.3.x2 (Clean)

For index-based capacity release transactions, the releasing shipper should specify which one of the following methods is acceptable for bidding on a given index-based capacity release offer:

- a percentage of the formula,
- a dollars and cents differential from the formula,
- a dollars and cents differential from the Rate Floor, or
- an approved methodology in the Transportation Service Provider's tariff, if any.

The releasing shipper may specify another method in the special terms and conditions, but the capacity release offer may not be processed within the capacity release timeline pursuant to NAESB WGQ Standard No. 5.3.2.

Proposed WGQ Standard No. 5.3.x2a (Redline 01/10/2008)

For index-based capacity release transactions, the capacity release facilitator should support a ~~R~~Rate ~~F~~Floor to be specified by the releasing shipper in the capacity release offer.

Proposed WGQ Standard No. 5.3.x2a (Clean)

For index-based capacity release transactions, the capacity release facilitator should support a Rate Floor to be specified by the releasing shipper in the capacity release offer.

Proposed WGQ Standard No. 5.3.x3 (discussion to follow - refer to Docket No. RP04-327 ANR 06/08/2004) (Redline 01/10/2008)

For monthly reservation index-based capacity release transactions or volumetric index-based capacity release transactions, where the result of the award is to be applied on a monthly basis, if the formula detailed in the capacity release award requires calculations on a daily basis, then unless otherwise specified in the TSP's tariff, while the results of such daily calculations may exceed the applicable daily maximum rate or be less than the applicable minimum rate as calculated pursuant to NAESB WGQ Standard No. 5.3.22, nevertheless any resulting monthly reservation rate may not exceed the applicable maximum monthly reservation rate or be less than the applicable minimum monthly reservation rate.

Proposed WGQ Standard No. 5.3.x3

For monthly reservation index-based capacity release transactions or volumetric index-based capacity release transactions, where the result of the award is to be applied on a monthly basis, if the formula detailed in the capacity release award requires calculations on a daily basis, then unless otherwise specified in the TSP's tariff, while the results of such daily calculations may exceed the applicable daily maximum rate or be less than the applicable minimum rate as calculated pursuant to NAESB WGQ Standard No. 5.3.22, nevertheless any resulting monthly reservation rate may not exceed the applicable maximum monthly reservation rate or be less than the applicable minimum monthly reservation rate.

Proposed WGQ Standard No. 5.3.x4 (~~still in discussion, already FERC policy~~) (Redline 01/10/2008)

For volumetric index-based capacity release transactions where the result of the formula detailed in the capacity release ~~offer~~award is to be applied on a daily basis and it exceeds the applicable daily maximum rate or is less than the applicable minimum rate as calculated pursuant to NAESB WGQ Standard No. 5.3.22, the capacity release credit and corresponding charge calculated for that day may not exceed the result of a calculation using the applicable maximum daily reservation rate or be less than the result of a calculation using the applicable minimum daily reservation rate, respectively.

Proposed WGQ Standard No. 5.3.x4 (Clean)

For volumetric index-based capacity release transactions where the result of the formula detailed in the capacity release award is to be applied on a daily basis and it exceeds the applicable daily maximum rate or is less than the applicable minimum rate as calculated pursuant to NAESB WGQ Standard No. 5.3.22, the capacity release credit and corresponding charge calculated for that day may not exceed the result of a calculation using the applicable maximum daily reservation rate or be less than the result of a calculation using the applicable minimum daily reservation rate, respectively.

~~Proposed WGQ Standard 5.3.x5 (still under discussion)~~

~~For index-based capacity release transactions where it is plainly apparent to the TSP that the bid(s) based upon the formula detailed in the capacity release offer exceeds will exceed the applicable maximum rate or is be below the applicable minimum rate, such bid(s) should be considered to be at the applicable maximum rate or the applicable minimum rate, as appropriate.~~

Proposed WGQ Standard No. 5.3.x6 (still under discussion) (Redline 01/10/2008)

A Transportation Service Provider (TSP) should support at least two index references for index-based capacity release transactions, posting the identity of such references on its Informational Postings Web site. In consultation with releasing shippers, such references should be reviewed annually by the TSP and updated (index references added or removed), if necessary.

Releasing shippers wishing to use index rates not supported by the TSP will be responsible for providing the TSP with a subscription(s) to the non-supported index reference such that the TSP is adequately licensed to fulfill its business responsibilities associated with the index-based capacity release transaction. Such non-supported index reference will then be supported by the TSP for index-based capacity release transactions for other releasing shippers for the purpose of making offers for the ~~become available to all parties for the~~ duration of the subscription and will be considered for ongoing TSP support in the next annual review.

As an alternative to providing the TSP with a subscription(s) to non-supported index references, the releasing shipper may make other arrangements with the TSP pursuant to NAESB WGQ Standard No. 5.3.x7.

Proposed WGQ Standard No. 5.3.x6 (Clean)

A Transportation Service Provider (TSP) should support at least two index references for index-based capacity release transactions, posting the identity of such references on its Informational Postings Web site. In consultation with releasing shippers, such references should be reviewed annually by the TSP and updated (index references added or removed), if necessary.

Releasing shippers wishing to use index rates not supported by the TSP will be responsible for providing the TSP with a subscription(s) to the non-supported index reference such that the TSP is adequately licensed to fulfill its business responsibilities associated with the index-based capacity release transaction. Such non-supported index reference will then be supported by the TSP for index-based capacity release transactions for other releasing shippers for the purpose of making offers for the duration of the subscription and will be considered for ongoing TSP support in the next annual review.

As an alternative to providing the TSP with a subscription(s) to non-supported index references, the releasing shipper may make other arrangements with the TSP pursuant to NAESB WGQ Standard No. 5.3.x7.

Proposed WGQ Standard No. 5.3.x7 (Redline 01/10/2008)

For index-based capacity release transactions, upon mutual agreement of the releasing shipper and Transportation Service Provider (TSP), the releasing shipper should provide the TSP with the detailed calculation of the amount to be billed to the replacement shipper. A report of this calculation should be provided in a mutually agreed upon format no later than the first business day of the month following the transportation under the release. The results of the releasing shipper's calculations should ~~comport~~ conform to the capacity release award and/or the TSP's minimum and maximum rates, as applicable.

If the report ~~does not meet this criterion,~~ is not provided timely or is deficient, then the TSP will notify the releasing shipper to provide a correct report within two days. Thereafter, in the absence of a conforming report, the TSP will invoice the replacement shipper using the higher of ~~a~~ the Default Rate specified in the capacity release offer or the TSP's applicable minimum reservation rate. Invoiced amounts can be revised subsequently, upward or downward, to conform with the capacity release award, subject to the standards governing prior period adjustments within NAESB's Invoicing Related Standards, upon notification to the TSP by the releasing or replacement shipper that such adjustments are appropriate. No adjustments will be processed without mutual agreement between the releasing and replacement shippers.

Except as provided above, the TSP should invoice the replacement shipper the reservation rate amounts indicated on this report and, upon a request, should provide this report to the replacement shipper.

Proposed WGQ Standard No. 5.3.x7 (Clean)

For index-based capacity release transactions, upon mutual agreement of the releasing shipper and Transportation Service Provider (TSP), the releasing shipper should provide the TSP with the detailed calculation of the amount to be billed to the replacement shipper. A report of this calculation should be provided in a mutually agreed upon format no later than the first business day of the month following the transportation under the release. The results of the releasing shipper's calculations should conform to the capacity release award and/or the TSP's minimum and maximum rates, as applicable.

If the report is not provided timely or is deficient, then the TSP will notify the releasing shipper to provide a correct report within two days. Thereafter, in the absence of a conforming report, the TSP will invoice the replacement shipper using the higher of the Default Rate specified in the capacity release offer or the TSP's applicable minimum reservation rate. Invoiced amounts can be revised subsequently, upward or downward, to conform to the capacity release award, subject to the standards governing prior period adjustments within NAESB's Invoicing Related Standards, upon notification to the TSP by the releasing or replacement shipper that such adjustments are appropriate. No adjustments will be processed without mutual agreement between the releasing and replacement shippers.

Except as provided above, the TSP should invoice the replacement shipper the reservation rate amounts indicated on this report and, upon a request, should provide this report to the replacement shipper.

Proposed standard (5.3.x8)

For invoicing index-based capacity release transactions, the Rate Floor should be substituted for the formula-based rate when the calculated formula results in a rate less than the Rate Floor.

Proposed WGQ Standard No. 5.3.x8 (Redline)

For index-based capacity release transactions, the rate to be used in the invoice should be the greater of:

- the results of the calculation of the formula from the award, or
- the Rate Floor as specified in the award.

Proposed WGQ Standard No. 5.3.x8 (Clean)

For index-based capacity release transactions, the rate to be used in the invoice should be the greater of:

- the results of the calculation of the formula from the award, or
- the Rate Floor as specified in the award.

Proposed WGQ Standard No. 5.3.x9 (Redline 01/10/2008)

For index-based capacity release transactions, a Transportation Service Provider should support the ability of a releasing shipper to specify in the capacity release offer a non-biddable Default Rate. A Default Rate cannot be less than a Rate Floor, if any. ~~Amounts invoiced at a non-biddable Default Rate can be revised subsequently, upward or downward, to conform with the capacity release award, subject to the standards governing prior period adjustments within NAESB's Invoicing Related Standards.~~

Proposed WGQ Standard No. 5.3.x9 (Clean)

For index-based capacity release transactions, a Transportation Service Provider should support the ability of a releasing shipper to specify in the capacity release offer a non-biddable Default Rate. A Default Rate cannot be less than a Rate Floor, if any.

Proposed WGQ Standard No. 5.3.x11 (Redline 01/10/2008)

For index-based capacity release transactions, where the releasing shipper performs billing calculations pursuant to NAESB WGQ Standard No. 5.3.x7, for volumetric index-based capacity releases, the Transportation Service Provider (TSP) should provide final allocations to the releasing shipper no later than three Business Days prior to the TSP's invoicing date. The releasing shipper should also provide the results of the billing calculation to the TSP no later than one Business Day prior to the TSP's invoicing date.

Proposed WGQ Standard No. 5.3.x11 (Clean)

For index-based capacity release transactions, where the releasing shipper performs billing calculations pursuant to NAESB WGQ Standard No. 5.3.x7, for volumetric index-based capacity releases, the Transportation Service Provider (TSP) should provide final allocations to the releasing shipper no later than three Business Days prior to the TSP's invoicing date. The releasing shipper should also provide the results of the billing calculation to the TSP no later than one Business Day prior to the TSP's invoicing date.

The following Nomination Related Standard was approved by the NAESB WGQ Business Practices Order 698 Subcommittee on January 9, 2008 for Recommendation – 2007 WGQ Annual Plan Item 7b

Nomination Related Standards (Clean)

Proposed Standard 1.3.x1: To the extent the Transportation Service Provider's (TSP) other scheduling requirements are met, a TSP should support the ability of a Service Requester to redirect scheduled quantities to other receipt points upstream of a constraint point or delivery points downstream of a constraint point at any of the TSP's subsequent nomination cycle(s) for the subject gas day, at least under the same contract, without a requirement that the quantities be rescheduled through the point of constraint.

Nomination Related Standards (Redline 01/09/2008)

Proposed Standard 1.3.x1: To the extent the Transportation Service Provider's (TSP) other scheduling requirements are met, a TSP should support the ability of a Service Requester to redirect scheduled quantities to other receipt points upstream of a constraint point or delivery points downstream of a constraint point at any of the TSP's subsequent nomination cycle(s) for the subject gas day, at least under the same contract, without a ~~the~~ requirement that the quantities ~~to~~ be rescheduled through the point of constraint.

Proposed Intraday Timeline

Nomination Cycle	Nomination Deadline	Confirmation Deadline	Scheduled Quantity Available By	Flow Time
Timely (Cycle 1)	11:30 a.m. the day before the gas flows	1:30 p.m. the day before the gas flows	2:30 p.m. the day before the gas flows	9:00 a.m.
Evening (Cycle 2)	6:00 p.m. the day before the gas flows	8:00 p.m. the day before the gas flows	9:00 p.m. the day before the gas flows	9:00 a.m.
Intraday 1 (Cycle 3)	9:00 a.m. the gas day	11:00 a.m. the gas day	12:00 p.m. the gas day	3:00 p.m.
Intraday 2 (Cycle 4)	4:00 p.m. the gas day	6:00 p.m. the gas day	7:00 p.m. the gas day	7:00 p.m.
Intraday 3 (Cycle 5) No Bump	8:00 p.m. the gas day	9:30 p.m. the gas day	10:00 p.m. the gas day	10:00 p.m.
Intraday 4 (Cycle 6) No Bump	5:00 a.m. the gas day (EDI is not available for this cycle)	6:30 a.m. the gas day	7:00 a.m. the gas day	7:00 a.m.

RED denotes new or changed

Details of Intraday Timeline

	Timely Cycle 1	Evening Cycle 2	Intraday 1 Cycle 3	Intraday 2 Cycle 4	Intraday 3 Cycle 5 (No Bump)	Intraday 4 Cycle 6 (No Bump)
Releasing Shipper Recall Notice	8:00 a.m.	EE 3:00 p.m. E 5:00 p.m.	6:00 a.m.	1:00 p.m.	5:30 p.m.	2:30 a.m.
TSP Recall Notice	9:00 a.m.	EE 4:00 p.m. E 6:00 p.m.	7:00 a.m.	2:00 p.m.	6:30 p.m.	3:30 a.m.
Capacity Release Offer (Pre-Arranged-Non Biddable)	10:30 a.m.	5:00 p.m.	8:00 a.m.	3:00 p.m.	7:00 p.m.	4:00 a.m.
TSP Capacity Release Award (Pre-Arranged-Non Biddable)	11:29 a.m.	5:59 p.m.	8:59 a.m.	3:59 p.m.	7:59 p.m.	4:59 a.m.
Nomination Deadline	11:30 a.m.	6:00 p.m.	9:00 a.m.	4:00 p.m.	8:00 p.m.	5:00 a.m.
Capacity Release Offer (Biddable)	12:00 p.m.	N/A	N/A	N/A	N/A	N/A
Open Season Capacity Bidding Ends	1:00 p.m.	N/A	N/A	N/A	N/A	N/A
Confirmation Deadline	1:30 p.m.	8:00 p.m.	11:00 a.m.	6:00 p.m.	9:30 p.m.	6:30 a.m.
TSP Capacity Release Award (Biddable)	2:00 p.m.	N/A	N/A	N/A	N/A	N/A
Open Season Capacity Match & Award (Biddable)	2:30 p.m.	N/A	N/A	N/A	N/A	N/A
Scheduled Quantity Deadline	2:30 p.m.	9:00 p.m.	12:00 p.m.	7:00 p.m.	10:00 p.m.	7:00 a.m.
Open Season Capacity Match & Award (Pre-Arranged)	3:00 p.m.	N/A	N/A	N/A	N/A	N/A
Flow Time	9:00 a.m.	9:00 a.m.	3:00 p.m.	7:00 p.m.	10:00 p.m.	7:00 a.m.
# of Gas Flow Hours	24 Hours	24 Hours	18 Hours	14 Hours	11 Hours	2 Hours

Deadline All Cycles

2:30 AM	Releasing Shipper Recall Notice for Intraday 4 (Cycle 6) for today's flow.
3:30 AM	Pipeline provide notification of Intraday 4 (Cycle 6) Recall to all affected Replacement Shippers for today's flow.
4:00 AM	Non-Biddable Offer posting for Intraday 4 (Cycle 6) Offer for today's flow.
4:59 AM	Capacity Release Award (Biddable Not Pre-Arranged) for Intraday 4 (Cycle 6)
5:00 AM	Intraday 4 (Cycle 6 -No Bump) Nomination deadline for today's flow. EDI is not available for this cycle.
6:00 AM	Releasing Shipper Recall Notice for Intraday 1 (Cycle 3) for today's flow.
6:30 AM	Confirmation Deadline of Intraday 4 (Cycle 6-No Bump) for today's flow.
7:00 AM	Pipeline provide notification of Intraday 1 (Cycle 3) Recall to all affected Replacement Shippers for today's flow. Receipt of Intraday 4 (Cycle 6-No Bump) Scheduled Quantity and start of Gas Flow for Intraday 4 (Cycle 6-No Bump).
8:00 AM	Timely (Cycle 1) Recall Notification provided by a Releasing Shipper & reput deadline for tomorrow's flow. Capacity Release (Non-Biddable Offer) posting for Intraday 1 (Cycle 3) for today's flow.
8:59 AM	Capacity Release Award, Posting & Contracting of (Pre-arranged Non Biddable) for Intraday1 (Cycle 3)
9:00 AM	Start of Gas Flow (Timely - Cycle 1). Pipeline notification of Timely Recall to all affected Replacement Shippers for tomorrow's flow. Start of Gas Flow (Evening - Cycle 2). Intraday 1 (Cycle 3) Nomination deadline for today's flow.
10:30 AM	Capacity Release (Non-Biddable Offer) posting for Timely (cycle 1) Offer for tomorrow's flow.
11:00 AM	Confirmation Deadline of Intraday 1 (Cycle 3) for today's flow.
11:29 A.M.	Capacity Release Award, Posting & Contracting (Pre-arranged Non-biddable) for Timely (Cycle 1)
11:30 AM	Timely (Cycle 1) Nomination deadline for tomorrow's flow.
12:00 PM	Capacity Release Offer (Biddable) due for Timely (Cycle 1) effective 2 days out. Receipt of Intraday 1 (Cycle 3) Scheduled Quantity for today's flow.
1:00 PM	Capacity Release Open Season Bidding Period Ends Releasing Shipper Recall Notice for Intraday 2 (Cycle 4) for today's flow.
1:30 PM	Confirmation Deadline of Timely (Cycle 1) for tomorrow's flow.
2:00 PM	Capacity Release Award Posting if no match (Biddable) Pipeline notification of Intraday 2 (Cycle 4) Recall to all affected Replacement Shippers for today's flow.
2:30 PM	Open Season Capacity (biddable) deadline to Match Receipt of Timely (Cycle 1) Scheduled quantity for tomorrow's flow.

3:00 PM	Open Season Capacity Award & Posting (Prearranged) when match reqd for Offer.
	Non-Biddable Offer posting for Intraday 2 (Cycle 4) Offer for today's flow.
	Early Evening Recall Notification provided by a Releasing Shipper for tomorrow's flow.
	Start of Gas Flow for Intraday 1 (Cycle 3).
3:59 PM	Capacity Release Award/posting & Contracting (Pre-arranged Non-biddable) for Intraday 2 (Cycle 4)
	Pipeline provides notification of Evening Recall to all affected Replacement Shippers (from Early Evening
4:00 PM	Notification) for tomorrow's flow.
	Intraday 2 (Cycle 4) Nomination deadline for today's flow.
5:00 PM	Non-Biddable Offer posting for Evening (Cycle 2) Offer for tomorrow's flow.
5:30 PM	Releasing Shipper Recall Notice for Intraday 3 (Cycle 5) for today's flow.
5:59 PM	Capacity Release Award/Posting & Contracting (Pre-Arranged Non-Biddable) for Evening (Cycle 2)
6:00PM	Evening (Cycle 2) Nomination deadline for tomorrow's flow.
	Pipeline provide notification of Evening (Cycle 2) Recall to all affected Replacement Shippers for tomorrow's flow.
	Confirmation Deadline of Intraday 2 (Cycle 4) for today's flow.
6:30PM	Pipeline provide notification of Intraday 3 (Cycle 5) Recall to all affected Replacement Shippers for today's flow.
7:00 PM	Receipt of Intraday 2 (Cycle 4) Scheduled quantities and start of Gas Flow for Intraday 2 (Cycle 4).
	Non-Biddable Offer posting for Intraday 3 (Cycle 5) Offer for today's flow.
7:59 PM	Capacity Release Award, Posting & Contracting (Pre-Arranged Non-Biddable) for Intraday 3 (Cycle 5)
8:00 PM	Confirmation Deadline of Evening (Cycle 2) for tomorrow's flow.
	Intraday 3 (Cycle 5-No Bump) Nomination deadline for today's flow.
9:00 PM	Receipt of Evening (Cycle 2) Scheduled quantities for tomorrow's flow.
9:30 PM	Confirmation Deadline of ID3 (cycle 5--No Bump) for today's flow.
10:00 PM	Receipt of Intraday 3 (Cycle 5-No Bump) Scheduled quantities and start of Gas Flow for Intraday 5 (Cycle 5)
Color code:	Timely
	Evening (Cycle 2)
	ID1 (Cycle 3)
	ID2 (Cycle 4)
	ID3 (Cycle 5)
	ID4 (Cycle 6)
EPKQ/ EPSQ: Not updated	Timely - Cycle 1 is not effected as it occurs prior to the start of gas day flow.
	Evening - Cycle 2 is not effected as it occurs prior to the start of gas day flow.
	Intraday 1 (Cycle 3) contract/scheduled quantity may only be reduced by 2/3.
	Intraday 2 (Cycle 4) contract/scheduled quantity may only be reduced by 1/2.



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NORTH AMERICAN ENERGY STANDARDS BOARD 2008 WGQ Annual Plan Adopted by the NAESB Board of Directors on December 13, 2007

Item Description	Completion ¹	Assignment ²
Damage Reporting for Natural Gas Pipeline Facilities		
1 Review and develop standards as appropriate to support posting of information as noted in Docket No. RM06-18-000, Order No. 682 and Docket No. RM06-18-001, Order No. 682-A . Review transmission line damage reporting to identify commonality and apply as appropriate. Status: Not Started.	4 th Q 2008	BPS
Electronic Delivery Mechanisms and Related Activities		
2 Develop or amend WGQ technical standards, as appropriate, to address to the DoE Sandia National Laboratories 2006 surety assessment findings and recommendations. Status: Underway.	1st Q, 2008	BPS/EDM
Contracts Activities		
3 Update ISDA Gas Annex to correspond to the updated NAESB Base Contract for Sale and Purchase of Sale of Natural Gas, dated September 5, 2006. Status: Underway.	1 st Q, 2008	Contracts
Gas-Electric Interdependency		
4 Respond to directives of FERC Order No. 698 issued 6-25-07 , Docket Nos. RM05-5-001 and RM96-1-027 as related to the NAESB reports submitted in Docket No. RM05-28-000 : a. ¶ 56 of Order No. 698: "... Under the Commission regulations, the releasing shipper is responsible for clearly setting out the terms and conditions of the release and that would include the means for implementing the formula rate. <u>This is also an issue on which NAESB can develop standards to ensure that such releases can be processed quickly and efficiently.</u> " (emphasis added) i.) Develop business practice standards to address the threshold questions of ¶ 56 of Order No. 698: 2 nd Q, 2008 BPS Status: Underway. ii.) Prepare fully staffed recommendation TBD BPS Status: Not started, dependent upon conclusion of Item 5(a)(i) and review and consideration of item 5(a)(i) by the WGQ EC. b. ¶ 63 of Order No. 698: "The Commission is not modifying its requirement for within-the-path scheduling as adopted in Order No. 637. The example posited by NAESB appears consistent with the within-the-path scheduling concept and with pipeline proposals that have been accepted. It would not be appropriate for the Commission here to try to provide generic clarification to cover all possible proposals by pipelines for according flexibility to shippers. These proposals will have to be judged on an individual basis. In addition, <u>NAESB can consider through its consensus process possible standards for according increased receipt and delivery point flexibility.</u> "(emphasis added)		



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	Item Description	Completion ¹	Assignment ²
i.)	Develop business practice standards to address the threshold questions of ¶ 63 of Order No. 698: Status: Underway.	2 nd Q, 2008	BPS
ii.)	Prepare fully staffed recommendation Status: Not started, dependent upon conclusion of Item 5(b)(i) and review and consideration of item 5(b)(i) by the WGQ EC.	TBD	BPS
c.	¶ 69 of Order No. 698: “As we stated in the NOPR, the Commission has recognized the interest of interruptible shippers in achieving business certainty by making the last intra-day nomination opportunity one in which firm nominations do not bump interruptible nominations. <u>However, within the confines of current Commission policy, NAESB should actively consider whether changes to existing intra-day schedules would benefit all shippers, and provide better provide for coordination between gas and electric scheduling.</u> In addition, the NAESB nomination timeline establishes only the minimum requirement to which pipelines must adhere...”(emphasis added)		
i.)	Develop business practice standards to address the threshold questions of ¶ 69 of Order No. 698: Status: Underway.	3 rd Q, 2008	BPS
ii.)	Prepare fully staffed recommendation Status: Not started, dependent upon conclusion of Item 5(c)(i) and review and consideration of item 5(c)(i) by the WGQ EC.	TBD	BPS
Capacity Release			
5	Review capacity release transactions upload and related responses to determine suitability for EDI. Status: Not started, action pending submittal of request and process for request assignment.	3 rd Q, 2008	BPS
Review and develop business practices standards to support e-Tariff program			
6	Develop business practices as needed to support the e-Tariff program including submittal of tariffs and metadata. (Docket No RM05-1-000) Status: Underway.	1st Q, 2008	Joint WEQ/WGQ e-Tariff
Customer Security Administration			
7	Review and develop standards as appropriate to support Customer Security Administration Standards (Comment Submittal, 10-29-07) Status: Not started, action pending submittal of request and process for request assignment.	TBD	TBD



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NORTH AMERICAN ENERGY STANDARDS BOARD

2008 WGQ Annual Plan to be Presented to the NAESB Board of Directors on December 13 , 2007 For Approval

Item Description	Completion	Assignment
Program of Standards Maintenance & Fully Staffed Standards Work		
Business Practice Requests	Ongoing	Assigned by the EC ³
Continue review against plan for migration to ANSI ASC X12 new versions as needed and coordinate such activities with DISA.	Ongoing	ANSI X12 Subcommittee
Information Requirements and Technical Mapping of Business Practices	Ongoing	Assigned by the EC ⁴
Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC ⁴
Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC ⁴
Provisional Activities		
Respond to requests as received that are related to Docket No. AD06-11-000 (Market Transparency Reporting).		

- Notes: (a) Priority is given to action items that are carry-overs from the 2007 Annual Plan.
 (b) Any new activity should be preceded by a request from the submitter after which the annual plan will be revisited. The provisional items would only be addressed after a request is submitted or an order is issued by the FERC.

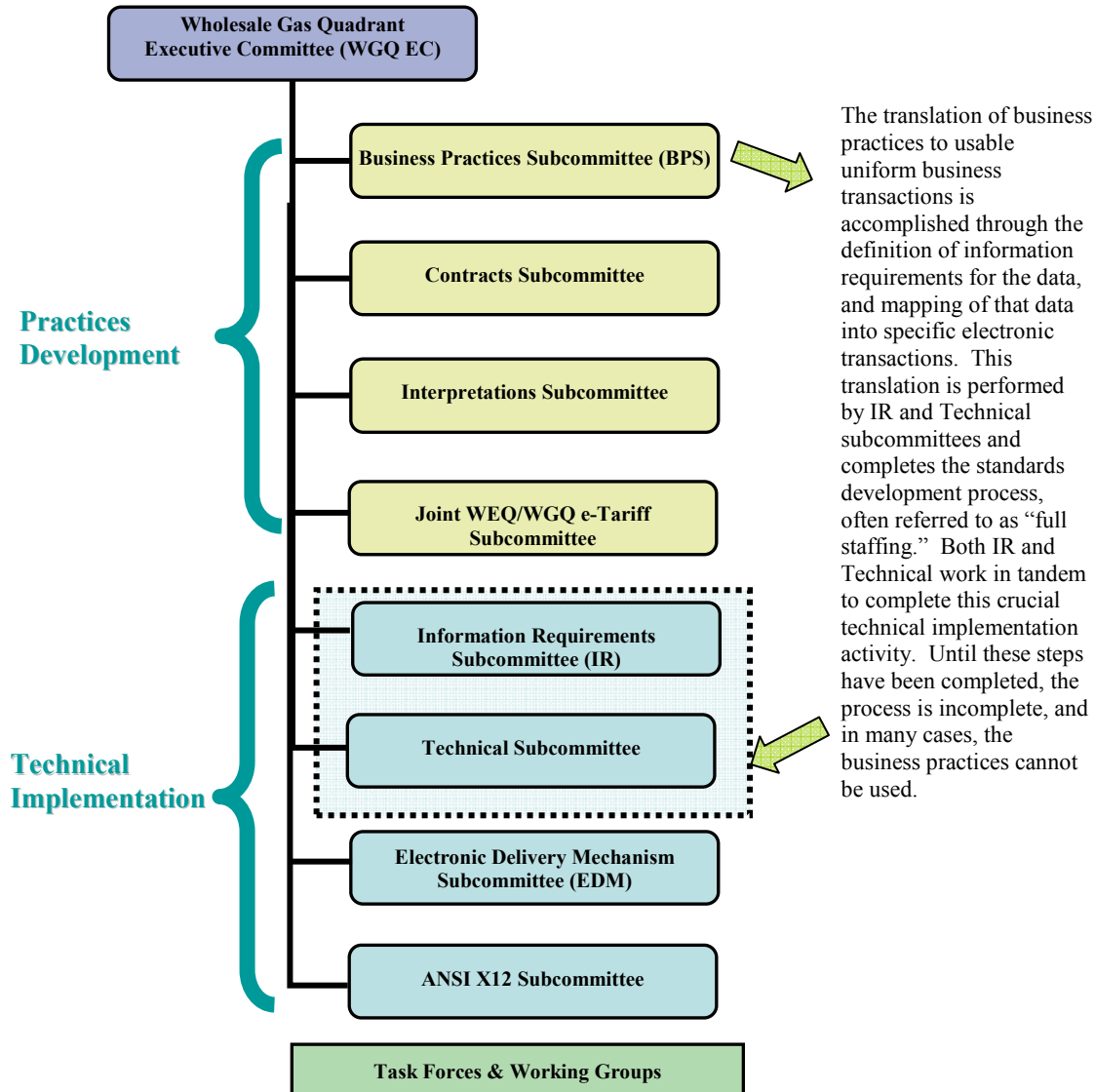


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NAESB 2008 WGQ EC and Subcommittee Leadership:

Executive Committee: Jim Buccigross, Chair and Mike Novak, Vice-Chair

Business Practices Subcommittee: Kim Van Pelt, Valerie Crockett, Dolores Chezar and Richard Smith

Information Requirements Subcommittee: Dale Davis

Technical Subcommittee: Kim Van Pelt

Contracts Subcommittee: Keith Sappenfield

Electronic Delivery Mechanism Subcommittee: Leigh Spangler, Christopher Burden

Interpretations Subcommittee: Paul Love

Joint WEQ/WGQ e-Tariff Subcommittee: Keith Sappenfield, Jane Daly



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End Notes WGQ 2008 Annual Plan:

¹ Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

² The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

³ The EC assigns maintenance of existing standards on a request-by-request basis.



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NORTH AMERICAN ENERGY STANDARDS BOARD
2008 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS
Adopted by the NAESB Board of Directors on December 13, 2007

Item Number & Description¹	Completion²	Assignment³
1 Electronic Retail Billing. Develop Technical Electronic Implementation Standards – Electronic Retail Billing Status: Underway	1 st Q 2008	TEIS
2 Customer Enrollment, Drop and Account Information Change		
a. Develop information requirements for submitting and receiving, processing and fulfilling a customer's request to enroll with or leave a supplier (including suppliers dropping customers) and for maintaining current customer account information, and for notifying affected parties. Status: Underway	1 st Q, 2008	IR
b. Develop Technical Electronic Implementation Standards – Customer Enrollment, Drop and Account Information Change, Status: Underway	2 nd Q 2008	TEIS
3 Customer Enrollment, Drop and Account Information Change Using a Registration Agent Develop practices when using a Registration Agent for submitting and receiving, processing and fulfilling a Customer's request to enroll with or leave a Supplier (including Suppliers dropping Customers) and for maintaining current Customer account information, and for notifying affected parties.		
i) Customer Enrollment Status: Projected to be completed 4 th Q 2007	4 th Q 2007 ¹	Texas Task Force/ BPS
ii) Customer Drop Status: Underway	1 st Q 2008	Texas Task Force/ BPS
iii) Account Information Change Status: Not Started	2 nd Q 2008	Texas Task Force/ BPS
4 Review and Discuss application of any other existing model business practices for the Registration Agent model	3 rd Q 2008	BPS
5 Customer Inquiries Develop procedures for responding to customer inquiries directed to Distributors and/or Suppliers and for notification of the other party. Status: Not Started. Delayed to 2008 for completion because the registration agent model is separate from customer enrollments.	4 th Q 2008	BPS
6 Develop NAESB Certification checklist criteria for Retail Quadrants to be used in the NAESB Certification Program. Status: Not Started. Dependent upon publication of Version 1.1 at a minimum, but more dependent upon completion of Customer Choice efforts.	2009	TEIS



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NORTH AMERICAN ENERGY STANDARDS BOARD
2008 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS
Adopted by the NAESB Board of Directors on December 13, 2007

Item Number & Description ¹	Completion ²	Assignment ³
7 Address issues raised in the Department of Energy's Sandia National Laboratories on NAESB technical standards and respond to the surety assessment findings and recommendations. Status: Underway	1 st Q 2008	TEIS
8 Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program. Status: Underway	2008	Joint WEQ/Retail DSM Subcommittee
a. Develop matrix and business practice standards for measurement and verification for demand response programs in ISO/RTO footprint areas. Status: Underway	3 rd Q, 2008	Joint WEQ/Retail DSM Subcommittee
b. Develop matrix and business practice standards for measurement and verification for demand response programs in non-ISO/RTO footprint areas. Status: Underway	3 rd Q, 2008	Joint WEQ/Retail DSM Subcommittee
c. Develop preamble for business practice standards for measurement and verification for demand response and energy efficiency programs. Status: Underway	4 th Q, 2008	Joint WEQ/Retail DSM Subcommittee
d. Develop glossary for business practice standards Status: Underway	4 th Q, 2008	Joint WEQ/Retail DSM Subcommittee
e. Support retail development of matrix and model business practice standards for measurement and verification for demand response programs Status: Underway	4 th Q, 2008	Joint WEQ/Retail DSM Subcommittee
f. Develop business practice standards to measure and verify energy reductions that are made to comply with a Renewable Portfolio Standard that included energy efficiency or a stand-alone Energy Efficiency Portfolio Standard. Status: Not Started	Phase 2	Joint WEQ/Retail DSM Subcommittee
g. Develop business practice standards to factor Demand Control and Energy Efficiency programs into reliability / supply decisions at the wholesale level for generation and transmission planning and operations. Status: Not Started.	Phase 2	Joint WEQ/Retail DSM Subcommittee
h. Develop business practice standards to support cap and trade programs for green house gas. Status: Not Started.	Phase 2	Joint WEQ/Retail DSM Subcommittee



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**NORTH AMERICAN ENERGY STANDARDS BOARD
 2008 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS
 Adopted by the NAESB Board of Directors on December 13, 2007**

Item Number & Description ¹	Completion ²	Assignment ³
Program of Standards Maintenance & Fully Staffed Standards Work⁴		
Business Practice Requests	Ongoing	Assigned by the EC
Information Requirements and Technical Mapping of Business Practices	Ongoing	Assigned by the EC
Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC
Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC
Ongoing Development and Maintenance of Definitions	Ongoing	Glossary

Provisional Activities

Joint Effort:

Supplier Certification: Develop practices for Distribution Companies to register/certify new Suppliers when they seek to begin doing business in the Distribution Company's service area.

Modify TPA as necessary.

Review security standards as may be deemed necessary, such as Public Key Infrastructure (PKI).

Review existing body of model business practices for consistency and develop or modify model business practices as needed.

Retail Electric Quadrant Effort Only:

Retail Meter Data Validation, Editing & Estimating: Develop procedures for insuring the integrity and validity of retail customer metering data that is needed by utilities and suppliers for billing, etc. Issues related to unbundled or competitive metering are not to be considered.

Settlement Process: Reconcile energy schedules and energy delivered by suppliers within a given market. Note: will need to be coordinated with the WEQ for the REQ.

Retail Gas Quadrant Effort Only:

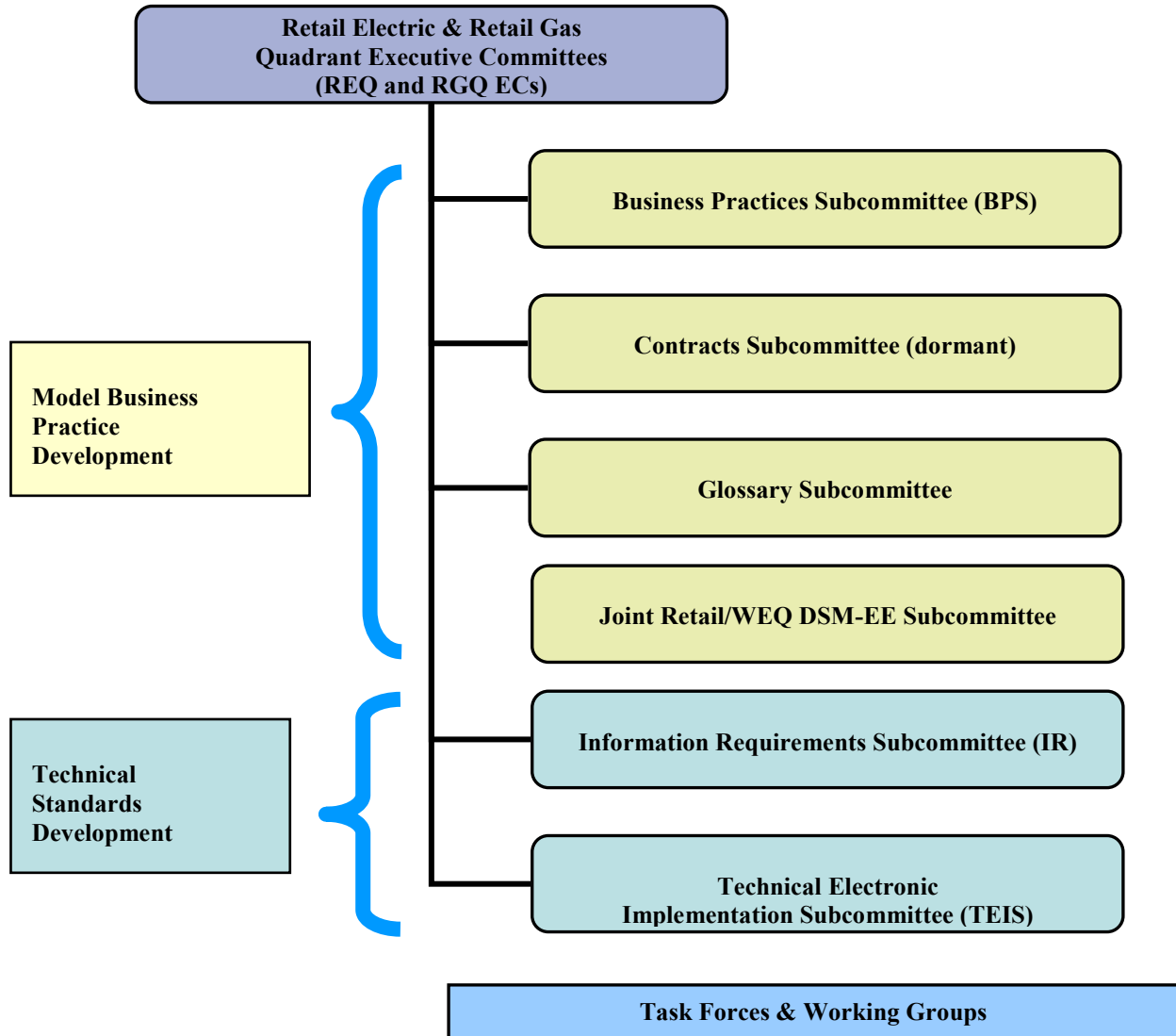
Examine Wholesale Gas Quadrant Non-EDM Standards for applicability to retail business practices.

Settlement Process: Reconcile energy schedules and energy delivered by suppliers within a given market.



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NAESB Retail Subcommittee Leadership: ⁵

Executive Committee: Mike Novak, Chair (RGQ), Ruth Kiselewich, Chair (REQ)
 Business Practices Subcommittee: Phil Precht (RGQ), Mary Edwards and Dan Jones (REQ)
 Information Requirements Subcommittee: Jennifer Teel (REQ)
 Technical Electronic Implementation Subcommittee: Dan Rothfuss (RGQ)
 Glossary Subcommittee: Don Sytsma (RGQ), Mary Edwards and Patrick Eynon (REQ)
 DSM-EE Subcommittee: Ruth Kiselewich, David Koogler (REQ), Roy True (WEQ), Paul Wattles (WEQ)



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End Notes Retail Plan:

¹ As outlined in the NAESB Bylaws, the REQ and RGQ will also address requests submitted by members and assigned to the REQ and RGQ through the Triage Process.

² Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

³ The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

⁴ This work is considered routine maintenance and thus the items are not separately numbered. The REQ and RGQ ECs will assign maintenance efforts on a request-by-request basis.

⁵ The ECs and the subcommittees can create task forces and working groups to support their development activities for development of model business practices and technical standards.

NAESB Bulletin



December 2007- February 2008 Volume 1, Issue 2

[2007 Retail Annual Plan](#)

[2007 WEQ Annual Plan](#)

[2007 WGO Annual Plan](#)

[NAESB Board of Directors](#)

[NAESB Executive Committee
Members](#)

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2007 Calendar :

December 2007

12/12 - WGQ Technical Meeting (Houston, TX)
12/12 - WEQ Leadership Meeting (Houston, TX)
12/12 - Retail Leadership Meeting (Houston, TX)
12/13 - NAESB Board Resources Meeting (Houston, TX)
12/13 - NAESB Board of Directors Meeting (Houston, TX)
12/17 - WEQ ESS/ITS/BPS Conf. Call
12/18 - WEQ ESS/ITS Conf. Call
12/24-25 - NAESB Office Closed - Holiday

2008 Calendar :

January 2008

01/07 - WEQ SRS Conf. Call
01/08 - Joint Retail IR/TEIS Conf. Call
01/09-10 - WGQ BPS Order 698 Meeting (Houston, TX)
01/15 - WGQ IR Meeting (Salt Lake City, UT)
01/15-16 - WEQ ESS/ITS Meeting (Carmel, IN)
01/15-16 - Retail BPS Meeting (Houston, TX)
01/16-17 - WEQ ESS/ITS/BPS Meeting (Carmel, IN)
01/16-17 - WGQ Technical Meeting (Salt Lake City, UT)
01/23-25 - NAESB eTariff Meeting (Colorado Springs, CO)
01/23 - NAESB Demand Side Management and Energy
Efficiency Meeting (Baltimore, MD)
01/28 - WEQ ESS/ITS/BPS Conf. Call
01/29-30 - Joint NERC TLR and NAESB WEQ BPS Meeting
(Houston, TX)
01/31 - WEQ ESS/ITS Conf. Call

February 2008

02/05 - WEQ Executive Committee Meeting (Location TBD)
02/06 - WGQ Technical Meeting (Houston, TX)
02/06 - Retail Executive Committee Meeting (Location TBD)
02/07 - WGQ Executive Committee Meeting (Location TBD)
02/08 - WGQ IR Meeting (Houston, TX)
02/11-12 - WEQ ESS/ITS Meeting (Location TBD)
02/13 - WEQ ESS/ITS/BPS Meeting (Location TBD)
02/16 - NAESB Advisory Council Meeting
(Washington, DC)
02/23-24 - WEQ JISWG Meeting (West Palm Beach, FL)
02/27 - Retail BPS Conf. Call
02/27-28 - WGQ BPS Order 698 Meeting (Houston, TX)

STANDARDS DEVELOPMENT

eTariff (WEQ and WGO): The initial meeting was held on February 1, 2006 at the FERC, opened by Chairman Kelliher. Proposals from INGAA, EEI, AOPL and Texas Intrastate Association were given, along with a review by FERC staff of requirements to be met for an eTariff program. Since that initial meeting, several others have been held and a consensus in nearing completion of the web portal for electronically filing tariffs, the XML schema for metadata requirements, and the technical implementation guide. NAESB standards should address three areas – the metadata to accompany the electronic filing, the definitions of the metadata, and the mode of filing. The subcommittee work will complete in February, and once we complete the standards development and submit to FERC, we expect that a new NOPR will be issued. The next eTariff meeting is scheduled for January 23-25 in Colorado Springs, CO which is planned to be the final subcommittee meeting to sign off on the recommendations. [[eTariff Update](#)]

Order 890 and OATT Reform (WEQ): A working session was held to review the OATT NOPR and prepare analysis for the basis for NAESB comments to the FERC on August 7, 2006. The [comments](#) were filed on August 7, 2006. Similarly, NAESB provided [comments](#) to the FERC regarding the October 12 Technical Conference on OATT Reform on November 12, 2007. The Commission issued the final rule, Order 890, on [February 16, 2007](#). NAESB filed a status report on its plans on [June 13, 2007](#), which is [updated](#) as each subcommittee meets to perform its assigned tasks. The task list has been modified to show dependencies with NERC for ATC related items as is available on the [NAESB web site](#). The FERC has granted an extension on ATC related activities to May 9, 2008 for NERC, and subsequent extension to NAESB for NERC dependent items to August 7, 2008. [[FERC Order](#)], [[Order 890 Update](#)]

DSM-EE Activities: The first meeting of the group was held on April 11 – at which time the scope of the first phase was identified to focus on measurement and verification standards as related to energy quantity savings and peak load quantity reductions. Since that meeting, five others have been held to create a task list and identify volunteers and resource documents and refine the task lists and set deliverable dates. On November 30, further discussion was held on the tasks and work papers submitted. When reviewing the comments it was determined to focus in five areas specific to demand response programs, and develop business practice standards that would prove helpful – (1) DR programs administered by ISOs and RTOS in the wholesale markets, (2) DR programs administered by utilities in wholesale markets, (3) DR programs administered by utilities in the retail markets, (4) a glossary to support the DR programs, and (5) a preamble to put the business practice standards in context. To focus on the DR programs, task forces will develop matrices for each of the three markets (wholesale, wholesale ISO, and retail) that describe the aspects of the DR programs in effect today, planned, or were in effect in the past. The next meeting is scheduled for January 23 hosted by Baltimore Gas and Electric in Baltimore, MD. [[DSM Update](#)]

Annual Planning 2008: The 2008 annual planning process is well underway and should conclude at the December 13 Board meeting, where it is expected that all three plans (wholesale gas, wholesale electric, and retail) will be approved. [[Annual Plans 2008](#)]

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ELECTIONS

Please note we are in the process of identifying candidates for open Board and Executive Committee seats. If you are interested please contact the NAESB office.

Click on any underlined text and you can access more detailed reports.

Welcome New Members:

NRG Energy, Inc. - Contact: Jennifer J. Vosburg

Wholesale Electric Quadrant, Marketer/Broker Segment,
NIOU Sub segment

NAESB Membership Total 336

Membership by quadrant is:

127 Wholesale Gas Quadrant

26 Retail Electric Quadrant

26 Retail Gas Quadrant

157 Wholesale Electric Quadrant

Net Membership Growth from 2006: 20 new members

NAESB Certification:

Qualedi, Inc. - Contact: Stephen A. Morocco has completed the NAESB Wholesale Gas Quadrant (WGQ) version 1.7 certification for their Qualedi PowerXchange EDM software.

The [NAESB Certification Program](#) enables companies requesting certification to determine whether their software product or software solution meet specific criteria defined in NAESB standards.

The [NAESB Certification Program - Certified Products](#) is a current list of certified software products and solutions, as well as contact information.

CALENDAR OF ACTION ITEMS

November 19, 2007 - NAESB WEQ Member Ratification of Standards Adopted by the WEQ Executive Committee on November 6, 2007 - 2007 Annual Plan Item 2© - Order 890 modifications to WEQ-001, C07001 Interpretation on WEQ-001-1.2 and 2007 Annual Plan Item 2(ii) Order 890 work plan group 1 - conditional firm, annotations for ATC, Load Forecast and Actual Load, Re-Bid of Partial Service and Pre-confirmation Priority as revised by the WEQ Executive Committee on November 6, 2007 - [Due December 19, 2007](#).

November 20, 2007 - WEQ ESS/ITS Request for Informal Comments on Recommendation – Appendix C – OASIS Exemptions, Attachment to the Recommendation – Draft Appendix C – OASIS Exemptions and Draft for Performance Metrics as required by Group 2 Metrics - [Due December 4, 2007](#).

December 3, 2007 - WEQ ESS/ITS Request for Informal Comments on NAESB Rebid of Partial Service and WEQ-001 890 updates to address Pre-confirmation Priority and other modifications that are needed to be made to WEQ-001 - [Due December 5, 2007](#).

December 5, 2007 - WGQ Contracts Subcommittee Request for Informal Comments on Draft ISDA Gas Annex Form - [Due January 11, 2008](#).

December 10, 2007 - WEQ ESS/ITS/BPS Request for Informal Comments on Recommended Standards to Address ATC-TTC Narratives - [Due December 16, 2007](#).

For updated action items please reference: [Calendar of Action Items](#)

STANDARDS DEVELOPMENT *(continued)*

Gas-Electric Interdependency: The FERC issued FERC Order No. 698, which adopted the gas-electric communication standards and highlighted areas for possible standards development. The WGQ EC met on August 3 to discuss tasks and assignments related to the order, and assigned the effort to the WGQ Business Practices Subcommittee, the work of which can be monitored via the [NAESB web site](#). Since then, the group has met six times, each in 2-day sessions and has focused on three areas: (1) price indexing for capacity release transactions, (2) redirects, (3) intraday nomination timelines. A proposal for redirects is garnering strong industry support as noted in the December meeting. Work is underway on proposals for price indexing and for timelines but the work in these two areas is moving more slowly. The next meeting is scheduled for January 9-10 in Houston, TX. [[Order 698](#)]

FERC Filings: It is planned for NAESB to file version 001 of the WEQ standards with the Commission on December 21 and drafts are now under review. The filing will include version 001 TLR standards, modifications to version 000 to support today's market operations (both for the standards complementary to NERC and for those supportive of OASIS), gas-electric coordination standards already [filed in a separate docket](#), public key infrastructure standards, and a reorganization of the OASIS standards including a implementation guide.

The standards can be accessed from the [NAESB web site](#). The filing also acknowledges the FERC extension of the deadline to August 7, 2008 for ATC standards under development now for Order No. 890 that are complementary to the NERC ATC reliability standards. The filing also notes the dissolution of the Joint Interface Committee, which has been supplanted by the joint development process between NERC and NAESB and the creation and population of the NAESB WEQ Independent Grid Operators and Planners segment.

Gas Quality: As reported in the last bulletin, the WGQ Executive Committee has acted on Request No. R06008 - gas quality standard changes. The recommendation for this request was remanded to the WGQ Business Practices Subcommittee during the December 7, 2007 conference call for further development. A revised recommendation has been processed by the WGQ BPS during December 2006 and January-February 2007. At the May WGQ EC meeting, the EC adopted 3 of the standards proposed. The remaining standards did meet the 67% threshold for EC votes, but they did not meet the 40% segment threshold for one segment – the pipelines, and as such failed. The [ratification of the three standards](#) was completed on August 2. Because NAESB files all proposed standards with the FERC that fail due to a one segment block, it is expected that those failed recommendations will be filed in late December 2007 or early January 2008. [[Gas Quality](#)]