



NORTH AMERICAN ENERGY STANDARDS BOARD

801 Travis, Suite 1675 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067
email: naesb@naesb.org • Web Site Address: www.naesb.org

December 18, 2014
Filed Electronically

The Honorable Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street N.E., Room 1A
Washington, D.C. 20426

RE: NAESB Status Report on the Development of Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Dear Ms. Bose:

The North American Energy Standards Board ("NAESB") voluntarily submits this report to the Federal Energy Regulatory Commission ("FERC" or "Commission") regarding the development of NAESB Wholesale Electric Quadrant ("WEQ") Business Practice Standards that will support and coordinate with the North American Electric Reliability Corporation's ("NERC") Modeling, Data, and Analysis Reliability Standards currently before the Commission for consideration in Docket No. RM14-7-000. To date, the proposed standards will incorporate thirty-four of the NERC requirements proposed for retirement that have been identified by NERC and confirmed by NAESB as commercially relevant. The standards development process is well underway within NAESB and scheduled to be complete by the end of the 2nd Quarter 2015 with any resulting standards submitted to the Commission during the 3rd Quarter 2015. As planned, the standards development process should accommodate NERC's proposed eighteen month implementation plan, and NAESB is committed to working with the Commission and NERC to ensure a seamless implementation for the industry. The information contained in this filing is meant to supplement the comments NAESB submitted to the Commission on August 25, 2014 in the above referenced docket.

The cover letter, report and enclosures are being filed electronically in Adobe Acrobat® Portable Document Format (.pdf), with each enclosure bookmarked separately. The entire filing is also available on the NAESB web site (www.naesb.org). Please feel free to call the office at (713) 356-0060 or refer to the NAESB website (www.naesb.org) should you have any questions or need additional information regarding the standards development effort.

Respectfully submitted,

Rae McQuade

Ms. Rae McQuade
President & COO, North American Energy Standards Board

cc without enclosures: Chairman, Cheryl LaFleur, Federal Energy Regulatory Commission
Commissioner, Tony Clark, Federal Energy Regulatory Commission
Commissioner Philip D. Moeller, Federal Energy Regulatory Commission
Commissioner Norman C. Bay, Federal Energy Regulatory Commission
Commissioner Colette Honorable, Federal Energy Regulatory Commission

December 18, 2014
Page 1

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)
December 18, 2014

Mr. Michael Bardee, Office of Electric Reliability, Federal Energy Regulatory Commission
Mr. David Morenoff, General Counsel of the Commission, Federal Energy Regulatory Commission
Mr. Michael Goldenberg, Senior Attorney, Office of General Counsel, Federal Energy Regulatory Commission
Ms. Jamie L. Simler, Director, Office of Energy Market Regulation, Federal Energy Regulatory Commission
Mr. J. Arnold Quinn, Director, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

Ms. Valerie Crockett, Chairman and CEO, North American Energy Standards Board
Mr. William P. Boswell, General Counsel, North American Energy Standards Board

Mr. Gerry W. Cauley, President and Chief Executive Officer, North American Electric Reliability Corporation
Mr. Mark Lauby, Senior Vice President and Chief Reliability Officer, North American Electric Reliability Corporation
Mr. Charles A. Berardesco, Senior Vice President, General Counsel, and Corporate Secretary, North American Electric Reliability Corporation

Enclosures (all documents and links are available publically on the NAESB website – www.naesb.org)

Appendix A	Matrix of Requirements Addressed by the NAESB Wholesale Electric Quadrant Executive Committee MOD Standard Scoping Task Force
Appendix B	List of NAESB Wholesale Electric Quadrant Executive Committee MOD Standard Scoping Task Force Participants
Appendix C	Links to NAESB WEQ Business Practice Subcommittee (BPS) Meeting Minutes, Comments, Work Papers, and Voting Records
Appendix D	Matrix of Requirements Determined by the NAESB Wholesale Electric Quadrant Business Practices Subcommittee to Not Be Incorporated as NAESB Business Practice Standards
Appendix E	Links to Meeting Notes, Comments, Work Papers, and Voting Records
Appendix F	List of Executive Committee Minutes and Available Transcripts
Appendix G	NAESB Process to Develop and Adopt Standards
Appendix H	NAESB 2014 WEQ Annual Plan
Appendix I	NAESB 2015 WEQ Annual Plan



NORTH AMERICAN ENERGY STANDARDS BOARD

801 Travis, Suite 1675 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067
email: naesb@naesb.org • Web Site Address: www.naesb.org

UNITED STATES OF AMERICA FEDERAL ENERGY REGULATORY COMMISSION

**The Development of NAESB Modeling, Data,
And Analysis Business Practice Standards**

)
)

**Docket No. RM05-5-000
Docket No. RM14-7-000**

The North American Energy Standards Board ("NAESB") is voluntarily submitting this report to provide the Federal Energy Regulatory Commission ("FERC" or "Commission") with an update regarding the development of NAESB Wholesale Electric Quadrant ("WEQ") Business Practice Standards that will support the proposed deletion of current requirements within the North American Electric Reliability Corporation's ("NERC") Modeling, Data, and Analysis ("MOD") Reliability Standards as well as the adoption of the proposed consolidated NERC MOD-001-2 Reliability Standard currently before the Commission's consideration and the subject of a Notice of Proposed Rulemaking in Docket No. RM14-7-000. The NAESB WEQ Business Practices Subcommittee ("BPS") has been tasked with drafting the proposed NAESB WEQ Business Practice Standards that complement the proposed NERC action, and work within the subcommittee is well underway. To date, the NAESB WEQ Business Practice Standards Subcommittee is considering thirty-four of the requirements proposed for retirement from the existing NERC MOD Reliability Standards for potential inclusion as a new suite of NAESB WEQ Business Practice Standards. As indicated by the comments NAESB filed on August 25, 2014 as part of the Commission's NOPR process, the standards development is expected to be complete 2nd Quarter 2015 and any resulting standards will be submitted to the Commission during the 3rd Quarter 2015.¹

In February 2014, NERC submitted a petition to the Commission proposing a consolidation of the existing NERC MOD Reliability Standards into a single standard in part by eliminating the requirements from its standards that are of a commercial nature. Recognizing the potential market impact of some of the requirements, NERC submitted a request for standards development to NAESB requesting that NAESB evaluate a number of requirements proposed for retirement from the current NERC MOD Reliability Standards to determine if the requirements contained any elements that may be essential for market purposes and should be NAESB business practice standards. The current NERC MOD Reliability Standards contain approximately 204 requirements. The standards request submitted to NAESB by NERC indicated that 33 of these requirements were wholly incorporated into the proposed NERC Reliability Standard MOD-001-2, and 128 of these requirements were either implicitly or partially incorporated into the proposed NERC Reliability Standard MOD-001-2. The request indicated that in

¹ The comments filed by NAESB are available at the following link:
https://naesb.org/pdf4/ferc082514_naesb_mod_nopr_comments.pdf

total, there were 43 requirements that were not wholly or partially included as part of proposed NERC Reliability Standard MOD-001-2.

- Of the 43 requirements not wholly or partially retained by NERC as part of proposed NERC Reliability Standard MOD-001-2, NAESB is currently considering incorporation of 24 requirements. As a result, NAESB has determined not to move forward with the development of business practice standards for 19 requirements proposed for retirement from the current NERC MOD Reliability Standards. The majority of the requirements NAESB did not include as part of its standards development process (14 of the 19 requirements) are found within the current NERC Reliability Standard MOD-004-1 (Capacity Benefit Margin). These requirements were excluded after the determination was made that the proposed NERC Reliability Standard MOD-001-2 adequately addressed the criteria needed for the Capacity Benefit Margin Implementation Document (“CBMID”) and the existing NAESB WEQ Business Practice Standard WEQ-001-13.1.5 contain the posting requirements for the CBMID.
- Of the 128 requirements either implicitly or partially incorporated into proposed NERC MOD Reliability Standard MOD-001-2, NAESB is currently proposing to incorporate 11 requirements which have been identified as benefitting from commercial standardization.

In total, NAESB is considering as part of its standards development process elements from 35 requirements proposed for retirement from the current NERC MOD Reliability Standards.

NAESB received the request on February 7, 2014 and the request was discussed by the NAESB WEQ Executive Committee (“EC”) during its February 18, 2014 meeting. Due to the large nature of the request, the chair of the NAESB WEQ EC formed the NAESB WEQ EC MOD Standard Scoping Task Force to perform a preliminary review of the request and establish a scope and potential timeline for standards development. The task force included numerous industry volunteers as well as participation from FERC and NERC staff members. As part of the task force’s effort, NAESB sought input from the industry via an open comment period on the disposition of the requirements proposed by NERC for NAESB consideration.

Over the course of seven meetings between April and August 2014, the NAESB WEQ EC MOD Task Force identified forty-one requirements to be considered for standardization. The task force proposed that the NAESB WEQ BPS evaluate these requirements as part of the standards development effort and incorporate any necessary requirements into the NAESB WEQ Business Practice Standards. The task force estimated a 2nd Quarter 2015 completion date for the standards development process. The recommendations of the task force were used to formulate NAESB’s August 25, 2014 comments in response to the Commission’s inquiry as part of the *Modeling, Data, and Analysis Reliability Standards Notice of Proposed Rulemaking* (Docket No. RM14-7-000).² Additionally, the standards development effort has been incorporated into the 2014³ and 2015⁴ NAESB WEQ Annual Plans.

² Notice of Public Rulemaking, Modeling, Data, and Analysis Reliability Standards, 147 FERC ¶ 61, 208 (2014).

³ The NAESB 2014 WEQ Annual Plan is available at the following link:
http://www.naesb.org/pdf4/weq_2014_annual_plan.docx

⁴ The NAESB 2015 WEQ Annual Plan is available at the following link:
http://www.naesb.org/pdf4/weq_2015_annual_plan.docx

The NAESB WEQ BPS held initial discussions regarding the standards development assignment during its meeting on August 6 – 7, 2014 and a kick-off meeting for the NAESB MOD standards development effort on October 1, 2014. Since that time, the subcommittee has held three, two-day meetings and one, all-day conference call to continue its work on the project. The subcommittee began its effort by performing a review of the forty-one requirements identified by the NAESB WEQ EC MOD Standard Scoping Task Force to evaluate the appropriateness of each requirement as a NAESB standard and to determine if any additional elements needed to be included for consistency or clarity. Through this process, the NAESB WEQ BPS narrowed the number of requirements for potential inclusion in the NAESB WEQ Business Practice Standards from forty-one to thirty-four and has begun developing draft standards language. In recognition of the 2nd Quarter 2015 deadline, beginning in January 2015, the NAESB WEQ BPS will hold one, two-day, face-to-face meeting and one, all-day conference call every month until a recommendation is adopted by the subcommittee.

Since NAESB's submission of comments to the Commission on August 25, 2014, the NAESB WEQ BPS determined to be unnecessary for incorporation into the NAESB WEQ Business Practice Standards seven of forty-one requirements determined by the NAESB WEQ EC MOD Standard Scoping Task Force to be considered as part of the standards development process, MOD-001-1a Requirement 7, MOD-008-1 Requirement 5, MOD-028-1 Requirements 6.1 and 6.2, and MOD-030-2 Requirements 2.5, 2.5.1 and 4:

- The subcommittee proposed to omit from NAESB standards MOD-001-1a Requirement 7 as the assumptions and data which is to be used for operation planning and the calculation of Available Transfer Capacity (“ATC”) are adequately addressed elsewhere. For this requirement, the NERC Drafting Team noted that any such NAESB standard touching upon this issue would need to be carefully crafted to avoid double jeopardy situations.
- The subcommittee proposed not to incorporate timing requirements related to the frequency with which a transmission operator must provide Transmission Reliability Margin (“TRM”) values to a transmission service provider (MOD-008-1 Requirement 5) to maintain consistency between the TRM process and the Capacity Benefit Margin (“CBM”) process which does not place timing requirements on transmission operators for providing CBM values. In the information provided to NAESB by NERC in the original standards request, the NERC Drafting Team noted that NAESB should review the requirement, but mandating frequency for the communication of TRM values might not serve a commercial purpose.
- The subcommittee proposed to not include MOD-028-1 Requirements 6.1 and 6.2, which would proscribe a manner for entities to determine incremental transfer capability for each ATC Path as entities are required to disclose this information within their ATC Implementation Document (“ATCID”). NAESB was asked to review these two requirements for commercial value, but the NERC Drafting Team indicated the concept of incremental transfer capability was included as part of its proposed standard and details on performing the calculation were already well-documented, indicating that additional NAESB standards to support the requirement might not be needed.

- The subcommittee proposed to exclude frequency requirements relating to the establishment and notification of the Total Flowgate Capability (“TFC”) value (MOD-030-2 Requirements 2.5 and 2.5.1), as the requirements are found within the proposed NERC MOD-001-2 Reliability Standard. The written guidance provided by the NERC Drafting Team indicated that these requirements were contained within proposed NERC MOD-001-2 Requirements 1 and 1.1, and NERC staff has confirmed these requirements were inadvertently marked for consideration and possible inclusion in the NAESB WEQ Business Practice Standards.
- The subcommittee proposed to not incorporate MOD-030-2 Requirement 4 which proscribes the treatment of sources and sinks within the calculation for Available Flowgate Capability (“AFC”) due to granularity, deeming a proposed NAESB standard to establish the components of Existing Transmission Commitments (“ETC”) for the AFC calculation to be a sufficient level of detail for commercial standards. The NERC Drafting Team did not provide any written guidance to NAESB regarding this requirement.

Documentation of the determinations of the NAESB WEQ BPS are provided in a matrix included in this report as Appendix C.

Throughout the NAESB WEQ EC MOD Scoping Task Force and subsequent NAESB WEQ BPS effort, NAESB has been in communication with FERC staff regarding the requirements that have been determined not appropriate for inclusion in the NAESB WEQ Business Practice Standards. Additionally, NAESB has been coordinating with NERC staff to ensure that none of the requirements proposed for exclusion would result in an inadvertent reliability or commercial impact. NAESB welcomes and would be responsive to any guidance from the Commission, Commission staff, or NERC as the NAESB WEQ BPS moves forward with finalizing a recommendation to incorporate the identified requirements as a new suite of NAESB WEQ Business Practice Standards.

As indicated in the previous comments filed by NAESB, the organization is committed to working with the Commission and NERC to ensure a seamless implementation for the industry within the eighteen month timeline proposed by NERC in its petition to the Commission. Should any unanticipated occurrence delay the completion of the standards development effort, NAESB will immediately inform both the Commission and NERC and take any necessary steps to mitigate potential issues that may arise. NAESB will continue its close coordination relationship with NERC and will provide the Commission with any additional status reports as needed throughout the standards development process. As always, NAESB is ready to support the Commission’s direction in the manner deemed appropriate.

Attached, please find nine enclosures supporting this report. Provided in Appendix A is the Matrix of Requirements Addressed by the NAESB WEQ EC MOD Standard Scoping Task Force which contains the text of each NERC requirement the task force reviewed as well as a disposition for the requirement by the task force. Provided in Appendix B is a list of the NAESB WEQ EC MOD Standard Scoping Task Force participants. Appendix C contains the links to NAESB WEQ BPS meeting minutes, comments, work papers, and voting records. Appendix D contains the Matrix of Requirements Determined by the NAESB WEQ BPS to Not Be Incorporated as

NAESB WEQ Business Practice Standards. Provided in Appendix E are links to meeting notes, comments, work papers, and voting records for the task force. Provided in Appendix F is a list of WEQ EC minutes and available transcripts. Provided in Appendix G is an overview of the process NAESB utilizes to develop standards. Provided in Appendix H is the current NAESB 2014 WEQ Annual Plan. Appendix I contains the current NAESB 2015 WEQ Annual Plan.

Appendices:

- A..... Matrix of Requirements Addressed by the NAESB Wholesale Electric Quadrant Executive Committee MOD Standard Scoping Task Force
- B..... List of NAESB WEQ Executive Committee MOD Standard Scoping Task Force Participants
- C..... Links to NAESB WEQ Business Practice Subcommittee (BPS) Meeting Minutes, Comments, Work Papers, and Voting Records
- D..... Matrix of Requirements Determined by the NAESB WEQ BPS to Not Be Incorporated as NAESB Business Practice Standards.
- E..... Links to Meeting Notes, Comments, Work Papers and Voting Records
- F..... List of Executive Committee Minutes and Available Transcripts
- G..... NAESB Process to Develop and Adopt Standards
- H..... NAESB 2014 WEQ Annual Plan
- I..... NAESB 2015 WEQ Annual Plan

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>MOD-001-1a Requirement 1: Each Transmission Operator shall select one of the methodologies listed below for calculating Available Transfer Capability (ATC) or Available Flowgate Capability (AFC) for each ATC Path per time period identified in R2 for those Facilities within its Transmission operating area: [Time Horizon: Operations Planning] the Area Interchange Methodology, as described in MOD-028, the Rated System Path Methodology, as described in MOD-029, and the Flowgate Methodology, as described in MOD-030</p>	<p>NAESB should consider whether its business practice standards should list the methodologies that entities may use for determining ATC/AFC.</p>	<p>The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The NAESB standards should recognize the three methodologies from NERC and require selection of one of the methodologies for ATC calculations.</p>
<p>MOD-001-1a Requirement 2: Each Transmission Service Provider shall calculate ATC or AFC values as listed below using the methodology or methodologies selected by its Transmission Operator(s): [Time Horizon: Operations Planning]</p>	<p>NAESB should consider if there is a market need for NAESB to specify the range of hourly, daily and monthly values to be calculated or whether this required is captured elsewhere (e.g., OATT requirements).</p>	<p>The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should consult 18 CFR 27.6.b.3.i.1-2, which has requirements for posting.</p>
<p>MOD-001-1a Requirement 2.1: Hourly values for at least the next 48 hours</p>	<p>NAESB should consider if there is a market need for NAESB to specify the range of hourly, daily and monthly values to be calculated or whether this required is captured elsewhere (e.g., OATT requirements).</p>	<p>The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should consult 18 CFR 27.6.b.3.i.1-2, which has requirements for posting.</p>
<p>MOD-001-1a Requirement 2.2: Daily values for at least the next 31 calendar days</p>	<p>NAESB should consider if there is a market need for NAESB to specify the range of hourly, daily and monthly values to be calculated or whether this required is captured elsewhere (e.g., OATT requirements).</p>	<p>The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should consult 18 CFR 27.6.b.3.i.1-2, which has requirements for posting.</p>

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-001-1a Requirement 2.3: Monthly values for at least the next 12 months (months 2-13)	NAESB should consider if there is a market need for NAESB to specify the range of hourly, daily and monthly values to be calculated or whether this required is captured elsewhere (e.g., OATT requirements).	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should consult 18 CFR 27.6.b.3.i.1-2, which has requirements for posting.
MOD-001-1a Requirement 3: Each Transmission Service Provider shall prepare and keep current an Available Transfer Capability Implementation Document (ATCID) that includes, at a minimum, the following information: [Time Horizon: Operations Planning]	N/A	N/A
MOD-001-1a Requirement 3.1: Information describing how the selected methodology (or methodologies) has been implemented, in such detail that, given the same information used by the Transmission Service Provider, the results of the ATC or AFC calculations can be validated.	NAESB should consider whether to include this type of requirement in its standards if needed for market purposes.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The task force would like the subcommittee to consider whether this requirement is needed as a business practice separate from the ATCID and the ATC Contact. The subcommittee should discuss if details for prescribed NERC documents should be in NAESB standards, and if so, what NERC coordination may be required.
MOD-001-1a Requirement 3.2: A description of the manner in which the Transmission Service Provider will account for counterflows including:	NAESB to consider whether market standards are needed to address how an entity accounts for Counterflows.	The subcommittee should not consider this requirement in the standards development process. The level of detail contained in MOD-001-1a Requirement 3.1, which is proposed for potential inclusion in the NAESB WEQ Business Practice Standards, is sufficient.

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-001-1a Requirement 3.2.1: How confirmed Transmission reservations, expected Interchange and internal counterflow are addressed in firm and non-firm ATC or AFC calculations.	NAESB to consider whether market standards are needed to address how an entity accounts for Counterflows.	The subcommittee should not consider this requirement in the standards development process. The level of detail contained in MOD-001-1a Requirement 3.1, which is proposed for potential inclusion in the NAESB WEQ Business Practice Standards, is sufficient.
MOD-001-1a Requirement 3.2.2: A rationale for that accounting specified in R3.2.	NAESB to consider whether market standards are needed to address how an entity accounts for Counterflows.	The subcommittee should not consider this requirement in the standards development process. The level of detail contained in MOD-001-1a Requirement 3.1, which is proposed for potential inclusion in the NAESB WEQ Business Practice Standards, is sufficient.
MOD-001-1a Requirement 3.3: The identity of the Transmission Operators and Transmission Service Providers from which the Transmission Service Provider receives data for use in calculating ATC or AFC.	NAESB to consider whether there is a market need to require entities to specifically document the identify of TOPs and TSPs from which they receive data.	The subcommittee should not consider this requirement in the standards development process. The level of detail contained in MOD-001-1a Requirement 3.1, which is proposed for potential inclusion in the NAESB WEQ Business Practice Standards, is sufficient.
MOD-001-1a Requirement 3.4: The identity of the Transmission Service Providers and Transmission Operators to which it provides data for use in calculating transfer or Flowgate capability.	NAESB to consider whether there is a market need to require entities to specifically document the identify of TOPs and TSPs from which they receive data.	The subcommittee should not consider this requirement in the standards development process. The level of detail contained in MOD-001-1a Requirement 3.1, which is proposed for potential inclusion in the NAESB WEQ Business Practice Standards, is sufficient.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>MOD-001-1a Requirement 3.5: A description of the allocation processes listed below that are applicable to the Transmission Service Provider:</p> <ul style="list-style-type: none"> • Processes used to allocate transfer or Flowgate capability among multiple lines or sub-paths within a larger ATC Path or Flowgate. • Processes used to allocate transfer or Flowgate capabilities among multiple owners or users of an ATC Path or Flowgate. • Processes used to allocate transfer or Flowgate capabilities between Transmission Service Providers to address issues such as forward looking congestion management and seams coordination. 	<p>NAESB should consider whether there is a market need to specifically require such a description in its standards.</p>	<p>The subcommittee should not consider this requirement in the standards development process. The level of detail contained in MOD-001-1a Requirement 3.1, which is proposed for potential inclusion in the NAESB WEQ Business Practice Standards, is sufficient.</p>
<p>MOD-001-1a Requirement 3.6: A description of how generation and transmission outages are considered in transfer or Flowgate capability calculations, including:</p>	<p>N/A</p>	<p>N/A</p>
<p>MOD-001-1a Requirement 3.6.1: The criteria used to determine when an outage that is in effect part of a day impacts a daily calculation.</p>	<p>NAESB should consider these aspects of outages and how they affect markets.</p>	<p>The subcommittee should not consider this requirement in the standards development process. The level of detail contained in MOD-001-1a Requirement 3.1, which is proposed for potential inclusion in the NAESB WEQ Business Practice Standards, is sufficient.</p>
<p>MOD-001-1a Requirement 3.6.2: The criteria used to determine when an outage that is in effect part of a month impacts a monthly calculation</p>	<p>NAESB should consider these aspects of outages and how they affect markets.</p>	<p>The subcommittee should not consider this requirement in the standards development process. The level of detail contained in MOD-001-1a Requirement 3.1, which is proposed for potential inclusion in the NAESB WEQ Business Practice Standards, is sufficient.</p>

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-001-1a Requirement 3.6.3: How outages from other Transmission Service Providers that cannot be mapped to the Transmission model used to calculate transfer or Flowgate capability are addressed.	NAESB should consider these aspects of outages and how they affect markets.	The subcommittee should not consider this requirement in the standards development process. The level of detail contained in MOD-001-1a Requirement 3.1, which is proposed for potential inclusion in the NAESB WEQ Business Practice Standards, is sufficient.
MOD-001-1a Requirement 6: When calculating Total Transfer Capability (TTC) or Total Flowgate Capability (TFC) the Transmission Operator shall use assumptions no more limiting than those used in the planning of operations for the corresponding time period studied, providing such planning of operations has been performed for that time period. [Time Horizon: Operations Planning]	NAESB should consider whether these requirements are necessary from a market perspective. The MOD A SDT, however, does not recommend setting a hard limit, such as "no more limiting." Depending on the region, the determination of TFC, TTC, AFC and ATC has varying methods and degrees of similarity to the planning of operations. While a comparison between the two may be of merit to insure that there is no inappropriate conduct, a hard limit has the potential to create a situation where the entity must choose between violating a NERC Standard or violating a NAESB standard.	The subcommittee should not consider this requirement in the standards development process. The task force believes the Transmission Operator is responsible for calculating TTC and TFC for reliability purposes and therefore should not be used in commercial standards.
MOD-001-1a Requirement 7: When calculating ATC or AFC the Transmission Service Provider shall use assumptions no more limiting than those used in the planning of operations for the corresponding time period studied, providing such planning of operations has been performed for that time period. [Time Horizon: Operations Planning]	NAESB should consider whether these requirements are necessary from a market perspective. The MOD A SDT, however, does not recommend setting a hard limit, such as "no more limiting." Depending on the region, the determination of TFC, TTC, AFC and ATC has varying methods and degrees of similarity to the planning of operations. While a comparison between the two may be of merit to insure that there is no inappropriate conduct, a hard limit has the potential to create a situation where the entity must choose between violating a NERC Standard or violating a NAESB standard.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The task force is in agreement that the language "assumptions no more limiting than..." should not be included in any commercial business practice standard. The subcommittee may consider if there should be language for the assumptions and data used for operation planning and ATC calculations to be consistent. (Please refer to Order 693 Paragraph 1044)

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>MOD-001-1a Requirement 8: Each Transmission Service Provider that calculates ATC shall recalculate ATC at a minimum on the following frequency, unless none of the calculated values identified in the ATC equation have changed: [Time Horizon: Operations Planning]</p>	<p>NAESB should review this requirement and determine if there is a business need to establish calculation frequencies for ATC.</p>	<p>The subcommittee should not consider this requirement in the standards development process. This requirement touches upon the calculation portion of ATC. FERC has indicated that a customer can request calculation information from providers if there are questions. This requirement is overly prescriptive, would require significant documentation to show compliance, and would not provide any additional business value. Posting requirements can be audited because all postings on OASIS have time stamps.</p>
<p>MOD-001-1a Requirement 8.1: Hourly values, once per hour. Transmission Service Providers are allowed up to 175 hours per calendar year during which calculations are not required to be performed, despite a change in a calculated value identified in the ATC equation.</p>	<p>NAESB should review this requirement and determine if there is a business need to limit or qualify permissible computer down time.</p>	<p>The subcommittee should not consider this requirement in the standards development process. This requirement touches upon the calculation portion of ATC. FERC has indicated that a customer can request calculation information from providers if there are questions. This requirement is overly prescriptive, would require significant documentation to show compliance, and would not provide any additional business value. Posting requirements can be audited because all postings on OASIS have time stamps.</p>

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-00101a Requirement 8.2: Daily values, once per day.	NAESB should review this requirement and determine if there is a business need to establish calculation frequencies for ATC.	The subcommittee should not consider this requirement in the standards development process. This requirement touches upon the calculation portion of ATC. FERC has indicated that a customer can request calculation information from providers if there are questions. This requirement is overly prescriptive, would require significant documentation to show compliance, and would not provide any additional business value. Posting requirements can be audited because all postings on OASIS have time stamps.
MOD-001-1a Requirement 8.3: Monthly values, once per week	NAESB should review this requirement and determine if there is a business need to establish calculation frequencies for ATC.	The subcommittee should not consider this requirement in the standards development process. This requirement touches upon the calculation portion of ATC. FERC has indicated that a customer can request calculation information from providers if there are questions. This requirement is overly prescriptive, would require significant documentation to show compliance, and would not provide any additional business value. Posting requirements can be audited because all postings on OASIS have time stamps.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-001-1a Requirement 9: Within thirty calendar days of receiving a request by any Transmission Service Provider, Planning Coordinator, Reliability Coordinator, or Transmission Operator for data from the list below solely for use in the requestor’s ATC or AFC calculations, each Transmission Service Provider receiving said request shall begin to make the requested data available to the requestor, subject to the conditions specified in R9.1 and R9.2: [Time Horizon: Operations Planning] Truncated. (Detailed list of items removed for brevity.)	Proposed MOD-001-2 Requirement 6 covers data sharing. The requirements are detailed in what the requesting entity must do and what the entity responding must do. There is still a time parameter for responding to requests within 45 calendar days. These cells are marked for consideration because the requirement parts are not clearly spelled out.	The subcommittee should not consider this requirement in the standards development process. The task force believes that proposed MOD-001-2 Requirement 6 covers all types of data sharing as do requirements in the CFR.
MOD-001-1a Requirement 9.1: The Transmission Service Provider shall make its own current data available, in the format maintained by the Transmission Service Provider, for up to 13 months into the future (subject to confidentiality and security requirements).	Proposed MOD-001-2 Requirement 6 covers data sharing. The requirements are detailed in what the requesting entity must do and what the entity responding must do. There is still a time parameter for responding to requests within 45 calendar days. These cells are marked for consideration because the requirement parts are not clearly spelled out.	The subcommittee should not consider this requirement in the standards development process. The task force believes that proposed MOD-001-2 Requirement 6 covers all types of data sharing as do requirements in the CFR.
MOD-001-1a Requirement 9.1.1: If the Transmission Service Provider uses the data requested in its transfer or Flowgate capability calculations, it shall make the data used available	Proposed MOD-001-2 Requirement 6 covers data sharing. The requirements are detailed in what the requesting entity must do and what the entity responding must do. There is still a time parameter for responding to requests within 45 calendar days. These cells are marked for consideration because the requirement parts are not clearly spelled out.	The subcommittee should not consider this requirement in the standards development process. The task force believes that proposed MOD-001-2 Requirement 6 covers all types of data sharing as do requirements in the CFR.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-001-1a Requirement 9.1.2: If the Transmission Service Provider does not use the data requested in its transfer or Flowgate capability calculations, but maintains that data, it shall make that data available	Proposed MOD-001-2 Requirement 6 covers data sharing. The requirements are detailed in what the requesting entity must do and what the entity responding must do. There is still a time parameter for responding to requests within 45 calendar days. These cells are marked for consideration because the requirement parts are not clearly spelled out.	The subcommittee should not consider this requirement in the standards development process. The task force believes that proposed MOD-001-2 Requirement 6 covers all types of data sharing as do requirements in the CFR.
MOD-001-1a Requirement 9.1.3: If the Transmission Service Provider does not use the data requested in its transfer or Flowgate capability calculations, and does not maintain that data, it shall not be required to make that data available	Proposed MOD-001-2 Requirement 6 covers data sharing. The requirements are detailed in what the requesting entity must do and what the entity responding must do. There is still a time parameter for responding to requests within 45 calendar days. These cells are marked for consideration because the requirement parts are not clearly spelled out.	The subcommittee should not consider this requirement in the standards development process. The task force believes that proposed MOD-001-2 Requirement 6 covers all types of data sharing as do requirements in the CFR.
MOD-001-1a Requirement 9.2: This data shall be made available by the Transmission Provider on the schedule specified by the requestor (but no more frequently than once per hour, unless mutually agreed to by the requestor and the provider).	Proposed MOD-001-2 Requirement 6 covers data sharing. The requirements are detailed in what the requesting entity must do and what the entity responding must do. There is still a time parameter for responding to requests within 45 calendar days. These cells are marked for consideration because the requirement parts are not clearly spelled out.	The subcommittee should not consider this requirement in the standards development process. The task force believes that proposed MOD-001-2 Requirement 6 covers all types of data sharing as do requirements in the CFR.
MOD-004-1 Requirement 1: The Transmission Service Provider that maintains CBM shall prepare and keep current a “Capacity Benefit Margin Implementation Document” (CBMID) that includes, at a minimum, the following information: [Time Horizon: Operations Planning, Long-term Planning]	N/A	N/A

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-004-1 Requirement 1.1: The process through which a Load-Serving Entity within a Balancing Authority Area associated with the Transmission Service Provider, or the Resource Planner associated with that Balancing Authority Area, may ensure that its need for Transmission capacity to be set aside as CBM will be reviewed and accommodated by the Transmission Service Provider to the extent Transmission capacity is available.	NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more methods of determining CBM and to establish guidelines for CBM's use.	The subcommittee should not consider this requirement in the standards development process. The task force does not believe that business practices are needed, as the NERC standard covers criteria for the CBMID. The NAESB standards will retain the reference for posting the document in WEQ-001-13.1.5
MOD-004-1 Requirement 1.2: The procedure and assumptions for establishing CBM for each Available Transfer Capability (ATC) Path or Flowgate.	NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more methods of determining CBM and to establish guidelines for CBM's use.	The subcommittee should not consider this requirement in the standards development process. The task force does not believe that business practices are needed, as the NERC standard covers criteria for the CBMID. The NAESB standards will retain the reference for posting the document in WEQ-001-13.1.5
MOD-004-1 Requirement 1.3: The procedure for a Load-Serving Entity or Balancing Authority to use Transmission capacity set aside as CBM, including the manner in which the Transmission Service Provider will manage situations where the requested use of CBM exceeds the amount of CBM available.	NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more methods of determining CBM and to establish guidelines for CBM's use.	The subcommittee should not consider this requirement in the standards development process. The task force does not believe that business practices are needed, as the NERC standard covers criteria for the CBMID. The NAESB standards will retain the reference for posting the document in WEQ-001-13.1.5

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-004-1 Requirement 2: The Transmission Service Provider that maintains CBM shall make available its current CBMID to the Transmission Operators, Transmission Service Providers, Reliability Coordinators, Transmission Planners, Resource Planners, and Planning Coordinators that are within or adjacent to the Transmission Service Provider’s area, and to the Load Serving Entities and Balancing Authorities within the Transmission Service Provider’s area, and notify those entities of any changes to the CBMID prior to the effective date of the change. [Time Horizon: Operations Planning]	The requirement to send an unsolicited communication to various entities was removed based on industry feedback that this requirement did not contribute to reliability and presented an administrative burden. However, NAESB should consider if this has market implications.	The subcommittee should not consider this requirement in the standards development process. There is already a requirement to post the CBMID. The task force agrees with NERC that the required posting of the CBMID constitutes notification.
MOD-004-1 Requirement 3: Each Load-Serving Entity determining the need for Transmission capacity to be set aside as CBM for imports into a Balancing Authority Area shall determine that need by: [Time Horizon: Operations Planning]	N/A	N/A
MOD-004-1 Requirement 3.1: Using one or more of the following to determine the GCIR: Loss of Load Expectation (LOLE) studies, Loss of Load Probability (LOLP) studies, Deterministic risk-analysis studies, Reserve margin or resource adequacy requirements established by other entities, such as municipalities, state commissions, regional transmission organizations, independent system operators, and/or Regional Reliability Organizations, or regional entities	NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more methods of determining CBM and to establish guidelines for CBM’s use.	The subcommittee should not consider this requirement in the standards development process. The proposed NERC standard covers criteria for the CBMID, and NAESB will retain the reference for posting the document in WEQ-001-13.1.7

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-004-1 Requirement 3.2: Identifying expected import path(s) or source region(s).	NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more methods of determining CBM and to establish guidelines for CBM's use.	The subcommittee should not consider this requirement in the standards development process. The proposed NERC standard covers criteria for the CBMID, and NAESB will retain the reference for posting the document in WEQ-001-13.1.7
MOD-004-1 Requirement 4: Each Resource Planner determining the need for Transmission capacity to be set aside as CBM for imports into a Balancing Authority Area shall determine that need by: [Time Horizon: Operations Planning]	NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more methods of determining CBM and to establish guidelines for CBM's use.	The subcommittee should not consider this requirement in the standards development process. The proposed NERC standard covers criteria for the CBMID, and NAESB will retain the reference for posting the document in WEQ-001-13.1.7
MOD-004-1 Requirement 4.1: Using one or more of the following to determine the GCIR: Loss of Load Expectation (LOLE) studies, Loss of Load Probability (LOLP) studies, Deterministic risk-analysis studies, and/or Reserve margin or resource adequacy requirements established by other entities, such as municipalities, state commissions, regional transmission organizations, independent system operators, Regional Reliability Organizations, or regional entities	NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more methods of determining CBM and to establish guidelines for CBM's use.	The subcommittee should not consider this requirement in the standards development process. The proposed NERC standard covers criteria for the CBMID, and NAESB will retain the reference for posting the document in WEQ-001-13.1.7
MOD-004-1 Requirement 4.2: Identifying expected import path(s) or source region(s).	NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more methods of determining CBM and to establish guidelines for CBM's use.	The subcommittee should not consider this requirement in the standards development process. The proposed NERC standard covers criteria for the CBMID, and NAESB will retain the reference for posting the document in WEQ-001-13.1.7

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>MOD-004-1 Requirement 5: At least every 13 months, the Transmission Service Provider that maintains CBM shall establish a CBM value for each ATC Path or Flowgate to be used for ATC or Available Flowgate Capability (AFC) calculations during the 13 full calendar months (months 2-14) following the current month (the month in which the Transmission Service Provider is establishing the CBM values). This value shall: [Time Horizon: Operations Planning]</p>	<p>NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more methods of determining CBM and to establish guidelines for CBM's use.</p>	<p>The subcommittee should not consider this requirement in the standards development process. The proposed NERC standard covers criteria for the CBMID, and NAESB will retain the reference for posting the document in WEQ-001-13.1.7</p>
<p>MOD-004-1 Requirement 5.1: Reflect consideration of each of the following if available: Any studies (as described in R3.1) performed by Load-Serving Entities for loads within the Transmission Service Provider's area, any studies (as described in R4.1) performed by Resource Planners for loads within the Transmission Service Provider's area, and any reserve margin or resource adequacy requirements for loads within the Transmission Service Provider's area established by other entities, such as municipalities, state commissions, regional transmission organizations, independent system operators, Regional Reliability Organizations, or regional entities</p>	<p>NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more methods of determining CBM and to establish guidelines for CBM's use.</p>	<p>The subcommittee should not consider this requirement in the standards development process. The proposed NERC standard covers criteria for the CBMID, and NAESB will retain the reference for posting the document in WEQ-001-13.1.7</p>

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>MOD-004-1 Requirement 5.2: Be allocated as follows:</p> <ul style="list-style-type: none"> • For ATC Paths, based on the expected import paths or source regions provided by Load-Serving Entities or Resource Planners • For Flowgates, based on the expected import paths or source regions provided by Load-Serving Entities or Resource Planners and the distribution factors associated with those paths or regions, as determined by the Transmission Service Provider 	<p>NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more methods of determining CBM and to establish guidelines for CBM's use.</p>	<p>The subcommittee should not consider this requirement in the standards development process. The proposed NERC standard covers criteria for the CBMID, and NAESB will retain the reference for posting the document in WEQ-001-13.1.7</p>
<p>MOD-004-1 Requirement 6: At least every 13 months, the Transmission Planner shall establish a CBM value for each ATC Path or Flowgate to be used in planning during each of the full calendar years two through ten following the current year (the year in which the Transmission Planner is establishing the CBM values). This value shall: [Time Horizon: Long-term Planning]</p>	<p>NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more methods of determining CBM and to establish guidelines for CBM's use.</p>	<p>The subcommittee should not consider this requirement in the standards development process. The proposed NERC standard covers criteria for the CBMID, and NAESB will retain the reference for posting the document in WEQ-001-13.1.7</p>

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
 Quadrant Executive Committee MOD Standard Scoping Task Force
 December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>MOD-004-1 Requirement 6.1: Reflect consideration of each of the following if available: any studies (as described in R3.1) performed by Load-Serving Entities for loads within the Transmission Planner’s area, any studies (as described in R4.1) performed by Resource Planners for loads within the Transmission Planner’s area, and any reserve margin or resource adequacy requirements for loads within the Transmission Planner’s area established by other entities, such as municipalities, state commissions, regional transmission organizations, independent system operators, Regional Reliability Organizations, or regional entities</p>	<p>NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more methods of determining CBM and to establish guidelines for CBM’s use.</p>	<p>The subcommittee should not consider this requirement in the standards development process. The proposed NERC standard covers criteria for the CBMID, and NAESB will retain the reference for posting the document in WEQ-001-13.1.7</p>
<p>MOD-004-1 Requirement 6.2: Be allocated as follows:</p> <ul style="list-style-type: none"> • For ATC Paths, based on the expected import paths or source regions provided by Load-Serving Entities or Resource Planners • For Flowgates, based on the expected import paths or source regions provided by Load-Serving Entities or Resource Planners and the distribution factors associated with those paths or regions, as determined by the Transmission Planner. 	<p>NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more methods of determining CBM and to establish guidelines for CBM’s use.</p>	<p>The subcommittee should not consider this requirement in the standards development process. The proposed NERC standard covers criteria for the CBMID, and NAESB will retain the reference for posting the document in WEQ-001-13.1.7</p>

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-004-1 Requirement 7: Less than 31 calendar days after the establishment of CBM, the Transmission Service Provider that maintains CBM shall notify all the Load-Serving Entities and Resource Planners that determined they had a need for CBM on the Transmission Service Provider’s system of the amount of CBM set aside. [Time Horizon: Operations Planning]	NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more guidelines for communicating CBM values to those utilities that use it.	The subcommittee should not consider this requirement in the standards development process. The task force believes that there are already OASIS Business Practice Standards (WEQ-001-22) that enables Load Serving Entities to determine the available CBM in addition to requirements in the CFR (b.3.i.a.1). The task force does not believe that additional business practices are needed.
MOD-004-1 Requirement 8: Less than 31 calendar days after the establishment of CBM, the Transmission Planner shall notify all the Load-Serving Entities and Resource Planners that determined they had a need for CBM on the system being planned by the Transmission Planner of the amount of CBM set aside. [Time Horizon: Operations Planning]	NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more guidelines for communicating CBM values to those utilities that use it.	The subcommittee should not consider this requirement in the standards development process. The task force believes that there are already OASIS Business Practice Standards (WEQ-001-22) that enable Load Serving Entities to determine the available CBM in addition to requirements in the CFR (b.3.i.a.1). The task force does not believe that additional business practices are needed.
MOD-004-1 Requirement 9: The Transmission Service Provider that maintains CBM and the Transmission Planner shall each provide (subject to confidentiality and security requirements) copies of the applicable supporting data, including any models, used for determining CBM or allocating CBM over each ATC Path or Flowgate to the following: [Time Horizon: Operations Planning, Long-term Planning]	MOD-001-2 Proposed Requirement 5 requires disclosure of CBMID and response to any clarifying questions. MOD-001-2 Proposed Requirement 6 requires disclosure of data to another TSP or TOP.	The subcommittee should not consider this requirement in the standards development process. The task force believes that proposed MOD-001-2 Requirement 5 covers all types of data sharing as do requirements in the CFR. The task force does not want to create a double jeopardy situation. The subcommittee should not consider this requirement in the standards development process.

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-004-1 Requirement 9.1: Each of its associated Transmission Operators within 30 calendar days of their making a request for the data.	MOD-001-2 Proposed Requirement 5 requires disclosure of CBMID and response to any clarifying questions. MOD-001-2 Proposed Requirement 6 requires disclosure of data to another TSP or TOP.	The subcommittee should not consider this requirement in the standards development process. The task force believes that proposed MOD-001-2 Requirement 5 covers all types of data sharing as do requirements in the CFR. The task force does not want to create a double jeopardy situation. The subcommittee should not consider this requirement in the standards development process.
MOD-004-1 Requirement 9.2: To any Transmission Service Provider, Reliability Coordinator, Transmission Planner, Resource Planner, or Planning Coordinator within 30 calendar days of their making a request for the data.	MOD-001-2 Proposed Requirement 5 requires disclosure of CBMID and response to any clarifying questions. MOD-001-2 Proposed Requirement 6 requires disclosure of data to another TSP or TOP.	The subcommittee should not consider this requirement in the standards development process. The task force believes that proposed MOD-001-2 Requirement 5 covers all types of data sharing as do requirements in the CFR. The task force does not want to create a double jeopardy situation. The subcommittee should not consider this requirement in the standards development process.
MOD-004-1 Requirement 10: The Load-Serving Entity or Balancing Authority shall request to import energy over firm Transfer Capability set aside as CBM only when experiencing a declared NERC Energy Emergency Alert (EEA) 2 or higher. [Time Horizon: Same-day Operations]	NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more guidelines for communicating CBM values to those utilities that use it.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. This requirement is partially defined in WEQ-001-22, but the subcommittee should consider adding criteria for EEA 2 or higher. The subcommittee should avoid establishing additional requirements for NERC established documents and will need to coordinate with requirements in WEQ-001-22 and WEQ-004 as well as requirements found in implementation documentation and the NERC BAL Reliability Standards.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-004-1 Requirement 11: When reviewing an Arranged Interchange using CBM, all Balancing Authorities and Transmission Service Providers shall waive, within the bounds of reliable operation, any Real-time timing and ramping requirements. [Time Horizon: Same-day Operations]	NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more guidelines for communicating CBM values to those utilities that use it.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. This requirement is partially defined in WEQ-001-22, but the subcommittee should consider adding criteria for EEA 2 or higher. The subcommittee should avoid establishing additional requirements for NERC established documents and will need to coordinate with requirements in WEQ-001-22 and WEQ-004 as well as requirements found in implementation documentation and the NERC BAL Reliability Standards.
MOD-004-1 Requirement 12: The Transmission Service Provider that maintains CBM shall approve, within the bounds of reliable operation, any Arranged Interchange using CBM that is submitted by an “energy deficient entity ” under an EEA 2 if: [Time Horizon: Same-day Operations]	NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more guidelines for communicating CBM values to those utilities that use it.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. This requirement is partially defined in WEQ-001-22, but the subcommittee should consider adding criteria for EEA 2 or higher. The subcommittee should avoid establishing additional requirements for NERC established documents and will need to coordinate with requirements in WEQ-001-22 and WEQ-004 as well as requirements found in implementation documentation and the NERC BAL Reliability Standards.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-004-1 Requirement 12.1: The CBM is available	NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more guidelines for communicating CBM values to those utilities that use it.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. This requirement is partially defined in WEQ-001-22, but the subcommittee should consider adding criteria for EEA 2 or higher. The subcommittee should avoid establishing additional requirements for NERC established documents and will need to coordinate with requirements in WEQ-001-22 and WEQ-004 as well as requirements found in implementation documentation and the NERC BAL Reliability Standards.
MOD-004-1 Requirement 12.2: The EEA 2 is declared within the Balancing Authority Area of the “energy deficient entity,” and	NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more guidelines for communicating CBM values to those utilities that use it.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. This requirement is partially defined in WEQ-001-22, but the subcommittee should consider adding criteria for EEA 2 or higher. The subcommittee should avoid establishing additional requirements for NERC established documents and will need to coordinate with requirements in WEQ-001-22 and WEQ-004 as well as requirements found in implementation documentation and the NERC BAL Reliability Standards.

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-004-1 Requirement 12.3: The Load of the “energy deficient entity” is located within the Transmission Service Provider’s area.	NAESB should review MOD-004 and determine if there is a business need for NAESB to establish one or more guidelines for communicating CBM values to those utilities that use it.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. This requirement is partially defined in WEQ-001-22, but the subcommittee should consider adding criteria for EEA 2 or higher. The subcommittee should avoid establishing additional requirements for NERC established documents and will need to coordinate with requirements in WEQ-001-22 and WEQ-004 as well as requirements found in implementation documentation and the NERC BAL Reliability Standards.
MOD-008-1 Requirement 1: Each Transmission Operator shall prepare and keep current a TRM Implementation Document (TRMID) that includes, as a minimum, the following information: [Time Horizon: Operations Planning]	N/A	N/A

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>MOD-008-1 Requirement 1.1: Identification of (on each of its respective ATC Paths or Flowgates) each of the following components of uncertainty if used in establishing TRM, and a description of how that component is used to establish a TRM value:</p> <ul style="list-style-type: none"> • Aggregate Load forecast. • Load distribution uncertainty. • Forecast uncertainty in Transmission system topology (including, but not limited to, forced or unplanned outages and maintenance outages). • Allowances for parallel path (loop flow) impacts. • Allowances for simultaneous path interactions. • Variations in generation dispatch (including, but not limited to, forced or unplanned outages, maintenance outages and location of future generation). • Short-term System Operator response (Operating Reserve actions). • Reserve sharing requirements. • Inertial response and frequency bias. 	<p>NAESB should review MOD-008-1 for identifying the elements in the previous column, at a minimum, within the TOPs TRMID.</p>	<p>The subcommittee should not consider this requirement in the standards development process. The task force believes that proposed MOD-001-2 Requirement 4 requires Transmission Operators to develop and post TRMIDs. TRM is also a requirement of Transmission Operators under NERC reliability standards. As such, the task force does not believe additional business practice standards are required.</p>
<p>MOD-004-1 Requirement 1.2: The description of the method used to allocate TRM across ATC Paths or Flowgates.</p>	<p>NAESB should review MOD-008-1 for identifying the elements in the previous column, at a minimum, within the TOPs TRMID.</p>	<p>The subcommittee should not consider this requirement in the standards development process. The task force believes that proposed MOD-001-2 Requirement 4 requires Transmission Operators to develop and post TRMIDs. TRM is also a requirement of Transmission Operators under NERC reliability standards. As such, the task force does not believe additional business practice standards are required.</p>

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-004-1 Requirement 1.3: The identification of the TRM calculation used for the following time periods:	NAESB should review MOD-008-1 for identifying the elements in the previous column, at a minimum, within the TOPs TRMID.	The subcommittee should not consider this requirement in the standards development process. The task force believes that proposed MOD-001-2 Requirement 4 requires Transmission Operators to develop and post TRMIDs. TRM is also a requirement of Transmission Operators under NERC reliability standards. As such, the task force does not believe additional business practice standards are required.
MOD-004-1 Requirement 1.3.1: Same day and real-time.	NAESB should review MOD-008-1 for identifying the elements in the previous column, at a minimum, within the TOPs TRMID.	The subcommittee should not consider this requirement in the standards development process. The task force believes that proposed MOD-001-2 Requirement 4 requires Transmission Operators to develop and post TRMIDs. TRM is also a requirement of Transmission Operators under NERC reliability standards. As such, the task force does not believe additional business practice standards are required.
MOD-004-1 Requirement 1.3.2: Day-ahead and pre-schedule.	NAESB should review MOD-008-1 for identifying the elements in the previous column, at a minimum, within the TOPs TRMID.	The subcommittee should not consider this requirement in the standards development process. The task force believes that proposed MOD-001-2 Requirement 4 requires Transmission Operators to develop and post TRMIDs. TRM is also a requirement of Transmission Operators under NERC reliability standards. As such, the task force does not believe additional business practice standards are required.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-004-1 Requirement 1.3.3: Beyond day-ahead and pre-schedule, up to thirteen months ahead.	NAESB should review MOD-008-1 for identifying the elements in the previous column, at a minimum, within the TOPs TRMID.	The subcommittee should not consider this requirement in the standards development process. The task force believes that proposed MOD-001-2 Requirement 4 requires Transmission Operators to develop and post TRMIDs. TRM is also a requirement of Transmission Operators under NERC reliability standards. As such, the task force does not believe additional business practice standards are required.
MOD-004-1 Requirement 2: Each Transmission Operator shall only use the components of uncertainty from R1.1 to establish TRM, and shall not include any of the components of Capacity Benefit Margin (CBM). Transmission capacity set aside for reserve sharing agreements can be included in TRM. [Time Horizon: Operations Planning]	NAESB should review and determine if a business practice rule is needed regarding the double counting of CBM and TRM and could develop specific measures to test for such double counting.	The subcommittee should consider the requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the requirement to determine if measures should be included in the NAESB standards to prevent double counting.
MOD-008-1 Requirement 4: Each Transmission Operator that maintains TRM shall establish TRM values in accordance with the TRMID at least once every 13 months. [Time Horizon: Operations Planning]	NAESB should consider adding this time parameter for establishing TRM values.	The subcommittee should not consider this requirement in the standards development process. The Task Force believes this requirement is already established by the TRMID and as such, a requirement in the NAESB standards is not needed.
MOD-008-1 Requirement 5: The Transmission Operator that maintains TRM shall provide the TRM values to its Transmission Service Provider(s) and Transmission Planner(s) no more than seven calendar days after a TRM value is initially established or subsequently changed. [Time Horizon: Operations Planning]	NAESB should consider adding this frequency update in a business practice. There may not be a need to mandate that the TOP send the TRM values to the TSP.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-028-1 Requirement 1: Each Transmission Service Provider shall include in its Available Transfer Capability Implementation Document (ATCID), at a minimum, the following information relative to its methodology for determining Total Transfer Capability (TTC): [Time Horizon: Operations Planning]	N/A	N/A
MOD-028-1 Requirement 1.1: Information describing how the selected methodology has been implemented, in such detail that, given the same information used by the Transmission Operator, the results of the TTC calculations can be validated.	NAESB should consider this information.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-028-1 Requirement 1.2: A description of the manner in which the Transmission Operator will account for Interchange Schedules in the calculation of TTC.	NAESB should consider adding this description.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-028-1 Requirement 1.3: Any contractual obligations for allocation of TTC.	NAESB should consider any contractual obligation for allocation of TTC.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-028-1 Requirement 1.4:	NAESB should consider this description.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-028-1 Requirement 1.5: The following information on how source and sink for transmission service is accounted for in ATC calculations including:	NAESB should consider this accounting of.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-028-1 Requirement 1.5.1: Define if the source used for Available Transfer Capability (ATC) calculations is obtained from the source field or the Point of Receipt (POR) field of the transmission reservation	NAESB should consider this definition.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-028-1 Requirement 1.5.2: Define if the sink used for ATC calculations is obtained from the sink field or the Point of Delivery (POD) field of the transmission reservation	NAESB should consider this definition.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-028-1 Requirement 1.5.3: The source/sink or POR/POD identification and mapping to the model.	NAESB should consider this identification.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-028-1 Requirement 1.5.4: If the Transmission Service Provider's ATC calculation process involves a grouping of generation, the ATCID must identify how these generators participate in the group.	NAESB should consider this identification.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-028-1 Requirement 2: When calculating TTC for ATC Paths, the Transmission Operator shall use a Transmission model that contains all of the following: [Time Horizon: Operations Planning]	N/A	N/A
MOD-028-1 Requirement 2.1: Modeling data and topology of its Reliability Coordinator's area of responsibility. Equivalent representation of radial lines and facilities 161 kV or below is allowed.	NAESB should consider this area for the TOPs Transmission model.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-028-1 Requirement 2.2: Modeling data and topology (or equivalent representation) for immediately adjacent and beyond Reliability Coordination areas.	NAESB should consider these areas for the TOPs Transmission model.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-028-1 Requirement 3: When calculating TTCs for ATC Paths, the Transmission Operator shall include the following data for the Transmission Service Provider’s area. The Transmission Operator shall also include the following data associated with Facilities that are explicitly represented in the Transmission model, as provided by adjacent Transmission Service Providers and any other Transmission Service Providers with which coordination agreements have been executed: [Time Horizon: Operations Planning]	NAESB should consider these areas for the TOPs Transmission model.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-028-1 Requirement 3.1: For on-peak and off-peak intra-day and next-day TTCs, use the following (as well as any other values and additional parameters as specified in the ATCID):	N/A	N/A
MOD-028-1 Requirement 3.1.1: Expected generation and Transmission outages, additions, and retirements, included as specified in the ATCID.	NAESB should consider whether to be specific in its TTC calculations for on-peak and off-peak intra-day and next-day TTCs.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-028-1 Requirement 3.1.2: Load forecast for the applicable period being calculated.	NAESB should consider whether to be specific in its TTC calculations for on-peak and off-peak intra-day and next-day TTCs.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-028-1 Requirement 3.1.3: Unit commitment and dispatch order, to include all designated network resources and other resources that are committed or have the legal obligation to run, (within or out of economic dispatch) as they are expected to run.	NAESB should consider whether to include all designated network resources that are committed or have the legal obligation to run in a business practice.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-028-1 Requirement 3.2: For days two through 31 TTCs and for months two through 13 TTCs, use the following (as well as any other values and internal parameters as specified in the ATCID):	N/A	N/A
MOD-028-1 Requirement 3.2.1: Expected generation and Transmission outages, additions, and Retirements, included as specified in the ATCID.	NAESB should consider whether to be specific in its TTC calculations for days two through 31 and months two through 13.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-28-1 Requirement 3.2.2: Daily load forecast for the days two through 31 TTCs being calculated and monthly forecast for months two through 13 months TTCs being calculated.	NAESB should consider whether to be specific in its TTC calculations for days two through 31 and months two through 13.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-028-1 Requirement 3.2.3: Unit commitment and dispatch order, to include all designated network resources and other resources that are committed or have the legal obligation to run, (within or out of economic dispatch) as they are expected to run.	NAESB should consider whether to include all designated network resources that are committed or have the legal obligation to run in a business practice.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-028-1 Requirement 4: When calculating TTCs for ATC Paths, the Transmission Operator shall meet all of the following conditions: [Time Horizon: Operations Planning]	N/A	N/A
MOD-028-1 Requirement 4.2: Respect any contractual allocations of TTC.	NAESB should review and determine if rules are needed for respecting contractual allocations. However considering that a "contractual allocations" implies there is already a contract or agreement in place, further regulation of that agreement may be unnecessary.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-028-1 Requirement 4.3: Include, for each time period, the Firm Transmission	NAESB should review and determines if rules are needed for the elements listed in 4.3.	The subcommittee should not consider this requirement during the standard development

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>Service expected to be scheduled as specified in the ATCID (filtered to reduce or eliminate duplicate impacts from transactions using Transmission service from multiple Transmission Service Providers) for the Transmission Service Provider, all adjacent Transmission Service Providers, and any Transmission Service Providers with which coordination agreements have been executed modeling the source and sink as follows:</p> <ul style="list-style-type: none"> • If the source, as specified in the ATCID, has been identified in the reservation and it is discretely modeled in the Transmission Service Provider’s Transmission model, use the discretely modeled point as the source. • If the source, as specified in the ATCID, has been identified in the reservation and the point can be mapped to an “equivalence” or “aggregate representation” in the Transmission Service Provider’s Transmission model, use the modeled equivalence or aggregate as the source. • If the source, as specified in the ATCID, has been identified in the reservation and the point cannot be mapped to a discretely modeled point, an “equivalence,” or an “aggregate representation” in the Transmission Service Provider’s Transmission model, use the immediately adjacent Balancing Authority associated with the Transmission Service Provider from which the power is to be received as the source. • If the source, as specified in the ATCID, has not been identified in the reservation, use the 		<p>process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.</p>

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>immediately adjacent Balancing Authority associated with the Transmission Service Provider from which the power is to be received as the source.</p> <ul style="list-style-type: none"> • If the sink, as specified in the ATCID, has been identified in the reservation and it is discretely modeled in the Transmission Service Provider’s Transmission model, use the discretely modeled point shall as the sink. • If the sink, as specified in the ATCID, has been identified in the reservation and the point can be mapped to an “equivalence” or “aggregate representation” in the Transmission Service Provider’s Transmission model, use the modeled equivalence or aggregate as the sink. • If the sink, as specified in the ATCID, has been identified in the reservation and the point cannot be mapped to a discretely modeled point, an “equivalence,” or an “aggregate representation” in the Transmission Service Provider’s Transmission model, use the immediately adjacent Balancing Authority associated with the Transmission Service Provider to which the power is to be delivered as the sink. • If the sink, as specified in the ATCID, has not been identified in the reservation, use the immediately adjacent Balancing Authority associated with the Transmission Service Provider to which the power is being delivered as the sink. 		

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-028-1 Requirement 5: Each Transmission Operator shall establish TTC for each ATC Path as defined below: [Time Horizon: Operations Planning]	Requirement R2 of the proposed NERC standard requires entities to have an ATCID. Although no longer required under NERC's standards, it is expected that entities will continue to calculate values for these time ranges and describe those calculations in its ATCID.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-028-1 Requirement 5.1: At least once within the seven calendar days prior to the specified period for TTCs used in hourly and daily ATC calculations.	Requirement R2 of the proposed NERC standard requires entities to have an ATCID. Although no longer required under NERC's standards, it is expected that entities will continue to calculate values for these time ranges and describe those calculations in its ATCID.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-028-1 Requirement 5.2: At least once per calendar month for TTCs used in monthly ATC calculations.	Requirement R2 of the proposed NERC standard requires entities to have an ATCID. Although no longer required under NERC's standards, it is expected that entities will continue to calculate values for these time ranges and describe those calculations in its ATCID.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-028-1 Requirement 5.3: Within 24 hours of the unexpected outage of a 500 kV or higher transmission Facility or a transformer with a low-side voltage of 200 kV or higher for TTCs in effect during the anticipated duration of the outage, provided such outage is expected to last 24 hours or longer.	Requirement R2 of the proposed NERC standard requires entities to have an ATCID. Although no longer required under NERC's standards, it is expected that entities will continue to calculate values for these time ranges and describe those calculations in its ATCID.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-028-1 Requirement 6: Each Transmission Operator shall establish TTC for each ATC Path using the following process: [Time Horizon: Operations Planning]	N/A	N/A
MOD-028-1 Requirement 6.1: Determine the incremental Transfer Capability for each ATC Path by increasing generation and/or decreasing load within the source Balancing Authority area and decreasing generation and/or increasing load within the sink Balancing Authority area until either: <ul style="list-style-type: none"> • A System Operating Limit is reached on the Transmission Service Provider's system, or • A SOL is reached on any other adjacent system in the Transmission model that is not on the study path and the distribution factor is 5% or greater. 	Incremental Transfer Capability is a concept inside of the Area Interchange Method, and the reaching of System Operating Limits and how the system is adjusted is required to be included per the standard. The remaining parts of this requirement just relate to details on how to perform the calculation which are well detailed in various places. NAESB should review this requirement but the ATCSDT does not believe additional work by NAESB is required.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the Area Interchange method to determine if this requirement should be addressed in the NAESB standards.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>MOD-028-1 Requirement 6.2: If the limit in step R6.1 cannot be reached by adjusting any combination of load or generation, then set the incremental Transfer Capability by the results of the case where the maximum adjustments were applied.</p>	<p>Incremental Transfer Capability is a concept inside of the Area Interchange Method, and the reaching of System Operating Limits and how the system is adjusted is required to be included per the standard. The remaining parts of this requirement just relate to details on how to perform the calculation which are well detailed in various places. NAESB should review this requirement but the ATCSDT does not believe additional work by NAESB is required.</p>	<p>The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the Area Interchange method to determine if this requirement should be addressed in the NAESB standards.</p>
<p>MOD-028-1 Requirement 6.3: Use (as the TTC) the lesser of:</p> <ul style="list-style-type: none"> • The sum of the incremental Transfer Capability and the impacts of Firm Transmission Services, as specified in the Transmission Service Provider’s ATCID, that were included in the study model, or • The sum of Facility Ratings of all ties comprising the ATC Path. 	<p>NAESB should review and determine if guidelines are needed that limit TTC to the sum of ties. The new standard doesn't prevent "Sum of Facility Ratings" as a limit on the path, however it doesn't prescribe it either. "Sum of Facility Ratings" is a commercial concept and should be considered by NAESB.</p>	<p>The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. In reviewing the requirement, the subcommittee should consider the possibility that calculations may be higher than the flows that a physical tie line can accommodate. This could allow for intentional loop flows on other systems.</p>
<p>MOD-028-1 Requirement 6.4: For ATC Paths whose capacity uses jointly-owned or allocated Facilities, limit TTC for each Transmission Service Provider so the TTC does not exceed each Transmission Service Provider’s contractual rights.</p>	<p>NAESB could set guidelines regarding TTC values being lower than contractual share, however that may already be covered by contractual obligations.</p>	<p>The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.</p>

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>MOD-028-1 Requirement 7: The Transmission Operator shall provide the Transmission Service Provider of that ATC Path with the most current value for TTC for that ATC Path no more than: [Time Horizon: Operations Planning]</p>	<p>NAESB should consider setting guidelines on the calculations of firm and non-firm ATC for an ATC Path for specified periods.</p>	<p>The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should consider if a standard is needed to address a gap between TOP calculation of TTC and the TSP use of the current TTC in ATC calculations. Refer to NERC Standards TOP-003-2 R3 and R4 and IRO-002 R12 for transmission operator requirements.</p>
<p>MOD-028-1 Requirement 7.1: One calendar day after its determination for TTCs used in hourly and daily ATC calculations.</p>	<p>NAESB should consider setting guidelines on the calculations of firm and non-firm ATC for an ATC Path for specified periods.</p>	<p>The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should consider if a standard is needed to address a gap between TOP calculation of TTC and the TSP use of the current TTC in ATC calculations. Refer to NERC Standards TOP-003-2 R3 and R4 and IRO-002 R12 for transmission operator requirements.</p>
<p>MOD-028-1 Requirement 7.2: Seven calendar days after its determination for TTCs used in monthly ATC calculations.</p>	<p>NAESB should consider setting guidelines on the calculations of firm and non-firm ATC for an ATC Path for specified periods.</p>	<p>The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should consider if a standard is needed to address a gap between TOP calculation of TTC and the TSP use of the current TTC in ATC calculations. Refer to NERC Standards TOP-003-2 R3 and R4 and IRO-002 R12 for transmission operator requirements.</p>

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-028-1 Requirement 8: When calculating Existing Transmission Commitments (ETCs) for firm commitments (ETCF) for all time periods for an ATC Path the Transmission Service Provider shall use the following algorithm: [Time Horizon: Operations Planning] See Standard for Formula	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the requirement for ETC to determine if NAESB standards should address. The subcommittee should review ETC related requirements found in WEQ-001.
MOD-028-1 Requirement 9: When calculating ETC for non-firm commitments (ETCNF) for all time periods for an ATC Path the Transmission Service Provider shall use the following algorithm: [Time Horizon: Operations Planning] See Standard for Formula	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the requirement for ETC to determine if NAESB standards should address. The subcommittee should review ETC related requirements found in WEQ-001.
MOD-028-1 Requirement 10: When calculating firm ATC for an ATC Path for a specified period, the Transmission Service Provider shall utilize the following algorithm: [Time Horizon: Operations Planning] See Standard for Formula	NAESB should consider setting guidelines on the calculations of firm and non-firm ATC for an ATC Path for specified periods.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the requirement for ATC to determine if NAESB standards should address. The subcommittee should review ATC related requirements found in WEQ-001.
MOD-028-1 Requirement 11: When calculating non-firm ATC for a ATC Path for a specified period, the Transmission Service Provider shall use the following algorithm: [Time Horizon: Operations Planning] See Standard for Formula	NAESB should consider setting guidelines on the calculations of firm and non-firm ATC for an ATC Path for specified periods.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the requirement for ATC to determine if NAESB standards should address. The subcommittee should review ATC related requirements found in WEQ-001.
MOD-029-1a Requirement 1: When calculating TTCs for ATC Paths, the Transmission Operator	N/A	N/A

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
shall use a Transmission model which satisfies the following requirements: [Time Horizon: Operations Planning]		
MOD-029-1a Requirement 1.1: The model utilizes data and assumptions consistent with the time period being studied and that meets the following criteria:	NAESB should consider these output levels for the TOPs Transmission model.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-029-1a Requirement 1.1.1: Includes at least:	N/A	N/A
MOD-029-1a Requirement 1.1.1.1: The Transmission Operator area. Equivalent representation of radial lines and facilities 161kV or below is allowed.	NAESB should consider this area for the TOPs Transmission model.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-029-1a Requirement 1.1.1.2: All Transmission Operator areas contiguous with its own Transmission Operator area. (Equivalent representation is allowed.)	NAESB should consider this area for the TOPs Transmission model.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-029-1a Requirement 1.1.1.3: Any other Transmission Operator area linked to the Transmission Operator’s area by joint operating agreement. (Equivalent representation is allowed.)	NAESB should consider these joint operating agreements for the TOPs Transmission model.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-029-1a Requirement 1.1.2: Models all system Elements as in-service for the assumed initial conditions.	NAESB should consider these elements for the TOPs Transmission model.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-029-1a Requirement 1.1.3: Models all generation (may be either a single generator or multiple generators) that is greater than 20 MVA at the point of interconnection in the studied area.	NAESB should consider generation for the TOPs Transmission model.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-029-1a Requirement 1.1.4: Models phase shifters in non-regulating mode, unless otherwise specified in the Available Transfer Capability Implementation Document (ATCID).	NAESB should consider phase shifters for the TOPs Transmission model.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-029-1a Requirement 1.1.8: Uses Special Protection System (SPS) models where currently existing or projected for implementation within the studied time horizon.	NAESB should consider this requirement, however the ATCSDT believes this is basic modeling information already described under R1.2 and R2.1 and that further specificity is not required.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-029-1a Requirement 1.1.9: Models series compensation for each line at the expected operating level unless specified otherwise in the ATCID.	NAESB should consider this requirement, however the ATCSDT believes this is basic modeling information already described under R1.2 and R2.1 and that further specificity is not required.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-029-1a Requirement 2: The Transmission Operator shall use the following process to determine TTC: [Time Horizon: Operations Planning]	N/A	N/A

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-029-1a Requirement 2.1: Except where otherwise specified within MOD-029-1, adjust base case generation and Load levels within the updated power flow model to determine the TTC (maximum flow or reliability limit) that can be simulated on the ATC Path while at the same time satisfying all planning criteria contingencies as follows:	N/A	N/A
MOD-029-1a Requirement 2.1.1: When modeling normal conditions, all Transmission Elements will be modeled at or below 100% of their continuous rating.	NAESB should consider this component when determining TTC while satisfying this planning criteria contingency.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-029-1a Requirement 2.1.2: When modeling contingencies the system shall demonstrate transient, dynamic and voltage stability, with no Transmission Element modeled above its Emergency Rating.	NAESB should consider this component when determining TTC while satisfying this planning criteria contingency.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-029-1a Requirement 2.1.3: Uncontrolled separation shall not occur.	NAESB should consider this component when determining TTC while satisfying this planning criteria contingency.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-029-1a Requirement 2.2: Where it is impossible to actually simulate a reliability-limited flow in a direction counter to prevailing flows (on an alternating current Transmission line), set the TTC for the non-prevailing direction equal to the TTC in the prevailing direction. If the TTC in the prevailing flow direction is dependent on a Special Protection System (SPS), set the TTC for the non-prevailing flow direction equal to the greater of the maximum flow that can be simulated in the non-prevailing flow direction or the maximum TTC that can be achieved in the prevailing flow direction without use of a SPS.	NAESB should consider this as a business practice to provide a result when a reliability constraint can't be reached. This level of information is appropriate in an instructional text but is not a reliability requirement.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-029-1a Requirement 2.3: For an ATC Path whose capacity is limited by contract, set TTC on the ATC Path at the lesser of the maximum allowable contract capacity or the reliability limit as determined by R2.1.	NAESB should consider those ATC Paths who's capacity is limited by contract and how the setting of TTC is affected.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. In reviewing the requirement, the subcommittee should consider the possibility that calculations may be higher than the flows that physical tie lines can accommodate. This could allow for intentional loop flows on other systems.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-029-1a Requirement 2.4: For an ATC Path whose TTC varies due to simultaneous interaction with one or more other paths, develop a nomogram describing the interaction of the paths and the resulting TTC under specified conditions.	NAESB should consider requiring TOPs to develop a nomogram describing the interaction of the paths who TTC varies due to simultaneous interactions with one or more other paths.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-029-1a Requirement 2.5: The Transmission Operator shall identify when the TTC for the ATC Path being studied has an adverse impact on the TTC value of any existing path. Do this by modeling the flow on the path being studied at its proposed new TTC level simultaneous with the flow on the existing path at its TTC level while at the same time honoring the reliability criteria outlined in R2.1. The Transmission Operator shall include the resolution of this adverse impact in its study report for the ATC Path.	NAESB should consider on stating how the TTC for an ATC Path has an adverse impact on the TTC value of any existing path.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-029-1a Requirement 2.6: Where multiple ownership of Transmission rights exists on an ATC Path, allocate TTC of that ATC Path in accordance with the contractual agreement made by the multiple owners of that ATC Path.	NAESB should consider cases where there are multiple owners of transmission rights on an ATC Path and how that relates to the allocation of TTC and that contractual obligations are met.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>MOD-029-1a Requirement 2.7: For ATC Paths whose path rating, adjusted for seasonal variance, was established, known and used in operation since January 1, 1994, and no action has been taken to have the path rated using a different method, set the TTC at that previously established amount.</p>	<p>This is allowed under R1, but not prescribed since there is no similar concept under MOD-028 or MOD-030. Therefore, NAESB may consider this setting of TTC for Rated System Path users.</p>	<p>The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.</p>
<p>MOD-029-1a Requirement 2.8: Create a study report that describes the steps above that were undertaken (R2.1 – R2.7), including the contingencies and assumptions used, when determining the TTC and the results of the study. Where three phase fault damping is used to determine stability limits, that report shall also identify the percent used and include justification for use unless specified otherwise in the ATCID.</p>	<p>NAESB should consider this requirement as a business practice when determining TTC based on the various components above.</p>	<p>The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.</p>
<p>MOD-029-1a Requirement 3: Each Transmission Operator shall establish the TTC at the lesser of the value calculated in R2 or any System Operating Limit (SOL) for that ATC Path. [Time Horizon: Operations Planning]</p>	<p>R1.1 states that TTC must account for SOL, but doesn't require (or forbid) the use of a lower value. Therefore, NAESB may consider this prescriptiveness.</p>	<p>The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.</p>

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-029-1a Requirement 5: When calculating ETC for firm Existing Transmission Commitments (ETCF) for a specified period for an ATC Path, the Transmission Service Provider shall use the algorithm below: [Time Horizon: Operations Planning] See Standard for Formula	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the requirement for ETC to determine if NAESB standards should address. The subcommittee should review ETC related requirements found in WEQ-001,
MOD-029-1a Requirement 6: When calculating ETC for non-firm Existing Transmission Commitments (ETCNF) for all time horizons for an ATC Path the Transmission Service Provider shall use the following algorithm: [Time Horizon: Operations Planning] See Standard for Formula	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the requirement for ETC to determine if NAESB standards should address. The subcommittee should review ETC related requirements found in WEQ-001.
MOD-029-1a Requirement 7: When calculating firm ATC for an ATC Path for a specified period, the Transmission Service Provider shall use the following algorithm: [Time Horizon: Operations Planning] See Standard for Formula	NAESB should consider setting guidelines on the calculations of firm and non-firm ATC for an ATC Path for specified periods.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the requirement for ATC to determine if NAESB standards should address. The subcommittee should review ATC related requirements found in WEQ-001.
MOD-029-1a Requirement 8: When calculating non-firm ATC for an ATC Path for a specified period, the Transmission Service Provider shall use the following algorithm:[Time Horizon: Operations Planning] See Standard for Formula	NAESB should consider setting guidelines on the calculations of firm and non-firm ATC for an ATC Path for specified periods.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the requirement for ATC to determine if NAESB standards should address. The subcommittee should review ATC related requirements found in WEQ-001.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-030-2 Requirement 1: The Transmission Service Provider shall include in its “Available Transfer Capability Implementation Document” (ATCID): [Time Horizon: Operations Planning]	N/A	N/A
MOD-030-2 Requirement 1.1: The criteria used by the Transmission Operator to identify sets of Transmission Facilities as Flowgates that are to be considered in Available Flowgate Capability (AFC) calculations.	NAESB should consider the criteria for the TOP to identify sets of Facilities as Flowgates.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 1.2: The following information on how source and sink for transmission service is accounted for in AFC calculations including:	NAESB should consider how source and sinks are accounted for.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 1.2.1: Define if the source used for AFC calculations is obtained from the source field or the Point of Receipt (POR) field of the transmission reservation.	NAESB should consider how source and sinks are accounted for.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-030-2 Requirement 1.2.2: Define if the sink used for AFC calculations is obtained from the sink field or the Point of Delivery (POD) field of the transmission reservation.	NAESB should consider how source and sinks are accounted for.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 1.2.3: The source/sink or POR/POD identification and mapping to the model.	NAESB should consider how source and sinks are accounted for.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 1.2.4: If the Transmission Service Provider's AFC calculation process involves a grouping of generators, the ATCID must identify how these generators participate in the group.	NAESB should consider the grouping of generators.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 2: The Transmission Operator shall perform the following: [Time Horizon: Operations Planning]	N/A	N/A
MOD-030-2 Requirement 2.1: Include Flowgates used in the AFC process based, at a minimum, on the following criteria:	N/A	N/A

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-030-2 Requirement 2.1.1: Results of a first Contingency transfer analysis for ATC Paths internal to a Transmission Operator’s system up to the path capability such that at a minimum the first three limiting Elements and their worst associated Contingency combinations with an OTDF of at least 5% and within the Transmission Operator’s system are included as Flowgates.	NAESB should consider these criteria in including Flowgates.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 2.1.1.1: Use first Contingency criteria consistent with those first Contingency criteria used in planning of operations for the applicable time periods, including use of Special Protection Systems.	NAESB should consider these criteria in including Flowgates.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 2.1.1.2: Only the most limiting element in a series configuration needs to be included as a Flowgate.	NAESB should consider these criteria in including Flowgates.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-030-2 Requirement 2.1.1.3: If any limiting element is kept within its limit for its associated worst Contingency by operating within the limits of another Flowgate, then no new Flowgate needs to be established for such limiting elements or Contingencies.	NAESB should consider these criteria in including Flowgates.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 2.1.2: Results of a first Contingency transfer analysis from all adjacent Balancing Authority source and sink (as defined in the ATCID) combinations up to the path capability such that at a minimum the first three limiting Elements and their worst associated Contingency combinations with an Outage Transfer Distribution Factor (OTDF) of at least 5% and within the Transmission Operator’s system are included as Flowgates unless the interface between such adjacent Balancing Authorities is accounted for using another ATC methodology.	NAESB should consider these criteria in including Flowgates.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 2.1.2.1: Use first Contingency criteria consistent with those first Contingency criteria used in planning of operations for the applicable time periods, including use of Special Protection Systems.	NAESB should consider these criteria in including Flowgates.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-030-2 Requirement 2.1.2.2: Only the most limiting element in a series configuration needs to be included as a Flowgate.	NAESB should consider these criteria in including Flowgates.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 2.1.2.3: If any limiting element is kept within its limit for its associated worst Contingency by operating within the limits of another Flowgate, then no new Flowgate needs to be established for such limiting elements or Contingencies.	NAESB should consider these criteria in including Flowgates.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 2.2: At a minimum, establish a list of Flowgates by creating, modifying, or deleting Flowgate definitions at least once per calendar year.	N/A	This subcommittee should not consider this requirement during the standards development process. The task force believes this requirement is not necessary in the NAESB WEQ Business Practice Standards as it is already covered by proposed MOD-001-2 Requirements.
MOD-030-2 Requirement 2.3: At a minimum, establish a list of Flowgates by creating, modifying, or deleting Flowgates that have been requested as part of R2.1.4 within thirty calendar days from the request.	N/A	This subcommittee should not consider this requirement during the standards development process. The task force believes this requirement is not necessary in the NAESB WEQ Business Practice Standards as it is already covered by proposed MOD-001-2 Requirements

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-030-2 Requirement 2.5: At a minimum, establish the TFC once per calendar year.	N/A	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards
MOD-030-2 Requirement 2.5.1: If notified of a change in the Rating by the Transmission Owner that would affect the TFC of a flowgate used in the AFC process, the TFC should be updated within seven calendar days of the notification.	N/A	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards
MOD-030-2 Requirement 2.6: Provide the Transmission Service Provider with the TFCs within seven calendar days of their establishment.	N/A	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards
MOD-030-2 Requirement 3: The Transmission Operator shall make available to the Transmission Service Provider a Transmission model to determine Available Flowgate Capability (AFC) that meets the following criteria: [Time Horizon: Operations Planning]	N/A	N/A
MOD-030-2 Requirement 3.1: Contains generation Facility Ratings, such as generation maximum and minimum output levels, specified by the Generator Owners of the Facilities within the model.	NAESB should consider these output levels for the TOPs Transmission model.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-030-2 Requirement 3.2: Updated at least once per day for AFC calculations for intra-day, next day, and days two through 30.	NAESB should consider these updates for the TOPs Transmission model.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 3.3: Updated at least once per month for AFC calculations for months two through 13.	NAESB should consider these updates for the TOPs Transmission model.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 3.4: Contains modeling data and system topology for the Facilities within its Reliability Coordinator’s Area. Equivalent representation of radial lines and Facilities 161kV or below is allowed.	NAESB should consider this for the TOPs Transmission model.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>MOD-030-2 Requirement 3.5: Contains modeling data and system topology (or equivalent representation) for immediately adjacent and beyond Reliability Coordination Areas.</p>	<p>NAESB should consider this for the TOPs Transmission model.</p>	<p>The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.</p>
<p>MOD-030-2 Requirement 4: When calculating AFCs, the Transmission Service Provider shall represent the impact of Transmission Service as follows: [Time Horizon: Operations Planning]</p> <ul style="list-style-type: none"> • If the source, as specified in the ATCID, has been identified in the reservation and it is discretely modeled in the Transmission Service Provider’s Transmission model, use the discretely modeled point as the source. • If the source, as specified in the ATCID, has been identified in the reservation and the point can be mapped to an “equivalence” or “aggregate” representation in the Transmission Service Provider’s Transmission model, use the modeled equivalence or aggregate as the source. • If the source, as specified in the ATCID, has been identified in the reservation and the point cannot be mapped to a discretely modeled point or an “equivalence” representation in the Transmission Service Provider’s Transmission model, use the immediately adjacent Balancing Authority associated with the Transmission Service Provider from which the power is to be 	<p>N/A</p>	<p>The subcommittee should review the requirement for inclusion in the NAESB WEQ Business Practice Standards.</p>

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>received as the source.</p> <ul style="list-style-type: none"> • If the source, as specified in the ATCID, has not been identified in the reservation use the immediately adjacent Balancing Authority associated with the Transmission Service Provider from which the power is to be received as the source. • If the sink, as specified in the ATCID, has been identified in the reservation and it is discretely modeled in the Transmission Service Provider’s Transmission model, use the discretely modeled point as the sink. • If the sink, as specified in the ATCID, has been identified in the reservation and the point can be mapped to an “equivalence” or “aggregate” representation in the Transmission Service Provider’s Transmission model, use the modeled equivalence or aggregate as the sink. • If the sink, as specified in the ATCID, has been identified in the reservation and the point cannot be mapped to a discretely modeled point or an “equivalence” representation in the Transmission Service Provider’s Transmission model, use the immediately adjacent Balancing Authority associated with the Transmission Service Provider receiving the power as the sink. • If the sink, as specified in the ATCID, has not been identified in the reservation use the immediately adjacent Balancing Authority associated with the Transmission Service Provider receiving the power as the sink. 		

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-030-2 Requirement 6: When calculating the impact of ETC for firm commitments (ETCFi) for all time periods for a Flowgate, the Transmission Service Provider shall sum the following: [Time Horizon: Operations Planning]	N/A	N/A
MOD-030-2 Requirement 6.1: The impact of firm Network Integration Transmission Service, including the impacts of generation to load, in the model referenced in R5.2 for the Transmission Service Provider's area, based on:	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 6.1.1: Load forecast for the time period being calculated, including Native Load and Network Service load	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 6.1.2: Unit commitment and Dispatch Order, to include all designated network resources and other resources that are committed or have the legal obligation to run as specified in the Transmission Service Provider's ATCID.	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the requirement for ETC to determine if NAESB standards should address. The subcommittee should review ETC related requirements found in WEQ-001.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-030-2 Requirement 6.2: The impact of any firm Network Integration Transmission Service, including the impacts of generation to load in the model referenced in R5.2 and has a distribution factor equal to or greater than the percentage used to curtail in the Interconnection-wide congestion management procedure used by the Transmission Service Provider, for all adjacent Transmission Service Providers and any other Transmission Service Providers with which coordination agreements have been executed based on:	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 6.2.1: Load forecast for the time period being calculated, including Native Load and Network Service load	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 6.2.2: Unit commitment and Dispatch Order, to include all designated network resources and other resources that are committed or have the legal obligation to run as specified in the Transmission Service Provider's ATCID.	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-030-2 Requirement 6.3: The impact of all confirmed firm Point-to-Point Transmission Service expected to be scheduled, including roll-over rights for Firm Transmission Service contracts, for the Transmission Service Provider’s area.	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 6.4: The impact of any confirmed firm Point-to-Point Transmission Service expected to be scheduled, filtered to reduce or eliminate duplicate impacts from transactions using Transmission service from multiple Transmission Service Providers, including roll-over rights for Firm Transmission Service contracts having a distribution factor equal to or greater than the percentage used to curtail in the Interconnection-wide congestion management procedure used by the Transmission Service Provider, for all adjacent Transmission Service Providers and any other Transmission Service Providers with which coordination agreements have been executed.	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 6.5: The impact of any Grandfathered firm obligations expected to be scheduled or expected to flow for the Transmission Service Provider’s area.	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the requirement for ETC to determine if NAESB standards should address. The subcommittee should review ETC related requirements found in WEQ-001.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>MOD-030-2 Requirement 6.6: The impact of any Grandfathered firm obligations expected to be scheduled or expected to flow that have a distribution factor equal to or greater than the percentage used to curtail in the Interconnection-wide congestion management procedure used by the Transmission Service Provider, for all adjacent Transmission Service Providers and any other Transmission Service Providers with which coordination agreements have been executed.</p>	<p>NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.</p>	<p>The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the requirement for ETC to determine if NAESB standards should address. The subcommittee should review ETC related requirements found in WEQ-001.</p>
<p>MOD-030-2 Requirement 6.7: The impact of other firm services determined by the Transmission Service Provider.</p>	<p>NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.</p>	<p>The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.</p>
<p>MOD-030-2 Requirement 7: When calculating the impact of ETC for non-firm commitments (ETCNFi) for all time periods for a Flowgate the Transmission Service Provider shall sum: [Time Horizon: Operations Planning]</p>	<p>NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.</p>	<p>The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.</p>

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>MOD-030-2 Requirement 7.1: The impact of all confirmed non-firm Point-to-Point Transmission Service expected to be scheduled for the Transmission Service Provider’s area.</p>	<p>NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.</p>	<p>The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.</p>
<p>MOD-030-2 Requirement 7.2: The impact of any confirmed non-firm Point-to-Point Transmission Service expected to be scheduled, filtered to reduce or eliminate duplicate impacts from transactions using Transmission service from multiple Transmission Service Providers, that have a distribution factor equal to or greater than the percentage used to curtail in the Interconnection-wide congestion management procedure used by the Transmission Service Provider, for all adjacent Transmission Service Providers and any other Transmission Service Providers with which coordination agreements have been executed.</p>	<p>NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.</p>	<p>The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.</p>
<p>MOD-030-2 Requirement 7.3: The impact of any Grandfathered non-firm obligations expected to be scheduled or expected to flow for the Transmission Service Provider’s area.</p>	<p>NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.</p>	<p>The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.</p>

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-030-2 Requirement 7.4: The impact of any Grandfathered non-firm obligations expected to be scheduled or expected to flow that have a distribution factor equal to or greater than the percentage used to curtail in the Interconnection-wide congestion management procedure used by the Transmission Service Provider, for all adjacent Transmission Service Providers and any other Transmission Service Providers with which coordination agreements have been executed.	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 7.5: The impact of non-firm Network Integration Transmission Service serving Load within the Transmission Service Provider’s area (i.e., secondary service), to include load growth, and losses not otherwise included in Transmission Reliability Margin or Capacity Benefit Margin.	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 7.6: Provider, filtered to reduce or eliminate duplicate impacts from transactions using Transmission service from multiple Transmission Service Providers, for all adjacent Transmission Service Providers and any other Transmission Service Providers with which coordination agreements have been executed.	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-030-2 Requirement 7.7: The impact of other non-firm services determined by the Transmission Service Provider.	NAESB should consider setting guidelines on what values go in ETC and require the disclosure of how certain types of contracts are handled.	The subcommittee should not consider this requirement during the standard development process. The TFC and TTC methodologies are pointed at the Transmission Operator and are already requirements in proposed MOD-001-2 Requirement 1. TFC and TTC are a limit to commercial activity over a flowgate or a path with respect to reliability limits.
MOD-030-2 Requirement 8: When calculating firm AFC for a Flowgate for a specified period, the Transmission Service Provider shall use the following algorithm (subject to allocation processes described in the ATCID): [Time Horizon: Operations Planning] See Standard for Formula	NAESB should consider adding a business practice for the TSP to use the algorithm in this requirement.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the requirement for AFC/ATC to determine if NAESB standards should address. The subcommittee should review AFC/ATC related requirements found in WEQ-001.
MOD-030-2 Requirement 9: When calculating non-firm AFC for a Flowgate for a specified period, the Transmission Service Provider shall use the following algorithm (subject to allocation processes described in the ATCID): [Time Horizon: Operations Planning] See Standard for Formula	NAESB should consider adding a business practice for the TSP to use the algorithm in this requirement.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the requirement for AFC/ATC to determine if NAESB standards should address. The subcommittee should review AFC/ATC related requirements found in WEQ-001.

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
<p>MOD-030-2 Requirement 10: Each Transmission Service Provider shall recalculate AFC, utilizing the updated models described in R3.2, R3.3, and R5, at a minimum on the following frequency, unless none of the calculated values identified in the AFC equation have changed: [Time Horizon: Operations Planning]</p>	<p>NAESB should consider adding a business practice to provide the recalculating of AFC based on the frequencies below unless none of the calculated values have changed.</p>	<p>The subcommittee should not consider this requirement during the standards development process. These requirements touch upon the calculation portion of AFC. FERC has indicated that a customer can request calculation information from providers if there are questions. This requirement is overly prescriptive, would require significant documentation to show compliance, and would not provide any additional business value. Posting requirements can be audited because all postings on OASIS have time stamps.</p>
<p>MOD-030-2 Requirement 10.1: For hourly AFC, once per hour. Transmission Service Providers are allowed up to 175 hours per calendar year during which calculations are not required to be performed, despite a change in a calculated value identified in the AFC equation.</p>	<p>NAESB should consider adding a business practice to provide the recalculating of AFC based on the frequencies below unless none of the calculated values have changed.</p>	<p>The subcommittee should not consider this requirement during the standards development process. These requirements touch upon the calculation portion of AFC. FERC has indicated that a customer can request calculation information from providers if there are questions. This requirement is overly prescriptive, would require significant documentation to show compliance, and would not provide any additional business value. Posting requirements can be audited because all postings on OASIS have time stamps.</p>

Appendix A: Matrix of Requirements Addressed by the NAESB Wholesale Electric
Quadrant Executive Committee MOD Standard Scoping Task Force
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination
MOD-030-2 Requirement 10.2: For daily AFC, once per day.	NAESB should consider adding a business practice to provide the recalculating of AFC based on the frequencies below unless none of the calculated values have changed.	The subcommittee should not consider this requirement during the standards development process. These requirements touch upon the calculation portion of AFC. FERC has indicated that a customer can request calculation information from providers if there are questions. This requirement is overly prescriptive, would require significant documentation to show compliance, and would not provide any additional business value. Posting requirements can be audited because all postings on OASIS have time stamps.
MOD-030-2 Requirement 10.3: For monthly AFC, once per week.	NAESB should consider adding a business practice to provide the recalculating of AFC based on the frequencies below unless none of the calculated values have changed.	The subcommittee should not consider this requirement during the standards development process. These requirements touch upon the calculation portion of AFC. FERC has indicated that a customer can request calculation information from providers if there are questions. This requirement is overly prescriptive, would require significant documentation to show compliance, and would not provide any additional business value. Posting requirements can be audited because all postings on OASIS have time stamps.
MOD-030-2 Requirement 11: When converting Flowgate AFCs to ATCs for ATC Paths, the Transmission Service Provider shall convert those values based on the following algorithm: [Time Horizon: Operations Planning] See Standard for Formula	NAESB should consider adding a business practice for the TSP to use the algorithm in this requirement for converting AFC values to ATC values for ATC paths.	The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the requirement for AFC/ATC to determine if NAESB standards should address. The subcommittee should review AFC/ATC related requirements found in WEQ-001.

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix B: List of NAESB WEQ Executive Committee MOD Standard Scoping Task Force Participants
December 18, 2014

Participants Sorted by Company Name
(Includes WEQ Executive Committee Members and Alternates)

Buccigross, Jim	8760 Inc.	Henry, Nick	Federal Energy Regulatory Commission Staff
Phillips, Ray	Alabama Municipal Electric Authority	Herbert, Michael	Federal Energy Regulatory Commission Staff
Pommen, Diana	Alberta Electric System Operator	Masood, Abdur	Federal Energy Regulatory Commission Staff
True, Roy	Alliance for Cooperative Energy Services Power Marketing LLC	Young, Chris	Federal Energy Regulatory Commission Staff
Norton, Chris	American Municipal Power, Inc.	Kovacs, Ross	Georgia Transmission Corporation
Bean, Robert	Arizona Public Service Company	McGovern, Patrick	Georgia Transmission Corporation
Molotch, Lori	Arizona Public Service Company	Willis, Troy	Georgia Transmission Corporation
Tran, Stephen	BC Hydro	Kee, Lila	GMO GlobalSign, Inc.
Anderson, Brenda	Bonneville Power Administration	Coughlin, Robert	ISO New England, Inc.
Berdahl, Rebecca	Bonneville Power Administration	Goldberg, Matt	ISO New England, Inc.
Hall, Lee	Bonneville Power Administration	Mendrala, Cheryl	ISO New England, Inc.
Halpin, Francis	Bonneville Power Administration	Pearson, John	ISO New England, Inc.
Jones, Chris	Bonneville Power Administration	Winkler, Eric	ISO New England, Inc.
Mantifel, Russ	Bonneville Power Administration	Bilke, Terry	MISO
Pompel, Marie	Bonneville Power Administration	Francis, Dave	MISO
Steigerwald, Mike	Bonneville Power Administration	Knox, Marie	MISO
Hansen, Brad	Bonneville Power Administration	Nguyen, Tung	MISO
Jacobsen, Brian	California ISO	Skiba, Ed	MISO
Villarreal, Christopher	California Public Utilities Commission	Zhu, Kun	MISO
Peress, N. Jonathan	Conservation Law Foundation	Booe, Jonathan	NAESB
Philips, Marjorie	Direct Energy	Mallett, Elizabeth	NAESB
Rosenbluth		Trum, Caroline	NAESB
Oberski, Lou	Dominion Energy Marketing, Inc.	Campoli, Greg	New York Independent System Operator, Inc.
Hall, Edmund J.	Dominion Voltage, Inc.	Cardone, Ernie	New York Independent System Operator, Inc.
Anthony, Mike	Duke Energy Corporation	Castle, Jim	New York Independent System Operator, Inc.
Armstrong, Jack	Duke Energy Corporation	Gildea, Michael	North American Electric Reliability Corporation
Graves, Paul	Duke Energy Corporation	Iwanechko, Kristin	North American Electric Reliability Corporation
Lowen, Mike	Duke Energy Corporation	Steward, Ryan	North American Electric Reliability Corporation
Pritchard, Alan	Duke Energy Corporation	Lemire, John	North Carolina Electric Membership Corporation
Bivens, Carrie	Electric Reliability Council of Texas, Inc.	Manning, James	North Carolina Electric Membership Corporation
Dumas, John	Electric Reliability Council of Texas, Inc.	Johnson, Alan	NRG Energy, Inc.
Patterson, Mark	Electric Reliability Council of Texas, Inc.	Franz, Marilyn	NV Energy
Wattles, Paul	Electric Reliability Council of Texas, Inc.		
Aymond, Clint	Entergy Services, Inc.		
Saini, Narinder	Entergy Services, Inc.		
Bak, Brian	Federal Energy Regulatory Commission Staff		
Dobbins, Tony	Federal Energy Regulatory Commission Staff		

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix B: List of NAESB WEQ Executive Committee MOD Standard Scoping Task Force Participants
December 18, 2014

Participants Sorted by Company Name
(Includes WEQ Executive Committee Members and Alternates)

Hackney, Mark	Open Access Technology International, Inc.	Monroe, Carl	Southwest Power Pool
Sorenson, Paul	Open Access Technology International, Inc.	Phillips, Joshua	Southwest Power Pool
Edmonds, Sarah	PacifiCorp	Phillips, Tim	Southwest Power Pool
Hartung, Dean	PJM Interconnection, LLC	Womack, Jimmy	Southwest Power Pool
Jayachandran, Marilyn	PJM Interconnection, LLC	Yeung, Charles	Southwest Power Pool
McLaughlin, Jeffrey	PJM Interconnection, LLC	Tritch, Andy	SunGard
Schmitt, Jeff	PJM Interconnection, LLC	Bohan, Michael	Tenaska, Inc.
Wesley, Kathy	PJM Interconnection, LLC	Crockett, Valerie	Tennessee Valley Authority
Wolfe, Art	PJM Interconnection, LLC	Feagans, Chuck	Tennessee Valley Authority
Ferreira, TJ	Power Costs, Inc.	Moates, Robin	Tennessee Valley Authority
Harshbarger, Bob	Puget Sound Energy, Inc.	Suarez, Tony	Tennessee Valley Authority
Hurley, Jesse	Shift Systems, LLC	York, Kathy	Tennessee Valley Authority
Ciza, John	Southern Company Services, Inc.	Gallagher, William	Vermont Public Power Supply Authority
Dison, Joel	Southern Company Services, Inc.	Ackerman, Jeff	Western Area Power Administration
Mathew, Sunish	Southern Company Services, Inc.	Williams, Craig	Western Electricity Coordinating Council
Mozena, Terry	Southern Company Services, Inc.	Pera, Kevin	Xcel Energy, Inc.
Sellers, Corey	Southern Company Services, Inc.	Eaton, Terri	Xcel Energy, Inc.
Wood, JT	Southern Company Services, Inc.		
Davis, Jason	Southwest Power Pool		

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix B: WEQ Executive Committee MOD Standards Scoping Task Force Distribution List
December 18, 2014

Participants Sorted by Last Name

(Includes WEQ Executive Committee Members and Alternates)

Ackerman, Jeff	Western Area Power Administration	Halpin, Francis	Bonneville Power Administration
Anderson, Brenda	Bonneville Power Administration	Hansen, Brad	Bonneville Power Administration
Anthony, Mike	Duke Energy Corporation	Harshbarger, Bob	Puget Sound Energy, Inc.
Armstrong, Jack	Duke Energy Corporation	Hartung, Dean	PJM Interconnection, LLC
Aymond, Clint	Entergy Services, Inc.	Henry, Nick	Federal Energy Regulatory Commission Staff
Bak, Brian	Federal Energy Regulatory Commission Staff	Herbert, Michael	Federal Energy Regulatory Commission Staff
Bean, Robert	Arizona Public Service Company	Hurley, Jesse	Shift Systems, LLC
Berdahl, Rebecca	Bonneville Power Administration	Iwanekchko, Kristin	North American Electric Reliability Corporation
Bilke, Terry	MISO	Jacobsen, Brian	California ISO
Bivens, Carrie	Electric Reliability Council of Texas, Inc.	Jayachandran, Marilyn	PJM Interconnection, LLC
Bohan, Michael	Tenaska, Inc.	Johnson, Alan	NRG Energy, Inc.
Booe, Jonathan	NAESB	Jones, Chris	Bonneville Power Administration
Buccigross, Jim	8760 Inc.	Kee, Lila	GMO GlobalSign, Inc.
Campoli, Greg	New York Independent System Operator, Inc.	Knox, Marie	MISO
Cardone, Ernie	New York Independent System Operator, Inc.	Kovacs, Ross	Georgia Transmission Corporation
Castle, Jim	New York Independent System Operator, Inc.	Lemire, John	North Carolina Electric Membership Corporation
Ciza, John	Southern Company Services, Inc.	Lowen, Mike	Duke Energy Corporation
Coughlin, Robert	ISO New England, Inc.	Mallett, Elizabeth	NAESB
Crockett, Valerie	Tennessee Valley Authority	Manning, James	North Carolina Electric Membership Corporation
Davis, Jason	Southwest Power Pool	Mantifel, Russ	Bonneville Power Administration
Dison, Joel	Southern Company Services, Inc.	Masood, Abdur	Federal Energy Regulatory Commission Staff
Dobbins, Tony	Federal Energy Regulatory Commission Staff	Mathew, Sunish	Southern Company Services, Inc.
Dumas, John	Electric Reliability Council of Texas, Inc.	McGovern, Patrick	Georgia Transmission Corporation
Eaton, Terri	Xcel Energy, Inc.	McLaughlin, Jeffrey	PJM Interconnection, LLC
Edmonds, Sarah	PacifiCorp	Mendrala, Cheryl	ISO New England, Inc.
Feagans, Chuck	Tennessee Valley Authority	Moates, Robin	Tennessee Valley Authority
Ferreira, TJ	Power Costs, Inc.	Molotch, Lori	Arizona Public Service Company
Francis, Dave	MISO	Monroe, Carl	Southwest Power Pool
Franz, Marilyn	NV Energy	Mozena, Terry	Southern Company Services, Inc.
Gallagher, William	Vermont Public Power Supply Authority	Nguyen, Tung	MISO
Gildea, Michael	North American Electric Reliability Corporation	Norton, Chris	American Municipal Power, Inc.
Goldberg, Matt	ISO New England, Inc.	Oberski, Lou	Dominion Energy Marketing, Inc.
Graves, Paul	Duke Energy Corporation	Patterson, Mark	Electric Reliability Council of Texas, Inc.
Hackney, Mark	Open Access Technology International, Inc.	Pearson, John	ISO New England, Inc.
Hall, Edmund J.	Dominion Voltage, Inc.	Pera, Kevin	Xcel Energy, Inc.
Hall, Lee	Bonneville Power Administration	Peress, N. Jonathan	Conservation Law Foundation
		Philips, Marjorie	Direct Energy
		Rosenbluth	

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix B: WEQ Executive Committee MOD Standards Scoping Task Force Distribution List
December 18, 2014

Participants Sorted by Last Name
(Includes WEQ Executive Committee Members and Alternates)

Phillips, Joshua	Southwest Power Pool	Trum, Caroline	NAESB
Phillips, Ray	Alabama Municipal Electric Authority	Villarreal, Christopher	California Public Utilities Commission
Phillips, Tim	Southwest Power Pool	Wattles, Paul	Electric Reliability Council of Texas, Inc.
Pommen, Diana	Alberta Electric System Operator	Wesley, Kathy	PJM Interconnection, LLC
Pompel, Marie	Bonneville Power Administration	Williams, Craig	Western Electricity Coordinating Council
Pritchard, Alan	Duke Energy Corporation	Willis, Troy	Georgia Transmission Corporation
Saini, Narinder	Entergy Services, Inc.	Winkler, Eric	ISO New England, Inc.
Schmitt, Jeff	PJM Interconnection, LLC	Wolfe, Art	PJM Interconnection, LLC
Sellers, Corey	Southern Company Services, Inc.	Womack, Jimmy	Southwest Power Pool
Skiba, Ed	MISO	Wood, JT	Southern Company Services, Inc.
Sorenson, Paul	Open Access Technology International, Inc.	Yeung, Charles	Southwest Power Pool
Steigerwald, Mike	Bonneville Power Administration	York, Kathy	Tennessee Valley Authority
Steward, Ryan	North American Electric Reliability Corporation	Young, Chris	Federal Energy Regulatory Commission Staff
Suarez, Tony	Tennessee Valley Authority	Zhu, Kun	MISO
Tran, Stephen	BC Hydro		
Tritch, Andy	SunGard		
True, Roy	Alliance for Cooperative Energy Services Power Marketing LLC		

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix C: Links to Wholesale Electric Quadrant Business Practice Subcommittee Meeting Minutes, Comments, Work Papers, and Voting Records
December 18, 2014

Appendix C – WEQ Business Practice Subcommittee Meeting Minutes, Comments, Work Papers and Voting Records Links			
Date of Meeting	Meeting Location	Meeting Minutes:	Number of Participants
August 6-7, 2014	WEQ Business Practice Subcommittee Meeting Valley Forge, PA	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps080614fm.docx Attachments: Final Agenda: https://www.naesb.org/pdf4/weq_bps080614a1.docx PFV Whitepaper Revised August 6-7, 2014: https://www.naesb.org/member_login_check.asp?doc=weq_bps080614a2.docx PFV Recommendation Revised August 6-7, 2014: https://www.naesb.org/member_login_check.asp?doc=weq_bps080614a3.docx Action Item List Revised August 6-7, 2014: https://www.naesb.org/pdf4/weq_bps080614a4.xlsx Consolidated Informal Comments Revised August 6-7, 2014: https://www.naesb.org/pdf4/weq_bps080614a5.docx Work Papers: PFV Recommendation August 2014: https://www.naesb.org/member_login_check.asp?doc=weq_bps080614w1.docx Seams Agreement Language: https://www.naesb.org/pdf4/weq_bps080614w2.docx Action Item 173 Southern Company Suggestions 8/6/14: https://www.naesb.org/pdf4/weq_bps080614w3.docx Action Item 173 Revised: https://www.naesb.org/pdf4/weq_bps080614w4.docx	21

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix C: Links to Wholesale Electric Quadrant Business Practice Subcommittee Meeting Minutes, Comments, Work Papers, and Voting Records
December 18, 2014

Appendix C – WEQ Business Practice Subcommittee Meeting Minutes, Comments, Work Papers and Voting Records Links			
Date of Meeting	Meeting Location	Meeting Minutes:	Number of Participants
September 3-4, 2014	WEQ Business Practice Subcommittee Meeting Little Rock, AR	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps090314fm.docx Attachments: PFV White Paper: https://www.naesb.org/pdf4/weq_bps090314a1.docx Final Agenda: https://www.naesb.org/pdf4/weq_bps090314a2.docx Motions Revised 9/4/14: https://www.naesb.org/pdf4/weq_bps090314a3.doc PFV Draft Voted Recommendation Revised 9/4/14: https://www.naesb.org/member_login_check.asp?doc=weq_bps090314a4.docx Work Papers: PFV Whitepaper Revised August 6-7, 2014: https://www.naesb.org/member_login_check.asp?doc=weq_bps090314w1.docx PFV Recommendation Revised August 6-7, 2014: https://www.naesb.org/member_login_check.asp?doc=weq_bps090314w2.docx Action Item List Revised August 6-7, 2014: https://www.naesb.org/pdf4/weq_bps090314w3.xlsx Consolidated Informal Comments Revised August 6-7, 2014: https://www.naesb.org/pdf4/weq_bps090314w4.docx PFV Recommendation September 3, 2014: https://www.naesb.org/member_login_check.asp?doc=weq_bps090314w5.docx MOD Requirements for Consideration by WEQ BPS: https://www.naesb.org/pdf4/weq_bps090314w6.xlsx	21

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix C: Links to Wholesale Electric Quadrant Business Practice Subcommittee Meeting Minutes, Comments, Work Papers, and Voting Records
December 18, 2014

Appendix C – WEQ Business Practice Subcommittee Meeting Minutes, Comments, Work Papers and Voting Records Links			
Date of Meeting	Meeting Location	Meeting Minutes:	Number of Participants
October 1, 2014	WEQ Business Practice Subcommittee Conference Call	<p>Meeting Minutes: https://www.naesb.org/pdf4/weq_bps100114fm.docx</p> <p>Work Papers: 18CFR 37.6 (b): https://www.naesb.org/pdf4/weq_bps100114w1.docx</p> <p>Requirements for Consideration by BPS: https://www.naesb.org/pdf4/weq_bps100114w2.xlsx</p> <p>Request R14002: https://www.naesb.org/pdf4/weq_bps100114w3.pdf</p> <p>EC Task Force Work Paper Matrix: https://www.naesb.org/pdf4/weq_bps100114w4.xlsx</p>	31
October 7-8, 2014	WEQ Business Practice Subcommittee Meeting Carmel, IN	<p>Meeting Minutes: https://www.naesb.org/pdf4/weq_bps100714dm.docx</p> <p>Attachments: TVA Formal Comments with BPS Comments: https://www.naesb.org/pdf4/weq_bps100714a1.docx</p> <p>Agenda Revised: https://www.naesb.org/pdf4/weq_bps100714a2.docx</p> <p>MOD Requirements BPS Comments 10/8/14: https://www.naesb.org/pdf4/weq_bps100714a3.xlsx</p> <p>Motions Revised 10/8/14: https://www.naesb.org/pdf4/weq_bps100714a4.doc</p> <p>SOCO Formal Comments with BPS Comments: https://www.naesb.org/member_login_check.asp?doc=weq_bps100714a5.docx</p> <p>BPS late comments on PFV Recommendation from review of formal comments during October 7-8 BPS Meeting: https://www.naesb.org/member_login_check.asp?doc=weq_bps100714a6.docx</p> <p>Work Papers: Comments Submitted by R. Robinson, Tennessee Valley Authority: https://www.naesb.org/pdf4/weq_090414_tva.docx</p>	26

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix C: Links to Wholesale Electric Quadrant Business Practice Subcommittee Meeting Minutes, Comments, Work Papers, and Voting Records
December 18, 2014

Appendix C – WEQ Business Practice Subcommittee Meeting Minutes, Comments, Work Papers and Voting Records Links			
Date of Meeting	Meeting Location	Meeting Minutes:	Number of Participants
		Comments Submitted by N. Shah, MISO: https://www.naesb.org/pdf4/weq_090414_miso.docx Comments Submitted by the ISO/RTO Council Members: https://www.naesb.org/pdf4/weq_090414_iso_rto.docx Comments Submitted by JT Wood, Southern Company: https://www.naesb.org/member_login_check.asp?doc=weq_090414_soco.docx Comments Submitted by J. Luner, Xcel Energy Operating Companies: https://www.naesb.org/pdf4/weq_090414_xcel.pdf WEQ BPS MOD Work Schedule: https://www.naesb.org/pdf4/weq_bps100714w1.docx PFV Recommendation: https://www.naesb.org/member_login_check.asp?doc=weq_bps100714w2.docx MOD Requirements for Consideration by WEQ BPS: https://www.naesb.org/pdf4/weq_bps100714w3.xlsx	

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix C: Links to Wholesale Electric Quadrant Business Practice Subcommittee Meeting Minutes, Comments, Work Papers, and Voting Records
December 18, 2014

Appendix C – WEQ Business Practice Subcommittee Meeting Minutes, Comments, Work Papers and Voting Records Links			
Date of Meeting	Meeting Location	Meeting Minutes:	Number of Participants
October 28-29, 2014	WEQ Business Practice Subcommittee Meeting Valley Forge, PA	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps102814dm.docx Attachments: Revised Agenda: https://www.naesb.org/pdf4/weq_bps102814a1.docx BPS MOD Requirements Work Paper Revised 10/29/14: https://www.naesb.org/pdf4/weq_bps102814a2.xlsx WEQ BPS Action Item List Revised 10/29/14: https://www.naesb.org/pdf4/weq_bps102814a3.xlsx Draft Standards Language with References Revised 10/29/14: https://www.naesb.org/member_login_check.asp?doc=weq_bps102814a4.doc Work Papers: MOD Standards Draft 10/14/14: https://www.naesb.org/pdf4/weq_bps102814w1.doc MOD Requirements Work Paper 10/8/14: https://www.naesb.org/pdf4/weq_bps102814w2.xlsx Draft MOD Standards Language with References: https://www.naesb.org/pdf4/weq_bps102814w3.doc 18 CFR 37.6 and 37.7: https://www.naesb.org/pdf4/weq_bps102814w4.docx ATC Path Definition Assignment - Action Item 2: https://www.naesb.org/pdf4/weq_bps102814w5.pdf	22

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix C: Links to Wholesale Electric Quadrant Business Practice Subcommittee Meeting Minutes, Comments, Work Papers, and Voting Records
December 18, 2014

Appendix C – WEQ Business Practice Subcommittee Meeting Minutes, Comments, Work Papers and Voting Records Links			
Date of Meeting	Meeting Location	Meeting Minutes:	Number of Participants
November 25, 2014	WEQ Business Practice Subcommittee Conference Call with Web Conferencing	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps112514dm.docx Attachments: Draft Standards Language Revised 11/25/14: https://www.naesb.org/pdf4/weq_bps112514a1.doc WEQ BPS Action Item List Revised 11/25/14: https://www.naesb.org/pdf4/weq_bps112514a2.xlsx Work Papers: MOD Action Item 4 Work Paper: https://www.naesb.org/pdf4/weq_bps112514w1.docx Draft MOD Requirements with Revisions – MOD Action Item 5: https://www.naesb.org/pdf4/weq_bps112514w2.doc WEQ BPS Action Item List Revised 10/29/14: https://www.naesb.org/pdf4/weq_bps112514w3.xlsx MOD Action Item 7 Work Paper: https://www.naesb.org/pdf4/weq_bps112514w4.docx	17

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix C: Links to Wholesale Electric Quadrant Business Practice Subcommittee Meeting Minutes, Comments, Work Papers, and Voting Records
December 18, 2014

Appendix C – WEQ Business Practice Subcommittee Meeting Minutes, Comments, Work Papers and Voting Records Links			
Date of Meeting	Meeting Location	Meeting Minutes:	Number of Participants
December 3-4, 2014	WEQ Business Practice Subcommittee Meeting Tucker, GA	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps120314dm.docx Attachments: WEQ BPS Action Item List Revised 12/4/14: https://www.naesb.org/pdf4/weq_bps120314a1.xlsx Draft Standard Language Revised 12/4/14: https://www.naesb.org/pdf4/weq_bps120314a2.doc BPS MOD Requirements Work Paper Revised 12/4/14: https://www.naesb.org/pdf4/weq_bps120314a3.xlsx Work Papers: Draft Standards Language Revised 11/25/14: https://www.naesb.org/pdf4/weq_bps120314w1.doc WEQ BPS Action Item List Revised 11/25/14: https://www.naesb.org/pdf4/weq_bps120314w2.xlsx Draft Standards Language Revised by R. Kovacs: https://www.naesb.org/pdf4/weq_bps120314w3.doc Language Proposals from BPA: https://www.naesb.org/pdf4/weq_bps120314w4.pdf Proposed Revisions to XXX-2.3.5: https://www.naesb.org/pdf4/weq_bps120314w5.docx Action Item 3 Work Paper: https://www.naesb.org/member_login_check.asp?doc=weq_bps120314w6.docx Proposed Revisions to ATCID, CBMID, and TRMID: https://www.naesb.org/pdf4/weq_bps120314w7.docx	23

Appendix D: Matrix of Requirements Determined by the NAESB Wholesale Electric Quadrant Business Practices Subcommittee
to Not Be Incorporated as NAESB Business Practice Standards
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination	NAESB WEQ BPS Determination
<p>MOD-001-1a Requirement 7: When calculating ATC or AFC the Transmission Service Provider shall use assumptions no more limiting than those used in the planning of operations for the corresponding time period studied, providing such planning of operations has been performed for that time period. [Time Horizon: Operations Planning]</p>	<p>NAESB should consider whether these requirements are necessary from a market perspective. The MOD A SDT, however, does not recommend setting a hard limit, such as "no more limiting." Depending on the region, the determination of TFC, TTC, AFC and ATC has varying methods and degrees of similarity to the planning of operations. While a comparison between the two may be of merit to insure that there is no inappropriate conduct, a hard limit has the potential to create a situation where the entity must choose between violating a NERC Standard or violating a NAESB standard.</p>	<p>The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The task force is in agreement that the language "assumptions no more limiting than..." should not be included in any commercial business practice standard. The subcommittee may consider if there should be language for the assumptions and data used for operation planning and ATC calculations to be consistent. (Please refer to Order 693 Paragraph 1044)</p>	<p>The BPS will not include this requirement in the standards. The EC Task Force recommended that part of the language for the requirement be removed. After consideration, the subcommittee decided the remaining language is no longer needed as it is covered adequately in FERC Order 693, Paragraph 1044.</p>
<p>MOD-008-1 Requirement 5: The Transmission Operator that maintains TRM shall provide the TRM values to its Transmission Service Provider(s) and Transmission Planner(s) no more than seven calendar days after a TRM value is initially established or subsequently changed. [Time Horizon: Operations Planning]</p>	<p>NAESB should consider adding this frequency update in a business practice. There may not be a need to mandate that the TOP send the TRM values to the TSP.</p>	<p>The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards.</p>	<p>The BPS will not include this requirement in the standards. There are inconsistencies between TRM and CBM standards on notification timings; CBM doesn't have a notification timing standard, but TRM does. The recommendation is to not retain this requirement to maintain consistency between CBM and TRM.</p>

Appendix D: Matrix of Requirements Determined by the NAESB Wholesale Electric Quadrant Business Practices Subcommittee
to Not Be Incorporated as NAESB Business Practice Standards
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination	NAESB WEQ BPS Determination
<p>MOD-028-1 Requirement 6.1: Determine the incremental Transfer Capability for each ATC Path by increasing generation and/or decreasing load within the source Balancing Authority area and decreasing generation and/or increasing load within the sink Balancing Authority area until either:</p> <ul style="list-style-type: none"> • A System Operating Limit is reached on the Transmission Service Provider’s system, or <p>A SOL is reached on any other adjacent system in the Transmission model that is not on the study path and the distribution factor is 5% or greater.</p>	<p>Incremental Transfer Capability is a concept inside of the Area Interchange Method, and the reaching of System Operating Limits and how the system is adjusted is required to be included per the standard. The remaining parts of this requirement just relate to details on how to perform the calculation which are well detailed in various places. NAESB should review this requirement but the ATCSDT does not believe additional work by NAESB is required.</p>	<p>The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the Area Interchange method to determine if this requirement should be addressed in the NAESB standards.</p>	<p>The BPS will not include this requirement in the standards. The BPS believes there isn’t a need for dictating how generation or load is participated while calculating incremental transfer capability because entities are required to disclose this information in their ATCID.</p>
<p>MOD-028-1 Requirement 6.2: If the limit in step R6.1 cannot be reached by adjusting any combination of load or generation, then set the incremental Transfer Capability by the results of the case where the maximum adjustments were applied.</p>	<p>Incremental Transfer Capability is a concept inside of the Area Interchange Method, and the reaching of System Operating Limits and how the system is adjusted is required to be included per the standard. The remaining parts of this requirement just relate to details on how to perform the calculation which are well detailed in various places. NAESB should review this requirement but the ATCSDT does not believe additional work by NAESB is required</p>	<p>The subcommittee should consider this requirement for inclusion in the NAESB WEQ Business Practice Standards. The subcommittee should review the Area Interchange method to determine if this requirement should be addressed in the NAESB standards.</p>	<p>The BPS will not include this requirement in the standards. The BPS believes there isn’t a need for dictating how generation or load is participated while calculating incremental transfer capability because entities are required to disclose this information in their ATCID.</p>

Appendix D: Matrix of Requirements Determined by the NAESB Wholesale Electric Quadrant Business Practices Subcommittee
to Not Be Incorporated as NAESB Business Practice Standards
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination	NAESB WEQ BPS Determination
<p>MOD-030-2 Requirement 2.5*: At a minimum, establish the TFC once per calendar year</p> <p>*This is a subset of MOD-030-2 Requirement 2 which states: The Transmission Operator shall perform the following: [Time Horizon: Operations Planning]</p>	<p>Proposed R1</p>	<p>The subcommittee may consider this requirement.</p>	<p>The BPS will not include this requirement in the standards as the requirement is adequately covered by other NERC requirements. NERC FAC-008 requires transmission operator models to be updated with ratings changes, and MOD-001-2 requires TFCs to be produced from those updated models. MOD-001-2 also requires the ATCID contain a description of how the TFCs are produced from those models. Proposed NAESB Standard XXX-2.3.1 (The transmission operator shall provide the transmission service provider with the most current values of TFCs within seven calendar days of their establishment) will describe the timeframe for which the transmission operator must provide the transmission service provider the TFC. Additionally, there are no similar timing requirements in the other methodologies for the transmission operator.</p> <p>NAESB confirmed with NERC that this requirement was inadvertently marked for NAESB consideration.</p>

Appendix D: Matrix of Requirements Determined by the NAESB Wholesale Electric Quadrant Business Practices Subcommittee
 to Not Be Incorporated as NAESB Business Practice Standards
 December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination	NAESB WEQ BPS Determination
<p>MOD-030-2 Requirement 2.5.1: If notified of a change in the Rating by the Transmission Owner that would affect the TFC of a flowgate used in the AFC process, the TFC should be updated within seven calendar days of the notification</p>	<p>Proposed R1.1</p>	<p>The subcommittee may consider this requirement.</p>	<p>The BPS will not include this requirement in the standards as the requirement is adequately covered by other NERC requirements. NERC FAC-008 requires transmission operator models to be updated with ratings changes, and MOD-001-2 requires TFCs to be produced from those updated models. MOD-001-2 also requires the ATCID contain a description of how the TFCs are produced from those models. Proposed NAESB Standard XXX-2.3.1 (The transmission operator shall provide the transmission service provider with the most current values of TFCs within seven calendar days of their establishment) will describe the timeframe for which the transmission operator must provide the transmission service provider the TFC. Additionally, there are no similar timing requirements in the other methodologies for the transmission operator.</p> <p>NAESB confirmed with NERC that this requirement was inadvertently marked for NAESB consideration.</p>

Appendix D: Matrix of Requirements Determined by the NAESB Wholesale Electric Quadrant Business Practices Subcommittee
to Not Be Incorporated as NAESB Business Practice Standards
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination	NAESB WEQ BPS Determination
<p>MOD-030-2 Requirement 4: When calculating AFCs, the Transmission Service Provider shall represent the impact of Transmission Service as follows: [Time Horizon: Operations Planning]</p> <ul style="list-style-type: none"> • If the source, as specified in the ATCID, has been identified in the reservation and it is discretely modeled in the Transmission Service Provider’s Transmission model, use the discretely modeled point as the source. • If the source, as specified in the ATCID, has been identified in the reservation and the point can be mapped to an “equivalence” or “aggregate” representation in the Transmission Service Provider’s Transmission model, use the modeled equivalence or aggregate as the source. • If the source, as specified in the ATCID, has been identified in the reservation and the point cannot be mapped to a discretely modeled point or an “equivalence” representation in the Transmission Service Provider’s Transmission model, use the immediately adjacent Balancing Authority associated with the Transmission Service Provider 	<p>N/A</p>	<p>The subcommittee should review the requirement for inclusion in the NAESB WEQ Business Practice Standards</p>	<p>The BPS will not include this requirement in the standards. The requirement is too specific and doesn’t need to be in NAESB standards. Establishing components of the ETC for AFC calculations are sufficient and there is no need to be more specific about treatment of sources and sinks.</p>

Appendix D: Matrix of Requirements Determined by the NAESB Wholesale Electric Quadrant Business Practices Subcommittee
to Not Be Incorporated as NAESB Business Practice Standards
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination	NAESB WEQ BPS Determination
<p>from which the power is to be received as the source.</p> <ul style="list-style-type: none"> • If the source, as specified in the ATCID, has not been identified in the reservation use the immediately adjacent Balancing Authority associated with the Transmission Service Provider from which the power is to be received as the source. • If the sink, as specified in the ATCID, has been identified in the reservation and it is discretely modeled in the Transmission Service Provider’s Transmission model, use the discretely modeled point as the sink. • If the sink, as specified in the ATCID, has been identified in the reservation and the point can be mapped to an “equivalence” or “aggregate” representation in the Transmission Service Provider’s Transmission model, use the modeled equivalence or aggregate as the sink. • If the sink, as specified in the ATCID, has been identified in the reservation and the point cannot be mapped to a discretely modeled point or an “equivalence” representation in the Transmission Service Provider’s Transmission 			

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix D: Matrix of Requirements Determined by the NAESB Wholesale Electric Quadrant Business Practices Subcommittee
to Not Be Incorporated as NAESB Business Practice Standards
December 18, 2014

NERC Requirement	NERC Drafting Team Recommendation for NAESB Action	NAESB WEQ EC MOD Scoping Task Force Determination	NAESB WEQ BPS Determination
<p>model, use the immediately adjacent Balancing Authority associated with the Transmission Service Provider receiving the power as the sink.</p> <p>If the sink, as specified in the ATCID, has not been identified in the reservation use the immediately adjacent Balancing Authority associated with the Transmission Service Provider receiving the power as the sink.</p>			

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix E: WEQ Executive Committee MOD Standard Scoping Task Force Meeting Notes, Comments, Work Papers and Voting Records Links
December 18, 2014

Appendix E – WEQ Executive Committee MOD Standard Scoping Task Force Meeting Notes, Comments, Work Papers and Voting Records Links			
Date of Meeting	Meeting Location	Meeting Notes	Number of Participants
April 10, 2014	WEQ Executive Committee MOD Standard Scoping Task Force Conference Call with Web Conferencing	Meeting Notes: http://www.naesb.org/pdf4/weq_ec_mod041014notes.doc	21
April 24, 2014	WEQ Executive Committee MOD Standard Scoping Task Force Work Paper and Comment Solicitation due May 22, 2014	<p>Work Paper and Comment Solicitation due May 22, 2014: http://www.naesb.org/pdf4/weq_ec_mod042414reqcom.docx</p> <p>Comments Submitted by K. York, TVA: http://www.naesb.org/pdf4/weq_ec_mod042414_tva.xlsx</p> <p>Comments Submitted by E. Skiba, MISO - response to the requirements in the MOD A Spreadsheet: http://www.naesb.org/pdf4/weq_ec_mod042414_miso.xlsx</p> <p>Comments Submitted by E. Skiba, MISO - comments related to the outstanding directives NERC was to address under FERC Order 729: http://www.naesb.org/pdf4/weq_ec_mod042414_miso.doc</p> <p>Comments Submitted by J. Manning, NCEMC: http://www.naesb.org/pdf4/weq_ec_mod042414_ncemc.xlsx</p> <p>Comments Submitted by C. Wesley, PJM: http://www.naesb.org/pdf4/weq_ec_mod042414_pjm.xlsx</p> <p>Comments Submitted by JT Wood, Southern Company: http://www.naesb.org/pdf4/weq_ec_mod042414_southern.xlsx</p> <p>Comments Submitted by J. Phillips, SPP: http://www.naesb.org/pdf4/weq_ec_mod042414_spp.xlsx</p> <p>Late Comments Submitted by R. Berdahl, BPA: http://www.naesb.org/pdf4/weq_ec_mod042414_bpa_late.xlsx</p> <p>Late Comments Submitted by R. Berdahl, BPA - Evaluation of FERC ATC Directives: http://www.naesb.org/pdf4/weq_ec_mod042414_bpa_late.docx</p> <p>Late Comments Submitted by B. Harshbarger, Puget Sound Energy - on the consideration of MOD-028, MOD-029, and MOD-030 requirements in NAESB standards: http://www.naesb.org/pdf4/weq_ec_mod042414_puget_late.xlsx</p>	

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix E: WEQ Executive Committee MOD Standard Scoping Task Force Meeting Notes, Comments, Work Papers and Voting Records Links
December 18, 2014

Appendix E – WEQ Executive Committee MOD Standard Scoping Task Force Meeting Notes, Comments, Work Papers and Voting Records Links			
Date of Meeting	Meeting Location	Meeting Notes	Number of Participants
June 5, 2014	WEQ Executive Committee MOD Standard Scoping Task Force Conference Call with Web Conferencing	Meeting Notes: http://www.naesb.org/pdf4/weq_ec_mod060514notes.doc Attachment to Notes: http://www.naesb.org/pdf4/weq_ec_mod060514a1.xlsx	24
June 10, 2014	WEQ Executive Committee MOD Standard Scoping Task Force Conference Call with Web Conferencing	Meeting Notes: http://www.naesb.org/pdf4/weq_ec_mod061014notes.doc Attachment to Notes: http://www.naesb.org/pdf4/weq_ec_mod061014a1.xlsx	18
July 2, 2014	WEQ Executive Committee MOD Standard Scoping Task Force Conference Call with Web Conferencing	Meeting Notes: http://www.naesb.org/pdf4/weq_ec_mod070214notes.doc Attachment to Notes: http://www.naesb.org/pdf4/weq_ec_mod070214a1.xlsx	24
July 11, 2014	WEQ Executive Committee MOD Standard Scoping Task Force Conference Call with Web Conferencing	Meeting Notes: http://www.naesb.org/pdf4/weq_ec_mod071114notes.doc Attachment to Notes: http://www.naesb.org/pdf4/weq_ec_mod071114a1.xlsx	23
July 25, 2014	WEQ Executive Committee MOD Standard Scoping Task Force Conference Call with Web Conferencing	Meeting Notes: http://www.naesb.org/pdf4/weq_ec_mod072514notes.doc Attachment to Notes: http://www.naesb.org/pdf4/weq_ec_mod072514a1.xlsx	18
August 1, 2014	WEQ Executive Committee MOD Standard Scoping Task Force Conference Call with Web Conferencing	Meeting Notes: http://www.naesb.org/pdf4/weq_ec_mod080114notes.doc Attachment to Notes: http://www.naesb.org/pdf4/weq_ec_mod080114a1.xlsx https://www.naesb.org/pdf4/weq_ec_mod080114a2.xlsx	17

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix F: Executive Committee Meeting Minutes and Availability of Transcripts
December 18, 2014

Appendix F – Executive Committee Meeting Minutes and Availability of Transcripts		
Date	Link to Executive Committee Minutes	Availability of Transcripts ¹
February 18, 2014	NAESB Executive Committee Meetings, Phoenix, AZ WEQ EC Minutes (<i>Update on Coordination Activities with External Organizations</i>): http://www.naesb.org/pdf4/weq_ec021814fm.docx	Jill Vaughn, CSR - 281-853-6807
April 29, 2014	NAESB Executive Committee Meetings, Carmel, IN WEQ EC Minutes (<i>Update on MOD Standard Scoping Task Force</i>): http://www.naesb.org/pdf4/weq_ec042914dm.docx	Jill Vaughn, CSR - 281-853-6807
August 19, 2014	NAESB Executive Committee Meetings, Dallas, TX WEQ EC Minutes (<i>Update on MOD Standard Scoping Task Force</i>): https://www.naesb.org/pdf4/weq_ec081914dm.docx	Jill Vaughn, CSR - 281-853-6807
October 21, 2014	NAESB Executive Committee Meetings, Richmond, VA WEQ EC Minutes (<i>Update on MOD Standard Scoping Task Force</i>): https://www.naesb.org/pdf4/weq_ec102114dm.docx	Jill Vaughn, CSR - 281-853-6807

¹ 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.

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.

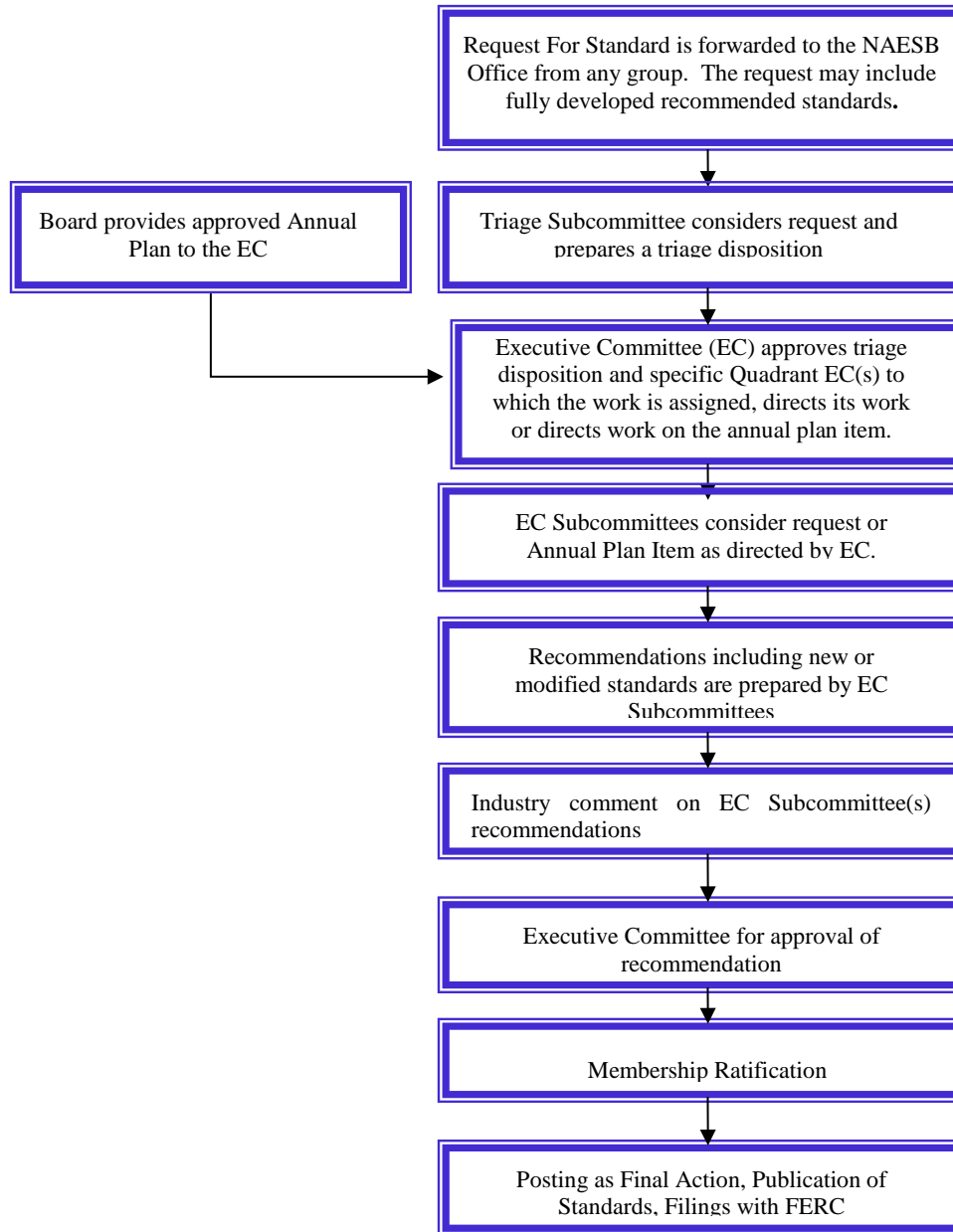
Once the triage process is completed, the subcommittees—more than one are normally involved in standards recommendations—review the request, compare it to existing standards, and prepare recommendations that may take the form of new or modified standards or interpretations. Participation in EC subcommittees 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.

North American Energy Standards Board
Standards Development Process Flow Chart



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.¹ This process requires that the appropriate NAESB Subcommittee and NERC Standards drafting team work together to develop reliability standards and business practices.

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.

Accessibility of Standards and Work Products

The NAESB standards and protected work products are accessible to members at no cost as a benefit of their membership. Non-members can purchase the standards as a full version, or they can purchase individual final actions. Non-members can also access the standards at no cost by requesting an evaluation copy. NAESB standards and protected work products are copyrighted. Non-members can download a NAESB materials order form from the NAESB web site for ordering standards or for instructions on accessing standards for evaluation.

¹ 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
2014 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT
Adopted by Board of Directors on December 11, 2014**

Item Description	Completion ⁱ	Assignment ⁱⁱ
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) Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection – Permanent Solution ¹ Note: Consideration should be given to provisional item 2.a. Work is being coordinated with the IDC Association. Status: Pending EC Action	TBD	BPS
b) Perform consistency review of WEQ-008 Transmission Loading Relief Business Practice Standards and develop recommendation. ² Status: Pending EC Action	TBD	BPS
c) Disturbance Control Standard (DCS) (BAL-002) Coordination with NERC Project 2010-14.1 Phase 1 of Balancing Authority Reliability-based Controls: Reserves Status: Monitor	TBD	BPS/TIMTF
d) Revise TLR level 5 to be treated similarly to TLR Level 3 in terms of treating the next hour allocation separately from that of current hour. (R11020) Status: Pending EC Action	TBD	BPS
e) Coordinate with NERC on changes to the definition of Bulk Electric System NERC Project 2010-17 Definition of Bulk Electric System (Phase 2). Status: Complete	1 st Q, 2014	SRS
f) Develop complementary standards that align with NERC Project 2013-04 Voltage and Reactive Planning and Control (formerly Project 2008-01 and now rolled into Project 2013-04). Status: Complete	3 rd Q, 2014	BPS
g) Develop complementary standards that align with NERC Project 2010-04 Demand Data (MOD C) . The NERC project may impact WEQ-015 Business Practices for Measurement and Verification of Wholesale Electricity Demand Response. Status: Complete	3 rd Q, 2014	DSM-EE
h) Develop, modify or delete business practice standards to support request R14002 (NERC Project 2012-05 ATC Revisions (MOD A)). ³ Status: Started	2 nd Q, 2015	BPS

¹ See AP Item 3.iv. Completion dates may be revisited contingent upon NERC-NAESB coordination of implementation related to parallel flow visualization.

² In some sections of WEQ-008 it appears that the standards are applicable to all of the Interconnections and other it appears that the standards are only applicable to the Eastern Interconnection. The title indicates the standards are applicable to the Eastern Interconnection.

³The FERC NOPR issued June 19, 2014, available at the following link: <http://www.ferc.gov/whats-new/comm-meet/2014/061914/E-17.pdf>.

**NORTH AMERICAN ENERGY STANDARDS BOARD
2014 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT
Adopted by Board of Directors on December 11, 2014**

Item Description	Completion ⁱ	Assignment ⁱⁱ
i) Coordinate with NERC on NERC Project 2012-08 Glossary Updates . The NERC project may impact WEQ-000 Abbreviations, Acronyms, and Definition of Terms Status: Complete	1 st Q, 2014	SRS
j) Coordinate with NERC on NERC Project 2012-09 IRO Review . The NERC project may impact WEQ-008 Transmission Loading Relief – Eastern Interconnection Standards. Status: Not Started	TBD	BPS
k) Develop, modify or delete business practices standards to support NERC activities related to NERC Time Error Correction (BAL-004-0) Status: Not Started	TBD	BPS
2. Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)⁴		
a) Develop version 3 business practice standards to better coordinate the use of the transmission system among neighboring transmission providers. Status: Underway Request R05004 was expanded to include the Order No. 890 (Docket Nos. RM05-17-000 and RM02-25-000) , (Order No. 890-A (Docket Nos. RM05-17-001, 002 and RM05-25-001, 002)) , and Order No. 890-B (Docket Nos. RM05-17-03 and RM05-25-03) “Preventing Undue Discrimination and Preference in Transmission Services”		
i) 1. Group 4: Preemption; Request No. R05019 (Part of Preemption and Competition) Status: Started	2015	OASIS
ii) Group 6: Miscellaneous (Paragraph 1627 ⁵ of FERC Order No. 890)		
1) Paragraphs 1627 of Order 890 – Posting of additional information on OASIS regarding firm transmission curtailments Status: Not Started	TBD	OASIS
2) Redispatch Cost Posting to allow for posting of third party offers of planning redispatch services. Status: Not Started	TBD	OASIS

⁴ FERC Order No. 890, issued February 16, 2007, can be accessed from the following link: http://www.naesb.org/doc_view4.asp?doc=ferc021607.doc.

⁵ Paragraph 1627 of FERC Order No. 890, issued February 16, 2007: We agree with suggestions for the posting of additional curtailment information on OASIS and, therefore, require transmission providers, working through NAESB, to develop a detailed template for the posting of additional information on OASIS regarding firm transmission curtailments. Transmission providers need not implement this new OASIS functionality and any related business practices until NAESB develops appropriate standards. These postings must include 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. This information is in addition to the Commission’s existing requirements: (1) when any transmission is curtailed or interrupted, the transmission provider must post notice of the curtailment or interruption on OASIS, and the transmission provider must state on OASIS the reason why the transaction could not be continued or completed; (2) information to support any such curtailment or interruption, including the operating status of facilities involved in the constraint or interruption, must be maintained for three years and made available upon request to the curtailed or interrupted customer, the Commission’s Staff, and any other person who requests it; and, (3) 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.

**NORTH AMERICAN ENERGY STANDARDS BOARD
2014 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT
Adopted by Board of Directors on December 11, 2014**

Item Description	Completion ⁱ	Assignment ⁱⁱ
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) Make remaining incremental enhancements to OASIS as an outgrowth of the NAESB March 29, 2005 conference on the future of OASIS (R05026). Scoping statement completed by SRS. There were a number of assignments from the Standards Request. The outstanding items are included below:		
1) Eliminate Masking of TSR tag source and sink when requested status is denied, withdrawn refused, displaced, invalid, declined, annulled or retracted Status: Not Started	TBD	OASIS
2) Initiate standard that eliminates the disparity of posting “sensitive” information. This standard should also include procedures of user certification that allows access to this class of information. Status: Underway (upon further development of this item by NAESB, a completion date will be determined)	TBD	OASIS
3) Enhance the TSR result postings to allow showing of (i) limiting transmission elements and (ii) available generation dispatch options that would allow acceptance of reservation request. Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	TBD	OASIS
ii) Review and correct WEQ-004 Coordinate Interchange Business Practice Standard as needed based on activities in NERC Project 2008-12, Coordinate Interchange Standards Revisions and supporting EOP-002-2 R4 and R6. ⁶ Status: Complete	3 rd Q, 2014	CISS
b) Review e-Tag specifications and make modifications as needed for:		
i) Supporting Network Integration Transmission Service standards Status: Complete	1 st Q, 2014	CISS
ii) Consistency and clarifications Status: Complete	1 st Q, 2014	CISS
iii) Regional Implementations supporting WECC efforts (probably of most impact to the appendices in the e-Tag specifications) Status: Complete	1 st Q, 2014	CISS
c) Requirements for OASIS to use data in the Electric Industry Registry (R12001) Status: Not Started	TBD	OASIS

⁶ See AP Item 1.a.iv. Completion dates may be revisited contingent upon NERC-NAESB coordination of implementation related to parallel flow visualization.

**NORTH AMERICAN ENERGY STANDARDS BOARD
2014 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT
Adopted by Board of Directors on December 11, 2014**

Item Description	Completion ⁱ	Assignment ⁱⁱ
4. Develop and/or maintain standard communication protocols and - cybersecurity business practices as needed.		
a) Develop modifications for WEQ-012 as needed to reflect current market conditions		
i) Review and develop standards as needed to support adequate session encryption (SSL/TLS issues: US-Cert Vulnerability Note VU#864643) Status: Complete	1 st Q, 2014	Cybersecurity Subcommittee
ii) Review annually at a minimum, the accreditation requirements for Authorized Certification Authorities to determine if any changes are needed to meet market conditions. ⁷ Status: Complete	4 th Q, 2013	Cybersecurity Subcommittee
b) Review WEQ standards for impact of XML vulnerability exploits and make modifications as needed to standards and functional specifications Status: Not Started	TBD	Cybersecurity Subcommittee/ CISS
5. Maintain existing body of Version 3.x standards		
a) Consistent with ¶51 of FERC Order No. 890-A, add AFC and TFC values to the “System_Attribute” data element of the NAESB Standard WEQ-003: OASIS S&CP Data Dictionaries. (R08011) Status: Underway	2015	OASIS
b) Correct WEQ 013-2.6.7.2. – Resale off OASIS (R08027) Status: Not Started	TBD	OASIS
c) Add language to WEQ-001-4 Online Negotiation and Confirmation process to clarify Table 4-3 (R09003) Status: Started	2015	OASIS
d) Create a new OASIS mechanism that allows for the merger of like reservations without the use of the resale mechanism (R09015) Status: Not Started	TBD	OASIS
e) Improve transparency to allow customers to determine whether they have been treated in a non-discriminatory manner by posting of additional information on OASIS when service is denied (i.e. refused or declined) by customer(s) using new SAMTS process across multiple transmission systems to serve their NITS load on multiple systems. (R12006) Status: Not Started	TBD	OASIS
6. Develop or modify standards to Support FERC Order No. 676-E, (Docket No. RM 05-5-013)		
a) Develop standards to support the Transmission Provider right to reassess the availability of conditional firm (See ¶ 72 ⁸) Status: Not Started	TBD	OASIS

⁷ The “NAESB Accreditation Requirements for Authorized Certification Authorities” can be found at: http://www.naesb.org/member_login_check.asp?doc=certification_specifications.docx.

⁸ 72. However, we reiterate here the Commission’s finding in Order No. 890 that a transmission provider is permitted to extend its right to reassess the availability of conditional firm service. Since the Version 002.1 Standards do not specifically address this issue, we would ask the industry, working through NAESB, to continue to look at additional business practice standards facilitating a transmission provider’s extension of its right to perform a reassessment.

**NORTH AMERICAN ENERGY STANDARDS BOARD
2014 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT
Adopted by Board of Directors on December 11, 2014**

Item Description	Completion ⁱ	Assignment ⁱⁱ
7. Develop or modify standards to Support FERC Order No. 676-H (Docket No. RM05-5-022)		
a) Consistent with FERC Order Nos. 890 and 676-H, modify NAESB standards WEQ-001-14.1.3 and WEQ-001-15.1.2 to provide for a one-day requirement for posting Available Transfer Capability narratives. (See ¶ 29). Status: Not Started	TBD	OASIS
b) Modify NAESB standards WEQ-001-9.5, WEQ-001-10.5, and related standards to be consistent with the Commission's policy in <i>Dynegy Power Marketing, Inc.</i> , 99 FERC ¶ 61,054 (2002) and <i>Entergy Services, Inc.</i> , 137 FERC ¶ 61,199 (2011), <i>order on reh'g and compliance</i> , 143 FERC ¶ 61,143 (2013). (See ¶ 49). Status: Started	2015	OASIS
c) Revise NAESB standard WEQ-001-106.2.5 to clarify when Transmission Providers may refuse a request for terminating secondary network service based on the availability of capacity. (See ¶ 59). Status: Not Started	2015	OASIS
d) Consider Bonneville Power Administration comment concerning the treatment of a conditional point-to-point reservation included in a coordinated group when displaced through preemption. (See ¶ 65). Not Started	2015	OASIS
8. DSM-EE Certification Program		
a) Develop a specification for energy efficiency products and services to support a certification program. Status: Complete	4 th Q, 2013	DSM-EE
b) Develop a specification for demand response products and services to support a certification program. Status: Complete	3 rd Q, 2014	DSM-EE
9. Gas/Electric Coordination		
a) As provided for the GEH Report approved by the Board of Directors on September 20, 2012, (http://www.naesb.org/pdf4/bd092012a1.pdf), which was initiated by the NPC Report ⁹ , review and provide direction to develop standards or modify existing standards as needed for market timelines and coordination of scheduling. Status: Closed.	3 rd Q, 2014	Gas-Electric Harmonization Committee & Forum, WEQ EC, WGQ EC

⁹ Review and develop standards as needed and requested based on the National Petroleum Council (NPC) findings as communicated by the NAESB Board of Directors, government agencies or reliability organizations, as applicable. (9-15-11 NPC Report: <http://www.npc.org/NARD-ExecSummVol.pdf>)

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix H: NAESB 2014 Wholesale Electric Quadrant Annual Plan
December 18, 2014

NORTH AMERICAN ENERGY STANDARDS BOARD
2014 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT
Adopted by Board of Directors on December 11, 2014

Item Description	Completionⁱ	Assignmentⁱⁱ
b) As provided for the GEH Report approved by the Board of Directors on September 20, 2012, (http://www.naesb.org/pdf4/bd092012a1.pdf), which was initiated by the NPC Report ¹⁰ , review and provide direction to develop standards or modify existing standards as needed for flexibility in scheduling. Status: Closed.	3 rd Q, 2014	Gas-Electric Harmonization Committee & Forum, WEQ EC, WGQ EC
c) As provided for the GEH Report approved by the Board of Directors on September 20, 2012, (http://www.naesb.org/pdf4/bd092012a1.pdf), which was initiated by the NPC Report ¹¹ , review and provide direction to develop standards or modify existing standards as needed for provision of information. Status: .Closed.	3 rd Q, 2014	Gas-Electric Harmonization Committee & Forum, WEQ EC, WGQ EC

¹⁰ Id.

¹¹ Id.

**NORTH AMERICAN ENERGY STANDARDS BOARD
2014 ANNUAL PLAN for the WHOLESale ELECTRIC QUADRANT
Adopted by Board of Directors on December 11, 2014**

PROVISIONAL ITEMS

1. Gas/Electric Coordination

- a) Conduct assessment to determine if Electric Industry Requirements documented in WEQ-011 Gas / Electric Coordination should be considered reliability requirements and transition to NERC.

2. Optional work to extend existing standards

- a) Prepare recommendations for future path for TLR¹² (Phase 2) in concert with NERC, which may include alternative congestion management procedures¹³. Work on this activity is dependent on completing 2010 WEQ Annual Plan 1.a (Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection - Phase 1).
- b) Develop needed business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers. Common code usage is linked to the transition of the Registry from NERC to NAESB.
- c) Develop business practices for allocating capacity among requests received during a submittal window Order 890-A ([Docket Nos. RM05-17-001, 002 and RM05-25-001, 002](#) - Paragraph 805)¹⁴.

3. Pending Regulatory or Legislative Action

- a) Determine NAESB action needed to support FERC Action Plan for Smart Grid Technology.
- b) Develop business practice standards for cap and trade programs for greenhouse gas.
- c) Develop standards as needed based on FERC Order No. 1000. ([NAESB Analysis of FERC Order No. 1000](#))
- d) Develop standards as needed in support of Variable Energy Resources (VERs) final order (RM10-11-000). ([NAESB Comments 3-2-11](#), [FERC NOPR RM10-11-000](#), [FERC Final Order No. 764](#), [Docket No. RM10-11-000](#))¹⁵

¹² Phase 2 of the Parallel Flow Visualization looks at developing options for and reporting of the most cost effective alternatives to achieve curtail obligations assigned during Phase 1.

¹³ For additional information, please see comments submitted by PJM and Midwest ISO for this Annual Plan Item: http://www.naesb.org/pdf3/weq_aplan102907w1.pdf.

¹⁴ 805. 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.

¹⁵ For FERC Final Order No. 764, Docket No. RM10-11-000, specifically paragraph nos. 146 and 182 should be reviewed:

146. The Commission concludes that an independent review of NERC standards and NAESB business practices is not necessary prior to the implementation of intra-hour scheduling. As noted by NERC, several entities currently offer intra-hour scheduling without any apparent conflict with Reliability Standards. NERC comments that it does not believe there are any existing standards that prohibit industry from implementing intra-hour scheduling, and no commenters have pointed to specific NAESB business practices that prevent industry from implementing intra-hour scheduling. The Commission therefore concludes that it is not necessary to delay adoption of the intra-hour scheduling requirements of this Final Rule pending further review of NERC Reliability Standards and NAESB business practices. To the extent industry believes it is beneficial to refine one or more existing NERC Reliability Standards or NAESB business practices to reflect intra-hour scheduling, stakeholders can use existing processes to pursue such refinements.

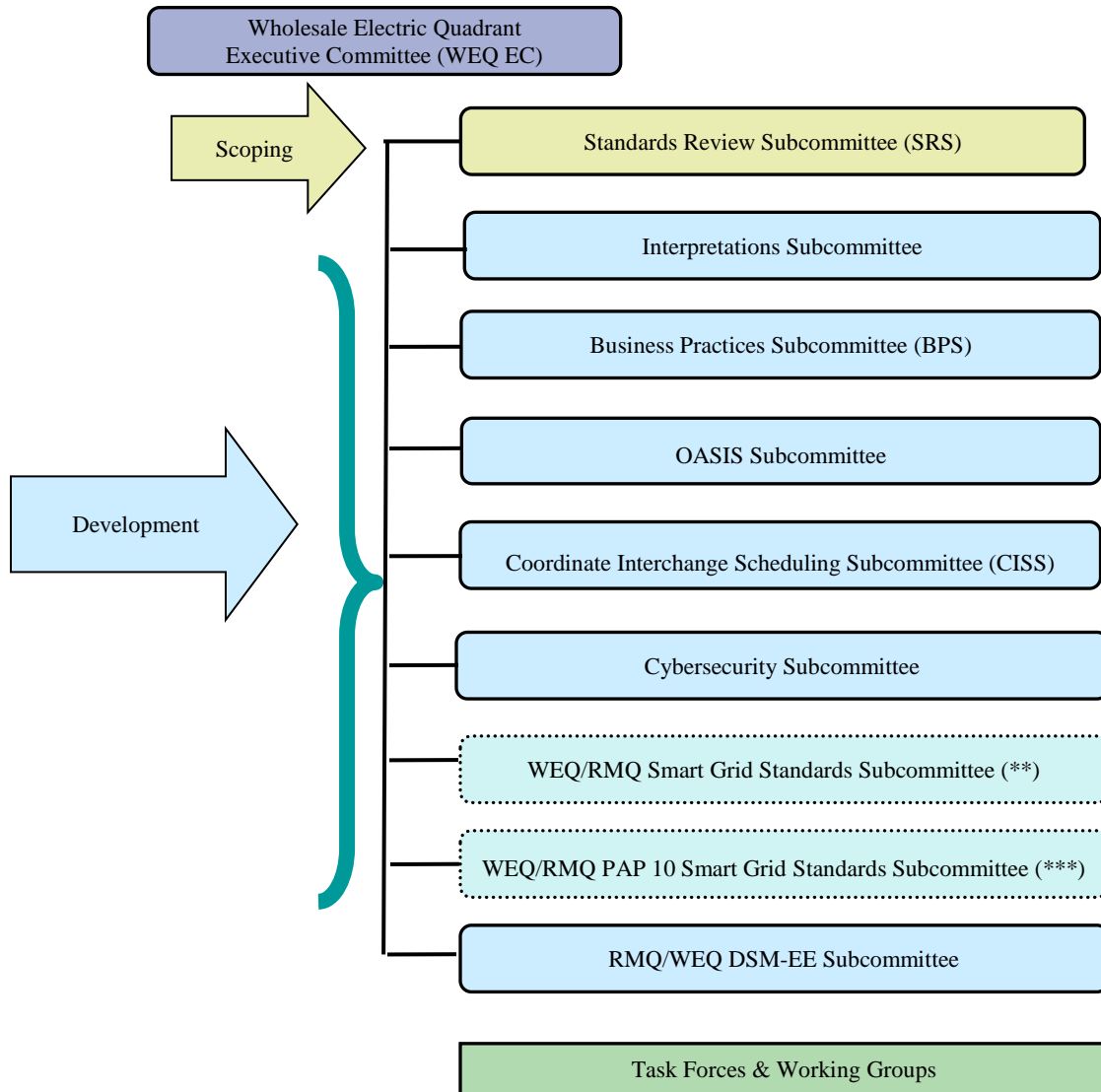
182. Some commenters request that the Commission standardize protocols for reporting meteorological or forced outage data required by this Final Rule. The Proposed Rule did not contain standard protocols for data reporting and, as a result, the merits of such a requirement have not been fully addressed in the record. Whether standardization of data communications would facilitate or hinder development of

NORTH AMERICAN ENERGY STANDARDS BOARD
2014 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT
 Adopted by Board of Directors on December 11, 2014

PROVISIONAL ITEMS

- e) Develop and/or modify Demand Response Standards as needed in conformance with final D.C. Circuit ruling on FERC Order No. 745

WHOLESALE ELECTRIC QUADRANT EXECUTIVE COMMITTEE AND SUBCOMMITTEE STRUCTURE



power production forecasting may implicate a variety of data and communications issues that would benefit from broad industry input through standards development processes such as those used by NAESB and other organizations.

Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix H: NAESB 2014 Wholesale Electric Quadrant Annual Plan
December 18, 2014

NAESB WEQ EC and Active Subcommittee Leadership:

Executive Committee (EC): Kathy York (Chair) and Bob Harshbarger (Vice Chair)

Standards Review Subcommittee (SRS): Rebecca Berdahl

Interpretations Subcommittee: Ed Skiba

Business Practices Subcommittee (BPS) & Time and Inadvertent Management Task Force (TIMTF): Jason Davis, Ross Kovacs, Narinder Saini

Open Access Same Time Information System (OASIS) Subcommittee: J.T. Wood, Alan Pritchard

Coordinate Interchange Scheduling Subcommittee (CISS): Bob Harshbarger (NAESB), Joshua Phillips (NERC)

Cybersecurity Subcommittee: Jim Buccigross

Demand Side Management-Energy Efficiency (DSM-EE) RMQ/WEQ Subcommittee: Ruth Kiselewich (RMQ), Roy True (WEQ), Paul Wattles (WEQ), and Eric Winkler (RMQ)

Inactive Subcommittees:

e-Tariff Joint WEQ/WGQ Subcommittee (e-Tariff): Keith Sappenfield (WGQ)

(**) The Smart Grid Standards Subcommittee is a joint group of the retail electric and wholesale electric quadrants with other standards development groups such as OASIS (Organization for the Advancement of Structured Information Standards, not Open Access Same Time Information Systems related to NAESB standards and FERC actions), CalConnect, FIX and UCAIug, among others. Direction may be given from NIST, DoE or FERC and the group reports jointly to the NAESB Board Smart Grid Strategic Steering Committee and the WEQ and RMQ ECs.

(***) The PAP 10 Smart Grid Standards Subcommittee is a joint group of the retail electric and wholesale electric quadrants with other standards development groups such as OASIS, UCAIug, OpenADE, ZigBee, ASHRAE, EIS Alliance, NARUC and includes other groups. Direction may be given from NIST, DoE or FERC and the group reports jointly to the NAESB Board Smart Grid Strategic Steering Committee and the WEQ and RMQ ECs

**NORTH AMERICAN ENERGY STANDARDS BOARD
2015 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT
Adopted by the Board of Directors on December 11, 2014**

Item Description	Completion ⁱⁱⁱ	Assignment ^{iv}
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) Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection – Permanent Solution ¹ Note: Consideration should be given to provisional item 2.a. Work is being coordinated with the IDC Association. Status: Pending EC Action	TBD	BPS
b) Perform consistency review of WEQ-008 Transmission Loading Relief Business Practice Standards and develop recommendation. ² Status: Pending EC Action	TBD	BPS
c) Disturbance Control Standard (DCS) (BAL-002) Coordination with NERC Project 2010-14.1 Phase 1 of Balancing Authority Reliability-based Controls: Reserves Status: Monitor	TBD	BPS/TIMTF
d) Revise TLR level 5 to be treated similarly to TLR Level 3 in terms of treating the next hour allocation separately from that of current hour. (R11020) Status: Pending EC Action	TBD	BPS
e) Develop, modify or delete business practice standards to support request R14002 (NERC Project 2012-05 ATC Revisions (MOD A)). ³ Status: Started	2 nd Q, 2015	BPS
f) Develop, modify or delete business practices standards to support NERC activities related to NERC Time Error Correction (BAL-004-0) Status: Not Started	TBD	BPS
2. Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)⁴		
a) Develop version 3 business practice standards to better coordinate the use of the transmission system among neighboring transmission providers. Status: Underway Request R05004 was expanded to include the Order No. 890 (Docket Nos. RM05-17-000 and RM02-25-000) , (Order No. 890-A (Docket Nos. RM05-17-001, 002 and RM05-25-001, 002)) , and Order No. 890-B (Docket Nos. RM05-17-03 and RM05-25-03) “Preventing Undue Discrimination and Preference in Transmission Services”		

² In some sections of WEQ-008 it appears that the standards are applicable to all of the Interconnections and other it appears that the standards are only applicable to the Eastern Interconnection. The title indicates the standards are applicable to the Eastern Interconnection.

³The FERC NOPR issued June 19, 2014, available at the following link: <http://www.ferc.gov/whats-new/comm-meet/2014/061914/E-17.pdf>.

⁴ FERC Order No. 890, issued February 16, 2007, can be accessed from the following link: http://www.naesb.org/doc_view4.asp?doc=ferc021607.doc.

**NORTH AMERICAN ENERGY STANDARDS BOARD
2015 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT
Adopted by the Board of Directors on December 11, 2014**

Item Description	Completion ⁱⁱⁱ	Assignment ^{iv}
i) Group 4: Preemption; Request No. R05019 (Part of Preemption and Competition) Status: Started	2015	OASIS
ii) Group 6: Miscellaneous (Paragraph 1627 ⁵ of FERC Order No. 890)		
1) Paragraphs 1627 of Order 890 – Posting of additional information on OASIS regarding firm transmission curtailments Status: Not Started	TBD	OASIS
2) Redispatch Cost Posting to allow for posting of third party offers of planning redispatch services. Status: Not Started	TBD	OASIS
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) Make remaining incremental enhancements to OASIS as an outgrowth of the NAESB March 29, 2005 conference on the future of OASIS (R05026). Scoping statement completed by SRS. There were a number of assignments from the Standards Request. The outstanding items are included below:		
1) Eliminate Masking of TSR tag source and sink when requested status is denied, withdrawn refused, displaced, invalid, declined, annulled or retracted Status: Not Started	TBD	OASIS
2) Initiate standard that eliminates the disparity of posting “sensitive” information. This standard should also include procedures of user certification that allows access to this class of information. Status: Underway (upon further development of this item by NAESB, a completion date will be determined)	TBD	OASIS
3) Enhance the TSR result postings to allow showing of (i) limiting transmission elements and (ii) available generation dispatch options that would allow acceptance of reservation request. Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	TBD	OASIS

⁵ Paragraph 1627 of FERC Order No. 890, issued February 16, 2007: We agree with suggestions for the posting of additional curtailment information on OASIS and, therefore, require transmission providers, working through NAESB, to develop a detailed template for the posting of additional information on OASIS regarding firm transmission curtailments. Transmission providers need not implement this new OASIS functionality and any related business practices until NAESB develops appropriate standards. These postings must include 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. This information is in addition to the Commission’s existing requirements: (1) when any transmission is curtailed or interrupted, the transmission provider must post notice of the curtailment or interruption on OASIS, and the transmission provider must state on OASIS the reason why the transaction could not be continued or completed; (2) information to support any such curtailment or interruption, including the operating status of facilities involved in the constraint or interruption, must be maintained for three years and made available upon request to the curtailed or interrupted customer, the Commission’s Staff, and any other person who requests it; and, (3) 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.

**NORTH AMERICAN ENERGY STANDARDS BOARD
2015 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT
Adopted by the Board of Directors on December 11, 2014**

Item Description	Completion ⁱⁱⁱ	Assignment ^{iv}
b) Requirements for OASIS to use data in the Electric Industry Registry (R12001) Status: Not Started	TBD	OASIS
4. Develop and/or maintain standard communication protocols and - cybersecurity business practices as needed.		
a) Develop modifications for WEQ-012 as needed to reflect current market conditions		
i) Review annually at a minimum, the accreditation requirements for Authorized Certification Authorities to determine if any changes are needed to meet market conditions. ⁶ Status: Not Started	2015	Cybersecurity Subcommittee
b) Review WEQ standards for impact of XML vulnerability exploits and make modifications as needed to standards and functional specifications Status: Not Started	TBD	Cybersecurity Subcommittee/ CISS
c) Evaluate and modify standards as needed to support and/or complement the current version of the NERC Critical Infrastructure Protection Standards ⁷ and any other activities of the FERC related to cybersecurity.	2 nd Q, 2015	Cybersecurity Subcommittee
5 Maintain existing body of Version 3.x standards		
a) Consistent with ¶51 of FERC Order No. 890-A, add AFC and TFC values to the “System_Attribute” data element of the NAESB Standard WEQ-003: OASIS S&CP Data Dictionaries. (R08011) Status: Underway	2015	OASIS
b) Correct WEQ 013-2.6.7.2. – Resale off OASIS (R08027) Status: Not Started	TBD	OASIS
c) Add language to WEQ-001-4 Online Negotiation and Confirmation process to clarify Table 4-3 (R09003) Status: Started	2015	OASIS
d) Create a new OASIS mechanism that allows for the merger of like reservations without the use of the resale mechanism (R09015) Status: Not Started	TBD	OASIS
e) Improve transparency to allow customers to determine whether they have been treated in a non-discriminatory manner by posting of additional information on OASIS when service is denied (i.e. refused or declined) by customer(s) using new SAMTS process across multiple transmission systems to serve their NITS load on multiple systems. (R12006) Status: Not Started	TBD	OASIS
f) Review WEQ-004, EIR Business Practice Standards, e-Tag Specification, and e-Tag Schema to make the necessary modifications to recognize the Market Operator Role within the Electric Industry Registry	2015	CISS

⁶ The “NAESB Accreditation Requirements for Authorized Certification Authorities” can be found at: http://www.naesb.org/member_login_check.asp?doc=certification_specifications.docx.

⁷ <http://www.nerc.com/pa/Stand/Pages/CIPStandards.aspx>

**NORTH AMERICAN ENERGY STANDARDS BOARD
2015 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT
Adopted by the Board of Directors on December 11, 2014**

Item Description	Completion ⁱⁱⁱ	Assignment ^{iv}
6. Develop or modify standards to Support FERC Order No. 676-E, (Docket No. RM 05-5-013)		
a) Develop standards to support the Transmission Provider right to reassess the availability of conditional firm (See ¶ 72 ⁸) Status: Not Started	TBD	OASIS
7. Develop or modify standards to Support FERC Order No. 676-H (Docket No. RM05-5-022)		
a) Consistent with FERC Order Nos. 890 and 676-H, modify NAESB standards WEQ-001-14.1.3 and WEQ-001-15.1.2 to provide for a one-day requirement for posting Available Transfer Capability narratives. (See ¶ 29). Status: Not Started	TBD	OASIS
b) Modify NAESB standards WEQ-001-9.5, WEQ-001-10.5, and related standards to be consistent with the Commission’s policy in <i>Dynegy Power Marketing, Inc.</i> , 99 FERC ¶ 61,054 (2002) and <i>Entergy Services, Inc.</i> , 137 FERC ¶ 61,199 (2011), <i>order on reh’g and compliance</i> , 143 FERC ¶ 61,143 (2013), 148 FERC ¶ 61,209 (2014). (See ¶ 49). Status: Started	2015	OASIS
c) Revise NAESB standard WEQ-001-106.2.5 to clarify when Transmission Providers may refuse a request for terminating secondary network service based on the availability of capacity. (See ¶ 59). Status: Not Started	2015	OASIS
d) Consider Bonneville Power Administration comment concerning the treatment of a conditional point-to-point reservation included in a coordinated group when displaced through preemption. (See ¶ 65). Not Started	2015	OASIS

⁸ 72. However, we reiterate here the Commission’s finding in Order No. 890 that a transmission provider is permitted to extend its right to reassess the availability of conditional firm service. Since the Version 002.1 Standards do not specifically address this issue, we would ask the industry, working through NAESB, to continue to look at additional business practice standards facilitating a transmission provider’s extension of its right to perform a reassessment.

NORTH AMERICAN ENERGY STANDARDS BOARD
2015 ANNUAL PLAN for the WHOLESale ELECTRIC QUADRANT
As Proposed by the WEQ Annual Plan Subcommittee

PROVISIONAL ITEMS

1. **Gas/Electric Coordination**
 - a) Conduct assessment to determine if Electric Industry Requirements documented in WEQ-011 Gas / Electric Coordination should be considered reliability requirements and transition to NERC.

 2. **Optional Work to Extend Existing Standards**
 - a) Prepare recommendations for future path for TLR⁹ (Phase 2) in concert with NERC, which may include alternative congestion management procedures¹⁰. Work on this activity is dependent on completing 2010 WEQ Annual Plan 1.a (Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection - Phase 1).
 - b) Develop needed business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers. Common code usage is linked to the transition of the Registry from NERC to NAESB.

 3. **Pending Regulatory or Legislative Action**
 - a) Determine NAESB action needed to support FERC Action Plan for Smart Grid Technology.
 - b) Develop business practice standards for cap and trade programs for greenhouse gas.
 - c) Develop standards as needed based on FERC Order No. 1000. ([NAESB Analysis of FERC Order No. 1000](#))
 - d) Develop standards as needed in support of Variable Energy Resources (VERs) final order (RM10-11-000). ([NAESB Comments 3-2-11](#), [FERC NOPR RM10-11-000](#), [FERC Final Order No. 764](#), [Docket No. RM10-11-000](#)¹¹)
 - f) Develop and/or modify Demand Response Standards as needed in conformance with final D.C. Circuit ruling on FERC Order No. 745
-

⁹ Phase 2 of the Parallel Flow Visualization looks at developing options for and reporting of the most cost effective alternatives to achieve curtail obligations assigned during Phase 1.

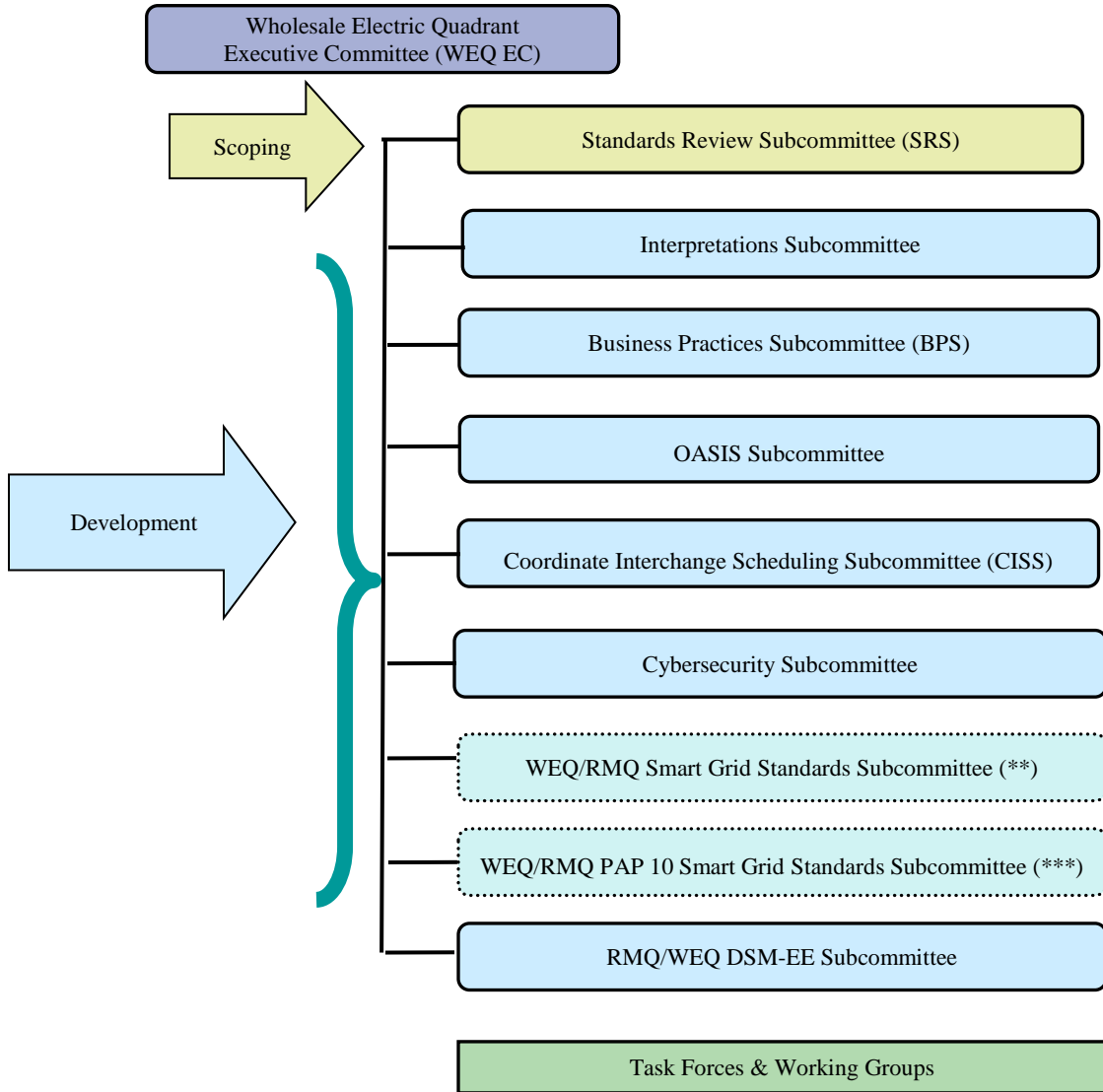
¹⁰ For additional information, please see comments submitted by PJM and Midwest ISO for this Annual Plan Item: http://www.naesb.org/pdf3/weq_aplan102907w1.pdf.

¹¹ For FERC Final Order No. 764, Docket No. RM10-11-000, specifically paragraph nos. 146 and 182 should be reviewed:

146. The Commission concludes that an independent review of NERC standards and NAESB business practices is not necessary prior to the implementation of intra-hour scheduling. As noted by NERC, several entities currently offer intra-hour scheduling without any apparent conflict with Reliability Standards. NERC comments that it does not believe there are any existing standards that prohibit industry from implementing intra-hour scheduling, and no commenters have pointed to specific NAESB business practices that prevent industry from implementing intra-hour scheduling. The Commission therefore concludes that it is not necessary to delay adoption of the intra-hour scheduling requirements of this Final Rule pending further review of NERC Reliability Standards and NAESB business practices. To the extent industry believes it is beneficial to refine one or more existing NERC Reliability Standards or NAESB business practices to reflect intra-hour scheduling, stakeholders can use existing processes to pursue such refinements.

182. Some commenters request that the Commission standardize protocols for reporting meteorological or forced outage data required by this Final Rule. The Proposed Rule did not contain standard protocols for data reporting and, as a result, the merits of such a requirement have not been fully addressed in the record. Whether standardization of data communications would facilitate or hinder development of power production forecasting may implicate a variety of data and communications issues that would benefit from broad industry input through standards development processes such as those used by NAESB and other organizations.

WHOLESALE ELECTRIC QUADRANT EXECUTIVE COMMITTEE AND SUBCOMMITTEE STRUCTURE



Status Report of the North American Energy Standards Board
The Development of NAESB Modeling, Data, and Analysis Business Practice Standards
(Docket Nos. RM05-5-000 and RM14-7-000)

Appendix I: NAESB 2015 Wholesale Electric Quadrant Annual Plan
December 18, 2014

NAESB WEQ EC and Active Subcommittee Leadership:

Executive Committee (EC): Kathy York (Chair) and Bob Harshbarger (Vice Chair)

Standards Review Subcommittee (SRS): Rebecca Berdahl

Interpretations Subcommittee: Ed Skiba

Business Practices Subcommittee (BPS) & Time and Inadvertent Management Task Force (TIMTF): Jason Davis, Ross Kovacs, Narinder Saini

Open Access Same Time Information System (OASIS) Subcommittee: J.T. Wood, Alan Pritchard

Coordinate Interchange Scheduling Subcommittee (CISS): Bob Harshbarger (NAESB), Joshua Phillips (NERC)

Cybersecurity Subcommittee: Jim Buccigross

Demand Side Management-Energy Efficiency (DSM-EE) RMQ/WEQ Subcommittee: Ruth Kiselewich (RMQ), Roy True (WEQ), Paul Wattles (WEQ), and Eric Winkler (RMQ)

Inactive Subcommittees:

e-Tariff Joint WEQ/WGQ Subcommittee (e-Tariff): Keith Sappenfield (WGQ)

(**) The Smart Grid Standards Subcommittee is a joint group of the retail electric and wholesale electric quadrants with other standards development groups such as OASIS (Organization for the Advancement of Structured Information Standards, not Open Access Same Time Information Systems related to NAESB standards and FERC actions), CalConnect, FIX and UCAIug, among others. Direction may be given from NIST, DoE or FERC and the group reports jointly to the NAESB Board Smart Grid Strategic Steering Committee and the WEQ and RMQ ECs.

(***) The PAP 10 Smart Grid Standards Subcommittee is a joint group of the retail electric and wholesale electric quadrants with other standards development groups such as OASIS, UCAIug, OpenADE, ZigBee, ASHRAE, EIS Alliance, NARUC and includes other groups. Direction may be given from NIST, DoE or FERC and the group reports jointly to the NAESB Board Smart Grid Strategic Steering Committee and the WEQ and RMQ ECs.

End Notes WEQ 2014 Annual Plan:

ⁱ Dates in the completion column are by end of the quarter for completion by the assigned committee, sub-committee or task force. 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.

ⁱⁱ The assignments are abbreviated. The abbreviations and sub-committee structure can be found at the end of the annual plan document.

End Notes WEQ 2015 Annual Plan:

ⁱⁱⁱ Dates in the completion column are by end of the quarter for completion by the assigned committee, sub-committee or task force. 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.

^{iv} The assignments are abbreviated. The abbreviations and sub-committee structure can be found at the end of the annual plan document.