



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

September 25, 2015
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 to support 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. The purpose of this report is to inform the Commission that NAESB has completed the standards development process within the previously communicated time period and will file the new suite of business practice standards as part of Version 003.1 of the NAESB WEQ Business Practice Standards in October 2015. The information contained in this filing is intended to supplement the comments NAESB submitted to the Commission on August 25, 2014 as well as the previous status report made by NAESB on December 18, 2015 in the above referenced dockets.

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 Norman C. Bay, Federal Energy Regulatory Commission
Commissioner Tony Clark, Federal Energy Regulatory Commission
Commissioner Colette Honorable, Federal Energy Regulatory Commission
Commissioner Cheryl LaFleur, Federal Energy Regulatory Commission
Commissioner Philip D. Moeller, Federal Energy Regulatory Commission

September 25, 2014
Page 1

Mr. Michael Bardee, Office of Electric Reliability, Federal Energy Regulatory Commission
Mr. Max Minzner, 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

Mr. Cade Burks, Chairman and CEO, North American Energy Standards Board
Mr. Michael Desselle, Vice Chairman, 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 Included in the NAESB WEQ Business Practice Standards
Appendix B Links to Meeting Notes, Comments, Work Papers, and Voting Records
Appendix C List of Executive Committee Minutes and Available Transcripts
Appendix D Links to WEQ Member Ratification Ballot and Ratification Results
Appendix E NAESB Process to Develop and Adopt Standards
Appendix F NAESB 2014 WEQ Annual Plan
Appendix G 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**

Standards for Business Practices And Communication Protocols for Public Utilities)	Docket No. RM05-5-000
)	
)	
Modeling, Data, and Analysis Reliability Standards)	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 effort of the NAESB Wholesale Electric Quadrant ("WEQ") to develop business practice standards to support the proposed deletion of several North American Electric Reliability Corporation's ("NERC") Modeling, Data, and Analysis ("MOD") Reliability Standards and the adoption of the proposed consolidated NERC MOD-001-2 Reliability Standard currently before the Commission and the subject of a Notice of Proposed Rulemaking in Docket No. RM14-7-000. In Standards Request R14002, NERC asked NAESB to consider the transition of commercially relevant requirements proposed for retirement by NERC within the NERC MOD Reliability Standards to the NAESB WEQ Business Practice Standards. As a result of this effort, NAESB created the NAESB WEQ-023 Modeling Business Practice Standards, adopted by the WEQ Executive Committee on August 18, 2015 and ratified by WEQ membership on September 18, 2015. This new suite of business practice standards will be included in Version 003.1 of the NAESB WEQ Business Practice Standards NAESB plans to file with the Commission in October 2015. The purpose of this report is to provide the Commission information regarding the standards development process and is purely informational in nature.

As previously noted, this effort was initiated by a standards request NERC submitted to NAESB in February 2014. Due to the large size of the request, which contained over 200 requirements for NAESB evaluation, the WEQ Executive Committee created the WEQ Executive Committee MOD Standard Scoping Task Force for the purpose of recommending a defined scope and timeline for standards development. Based on the recommendations of the task force, the WEQ Executive Committee assigned the WEQ Business Practices Subcommittee ("BPS") with the task of developing business practice standards to support the standards request. The subcommittee began its work in October 2014 and held bi-monthly meetings to complete the drafting of the proposed business practice standards. The majority of the new business practice standards are sourced from requirements proposed by NERC for retirement from the NERC MOD Reliability Standards. However, during the standards development process, it became apparent that a recommendation on the proposed business practice standards could not gain subcommittee

approval without the addition of new standards to address contract path management. The current NERC MOD Reliability Standards contain requirements related to contract path management for two of the three methodologies used to calculate Available Transfer Capability (“ATC”)/Available Flowgate Capability (“AFC”): the Area Interchange Methodology and the Rated System Path Methodology. However, similar requirements were not included in the NERC MOD Reliability Standards for the Flowgate Methodology as contract path management was determined to serve no reliability function for this methodology. The two new business practice standards created by the subcommittee to address contract path management, WEQ-023-1.4 and WEQ-023-1.4.1, act to limit the amount of firm transmission service across an ATC path between balancing authorities to the contract path limit for that given ATC path.

Additionally, the recommendation developed by the WEQ BPS makes modifications to WEQ-000 Abbreviations, Acronyms, and Definition of Terms, WEQ-001 Open Access Same-Time Information Systems (OASIS), WEQ-003 OASIS Data Dictionary, and WEQ-013 OASIS Implementation Guide. In WEQ-000, the WEQ BPS proposed the addition of three new abbreviations/acronyms and eight new defined terms. The modifications made to WEQ-001 move business practice standards related to the calculations of ATC/AFC, WEQ-001-18, WEQ-001-19, and the related WEQ-001-D Appendix D, to the newly created suite of business practice standards, WEQ-023. In transferring the business practice standards, the subcommittee made minor, non-substantive modifications to the language of the business practice standards, mostly for consistency purposes. However, the example previously provided in WEQ-001-D Appendix D and now found in WEQ-023-A Appendix A was updated to reflect the two methods to calculate non-firm ATC when unscheduled firm capacity is released. The modifications in WEQ-003 and WEQ-013 were made for consistency purposes to correct abbreviation and acronym errors.

On June 25, 2015, the WEQ BPS unanimously voted out the recommendation of subcommittee, and it was submitted for a thirty-day formal, industry comment period concluding on July 28, 2015. Seven total sets of formal comments were submitted by Idaho Power, Bonneville Power Administration, Southern Company, PJM, North Carolina Electric Membership Corporation, Southwest Power Pool, and jointly by Electric Reliability Council of Texas, Independent Electricity System Operator, MISO, and PJM. The WEQ BPS met to review the formal comments and submitted late formal comments to resolve issues raised by the formal commenters. The majority of the proposed changes were non-substantive, consistency modifications, but revisions were made to the contract path language found in WEQ-023-1.4 and WEQ-023-1.4.1 to provide additional clarity to the two business practice standards.

The WEQ Executive Committee met on August 18, 2015 to review the recommendation of the WEQ BPS and the accompanying formal comments. During the meeting, a lengthy discussion was held on the two standards addressing contract path management, WEQ-023-1.4 and WEQ-023-1.4.1. While there was general consensus that the issue should be addressed in the NAESB Business Practice Standards, some participants expressed support for the development of additional business practice standards related to contract path management. As such, the WEQ Executive Committee, in unanimously adopting the proposed business practice standards, requested the creation of a task force to document additional issues related to contract path management that could benefit from commercial

standardization in order to clarify the scope of potential future standards development. Following the adoption by the WEQ Executive Committee, the business practice standards were submitted for ratification by the WEQ membership and ratified on September 18, 2015.

The newly created WEQ Executive Committee Contract Path Task Force held its initial meeting on September 18, 2015. The task force is charged with documenting any additional issues related to contract path management and providing a report to the WEQ Executive Committee at its meeting in October 2015. Three additional conference calls of the task force are scheduled prior to the next meeting of the WEQ Executive Committee. The meetings are open to all interested parties.

The new business practice standards have been incorporated into Version 003.1 of the NAESB WEQ Business Practice Standards as WEQ-023 Modeling Business Practice Standards. These business practice standards are scheduled to be filed with the Commission in October following the publication of Version 003.1. As indicated in the previous comments and the status report filed by NAESB with the Commission, NAESB is committed to working with the Commission and NERC to ensure a seamless industry implementation of the NAESB WEQ-023 Modeling Business Practice Standards and the NERC MOD-001-2 Reliability Standard. NAESB has maintained close coordination with NERC throughout the standards development process and will continue to work with the organization. As always, NAESB is ready to support the Commission's direction in the manner deemed appropriate.

Appendices:

- A..... Matrix of Requirements Included in the NAESB WEQ Business Practice Standards
- B..... Links to Meeting Notes, Comments, Work Papers, and Voting Records
- C..... List of Executive Committee Minutes and Available Transcripts
- D..... Links to WEQ Member Ratification Ballot and Ratification Results
- E..... NAESB Process to Develop and Adopt Standards
- F..... NAESB 2014 WEQ Annual Plan
- G..... NAESB 2015 WEQ Annual Plan

Appendix A: Matrix of Requirements Included in the NAESB WEQ Business Practice Standards
 September 25, 2015

Appendix A - Matrix of Requirements Included in the NAESB WEQ Business Practice Standards		
NERC Standard Number	NERC Standard Language	NAESB Standard Number
MOD-001-1a, Requirement R1	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: <ul style="list-style-type: none"> • The Area Interchange Methodology, as described in MOD-028 • The Rated System Path Methodology, as described in MOD-029 • The Flowgate Methodology, as described in MOD-030 	WEQ-023-1.1
MOD-001-1a, Requirement R2	Each Transmission Service Provider shall calculate ATC or AFC values as listed below using the methodology or methodologies selected by its Transmission Operator(s):	WEQ-023-1.2
MOD-001-1a, Requirement R2.1	Hourly values for at least the next 48 hours	WEQ-023-1.2
MOD-001-1a, Requirement R2.2	Daily values for at least the next 31 calendar days	WEQ-023-1.2
MOD-001-1a, Requirement R2.3	Monthly values for at least the next 12 months (months 2 – 13)	WEQ-023-1.2
MOD-001-1a, Requirement R3.1	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	WEQ-023-1.3
MOD-004-1, Requirement R1	The Transmission Service Provider that maintains CMB shall prepare and keep current a “Capacity Benefit Margin Implementation Document” (CBMID) that includes, at a minimum, the following information:	This requirement was included in this document to provide context for MOD-004-1, Requirement R1.3
MOD-004-1, Requirement R1.3	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	WEQ-023-3.1
MOD-004-1, Requirement R10	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.	WEQ-023-3.3

Appendix A: Matrix of Requirements Included in the NAESB WEQ Business Practice Standards
 September 25, 2015

Appendix A - Matrix of Requirements Included in the NAESB WEQ Business Practice Standards		
NERC Standard Number	NERC Standard Language	NAESB Standard Number
MOD-004-1, Requirement R11	When reviewing 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.	WEQ-023-3.2
MOD-004-1, Requirement R12	The Transmission Service Provider that maintains CBM shall approve, within the bounds of reliable operation, any Arranged Interchange using CMB that is submitted by an “energy deficient entity” under an EEA 2 if:	WEQ-023-3.3
MOD-004-1, Requirement R12.1	The CBM is available	WEQ-023-3.3
MOD-004-1, Requirement R12.2	The EEA 2 is declared within the Balancing Authority Area of the “energy deficient entity” and	WEQ-023-3.3
MOD-004-1, Requirement R12.3	The Load of the “energy deficient entity” is located within the Transmission Service Provider’s area.	WEQ-023-3.3
MOD-008-1, Requirement R2	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.	WEQ-023-4.1
MOD-028-1, Requirement R6.3	Use (as the TTC) the lesser of: <ul style="list-style-type: none"> • The sum of incremental Transfer Capability and the impacts of Firm Transmission Service, 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. 	WEQ-023-2.1.1
MOD-028-1, Requirement R7	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:	WEQ-023-2.1.2
MOD-028-1, Requirement R7.1	One calendar day after its determination of TTCs used in hourly and daily ATC calculations	WEQ-023-2.1.2

Appendix A: Matrix of Requirements Included in the NAESB WEQ Business Practice Standards
 September 25, 2015

Appendix A - Matrix of Requirements Included in the NAESB WEQ Business Practice Standards		
NERC Standard Number	NERC Standard Language	NAESB Standard Number
MOD-028-1, Requirement R7.2	Seven calendar days after its determination for TTCs used in monthly ATC calculations.	WEQ-023-2.1.2
MOD-028-1, Requirement R8	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: <i>See Standard for Formula</i>	WEQ-023-2.1.3
MOD-028-1, Requirement R9	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: <i>See Standards for Formula</i>	WEQ-023-2.1.4
MOD-028-1, Requirement R10	When calculating firm ATC for an ATC Path for a specified period, the Transmission Service Provider shall utilize the following algorithm: <i>See Standard for Formula</i>	WEQ-023-2.1.5
MOD-028-1, Requirement R11	When calculating non-firm ATC for a ATC Path for a specified period, the Transmission Service Provider shall use the following algorithm: <i>See Standard for Formula</i>	WEQ-023-2.1.6
MOD-029-1a, Requirement R2.3	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.	WEQ-023-2.2.1
MOD-029-1a, Requirement R4	Within seven calendar days of the finalization of the study report, the Transmission Operator shall make available to the Transmission Service Provider of the ATC Path, the most current value for TTC and the TTC study report documenting the assumptions used and steps taken in determining the current value for TTC for that ATC Path.	WEQ-023-2.2.2
MOD-029-1a, Requirement R5	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: <i>See Standard for Formula</i>	WEQ-023-2.2.3
MOD-029-1a, Requirement R6	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: <i>See Standard for Formula</i>	WEQ-023-2.2.4
MOD-029-1a, Requirement R7	When calculating firm ATC for an ATC Path for a specified period, the Transmission Service Provider shall use the following algorithm: <i>See Standard for Formula</i>	WEQ-023-2.2.5

Appendix A: Matrix of Requirements Included in the NAESB WEQ Business Practice Standards
 September 25, 2015

Appendix A - Matrix of Requirements Included in the NAESB WEQ Business Practice Standards		
NERC Standard Number	NERC Standard Language	NAESB Standard Number
MOD-029-1a, Requirement R8	When calculating non-firm ATC for an ATC Path for a specified period, the Transmission Service Provider shall use the following algorithm: <i>See Standard for Formula</i>	WEQ-023-2.2.6
MOD-030-2, Requirement R2.6	Provide the Transmission Service Provider with the TFCs within seven calendar days of their establishment	WEQ-023-2.3.1
MOD-030-2, Requirement R6	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:	WEQ-023-2.3.2
MOD-030-2, Requirement R6.1	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:	WEQ-023-2.3.2.1
MOD-030-2, Requirement R6.1.1	Load forecast for the time period being calculated, including Native Load and Network Service load.	WEQ-023-2.3.2.1.1
MOD-030-2, Requirement R6.1.2	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.	WEQ-023-2.3.2.1.2
MOD-030-2, Requirement R6.2	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:	WEQ-023-2.3.2.1.1
MOD-030-2, Requirement R6.2.1	Load forecast for the time period being calculated, including Native Load and Network Service load.	WEQ-023-2.3.2.1.1
MOD-030-2, Requirement R6.2.2	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.	WEQ-023-2.3.2.1.2

Appendix A: Matrix of Requirements Included in the NAESB WEQ Business Practice Standards
 September 25, 2015

Appendix A - Matrix of Requirements Included in the NAESB WEQ Business Practice Standards		
NERC Standard Number	NERC Standard Language	NAESB Standard Number
MOD-030-2, Requirement R6.3	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.	WEQ-023-2.3.2.3
MOD-030-2, Requirement R6.4	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.	WEQ-023-2.3.2.4
MOD-030-2, Requirement R6.5	The impact of any Grandfathered firm obligations expected to be scheduled or expected to flow for the Transmission Service Provider's area.	WEQ-023-2.3.2.5
MOD-030-2, Requirement R6.6	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.	WEQ-023-2.3.2.6
MOD-030-2, Requirement R6.7	The impact of other firm services determined by the Transmission Service Provider	WEQ-023-2.3.2.7
MOD-030-2, Requirement R8	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): <i>See Standard for Formula</i>	WEQ-023-2.3.3
MOD-030-2, Requirement R9	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): <i>See Standard for Formula</i>	WEQ-023-2.3.5

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

Appendix B: Links to Meeting Notes, Comments, Work Papers, and Voting Records
 September 25, 2015

Appendix B –Links to Meeting Minutes, Comments, Work Papers and Voting Records			
Date of Meeting	Meeting Location / Request for Comments	Meeting Notes /Comments / Work Papers / Voting Records	Number of Participants
January 6-7, 2015	WEQ Business Practices Subcommittee Meeting with Web Conferencing, Tampa, FL	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps010615fm.docx Attachments: Draft Standard Language Revised 1/7/15: https://www.naesb.org/pdf4/weq_bps010615a1.doc BPA to NAESB BPS Discussion List revised 1/6/15: https://www.naesb.org/pdf4/weq_bps010615a2.docx WEQ BPS MOD Recommendation - Consistency Modifications: https://www.naesb.org/pdf4/weq_bps010615a3.doc Work Papers: WEQ BPS Action Item List Revised 12/4/14: https://www.naesb.org/pdf4/weq_bps010615w1.xlsx Draft Standard Language Revised 12/4/14: https://www.naesb.org/pdf4/weq_bps010615w2.doc BPS MOD Requirements Work Paper Revised 12/4/14: https://www.naesb.org/pdf4/weq_bps010615w3.xlsx Action Item 5 Work Paper: https://www.naesb.org/pdf4/weq_bps010615w4.docx BPS Discussion List Submitted by BPA: https://www.naesb.org/pdf4/weq_bps010615w5.docx Flowgate Methodology Contract Path Language: https://www.naesb.org/pdf4/weq_bps010615w6.docx	27
January 22, 2015	WEQ Business Practices Subcommittee Conference Call with Web Conferencing	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps012215fm.docx Attachments: Draft Standards Language - Revised 1/22/15: https://www.naesb.org/pdf4/weq_bps012215a1.doc WEQ BPS Action Item List: https://www.naesb.org/pdf4/weq_bps012215a2.xlsx MOD Motions Document: https://www.naesb.org/pdf4/weq_bps012215a3.doc Work Papers: WEQ BPS MOD Recommendation - Consistency Modifications: https://www.naesb.org/pdf4/weq_bps012215w1.doc	28

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

Appendix B: Links to Meeting Notes, Comments, Work Papers, and Voting Records
 September 25, 2015

Appendix B –Links to Meeting Minutes, Comments, Work Papers and Voting Records			
Date of Meeting	Meeting Location / Request for Comments	Meeting Notes /Comments / Work Papers / Voting Records	Number of Participants
February 3-4, 2015	WEQ Business Practices Subcommittee Meeting with Web Conferencing, Little Rock, AR	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps020315fm.docx Attachments: Draft BPS MOD Recommendation: https://www.naesb.org/pdf4/weq_bps020315a1.doc Action Item 11 Work Paper Revised 2/3/15: https://www.naesb.org/pdf4/weq_bps020315a2.docx Action Item 6 Work Paper Revised 2/4/15: https://www.naesb.org/pdf4/weq_bps020315a3.docx WEQ BPS Action Item List 2/4/15: https://www.naesb.org/pdf4/weq_bps020315a4.xlsx Work Papers: Draft Standards Language - Revised 1/22/15: https://www.naesb.org/pdf4/weq_bps020315w1.doc WEQ BPS Action Item List: https://www.naesb.org/pdf4/weq_bps020315w2.xlsx MOD Motions Document: https://www.naesb.org/pdf4/weq_bps020315w3.doc Action Item 13 Work Paper: https://www.naesb.org/pdf4/weq_bps020315w4.doc Action Item 10 Work Paper: https://www.naesb.org/member_login_check.asp?doc=weq_bps020315w5.doc Action Item 11 Work Paper: https://www.naesb.org/pdf4/weq_bps020315w6.docx Action Item 6 Work Paper: https://www.naesb.org/pdf4/weq_bps020315w7.docx	30

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

Appendix B: Links to Meeting Notes, Comments, Work Papers, and Voting Records
 September 25, 2015

Appendix B –Links to Meeting Minutes, Comments, Work Papers and Voting Records			
Date of Meeting	Meeting Location / Request for Comments	Meeting Notes /Comments / Work Papers / Voting Records	Number of Participants
February 17, 2015	WEQ Business Practices Subcommittee Conference Call with Web Conferencing	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps021715fm.docx Attachment: WEQ BPS Action Item List 2/17/15: https://www.naesb.org/pdf4/weq_bps021715a1.xlsx Work Papers: Draft BPS MOD Recommendation: https://www.naesb.org/pdf4/weq_bps021715w1.doc WEQ BPS Action Item List 2/4/15: https://www.naesb.org/pdf4/weq_bps021715w2.xlsx Action Item 15 Work Paper: https://www.naesb.org/pdf4/weq_bps021715w3.docx	16

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

Appendix B: Links to Meeting Notes, Comments, Work Papers, and Voting Records
 September 25, 2015

Appendix B –Links to Meeting Minutes, Comments, Work Papers and Voting Records			
Date of Meeting	Meeting Location / Request for Comments	Meeting Notes /Comments / Work Papers / Voting Records	Number of Participants
March 3-4, 2015	WEQ Business Practices Subcommittee Meeting with Web Conferencing, Tampa, FL	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps030315fm.docx Attachments: Work Paper by P. Graves, Duke - Revised 3/3/15: https://www.naesb.org/pdf4/weq_bps030315a1.docx Action Item 15 Work Paper Revised 3/4/15: https://www.naesb.org/pdf4/weq_bps030315a2.docx Draft BPS MOD Recommendation Revised 3/3/15: https://www.naesb.org/pdf4/weq_bps030315a3.doc WEQ BPS Action Item List 3/4/15: https://www.naesb.org/pdf4/weq_bps030315a4.xlsx Action Item 6 Work Paper Revised 3/3/15: https://www.naesb.org/pdf4/weq_bps030315a5.docx Work Papers: Action Item 15 Work Paper: https://www.naesb.org/pdf4/weq_bps030315w1.docx Draft BPS MOD Recommendation: https://www.naesb.org/pdf4/weq_bps030315w2.doc Action Item 14 Work Paper: https://www.naesb.org/pdf4/weq_bps030315w3.docx Discussion List Submitted by B. Fung, BPA: https://www.naesb.org/pdf4/weq_bps030315w4.docx WEQ BPS Action Item List 2/17/15: https://www.naesb.org/pdf4/weq_bps030315w5.xlsx Action Item 6 Work Paper: https://www.naesb.org/pdf4/weq_bps030315w6.docx Work Paper Submitted by P. Graves, Duke: https://www.naesb.org/pdf4/weq_bps030315w7.docx	27

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

Appendix B: Links to Meeting Notes, Comments, Work Papers, and Voting Records
 September 25, 2015

Appendix B –Links to Meeting Minutes, Comments, Work Papers and Voting Records			
Date of Meeting	Meeting Location / Request for Comments	Meeting Notes /Comments / Work Papers / Voting Records	Number of Participants
March 6, 2015	WEQ Business Practices Subcommittee Request for Informal Comments on 2015 WEQ Annual Plan Item 1.e/R14002 Draft Recommendation Revised 3/3/15 – Comments due March 16, 2015	Request for Comments: https://www.naesb.org/pdf4/weq_bps030615reqcom.doc Comments Submitted by R. Kelley, BPA: https://www.naesb.org/pdf4/weq_bps030615_bpa.docx Comments Submitted by R. Rebillard, Manitoba Hydro: https://www.naesb.org/pdf4/weq_bps030615_manitoba_hydro.docx Comments Submitted by M. Capper, Eugene Water & Electric Board: https://www.naesb.org/pdf4/weq_bps030615_eweb.docx Comments Submitted by D. Barker, LG&E/KU Services Company: https://www.naesb.org/pdf4/weq_bps030615_lge_ku.docx Comments Submitted by G. Rowland, Duke Energy: https://www.naesb.org/pdf4/weq_bps030615_duke.docx Comments Submitted by C. Wesley, PJM: https://www.naesb.org/pdf4/weq_bps030615_pjm.docx Comments Submitted by A. Wong, BC Hydro: https://www.naesb.org/pdf4/weq_bps030615_bc_hydro.docx Comments Submitted by J. Phillips on behalf of ERCOT, IESO, PJM, MISO, SPP: https://www.naesb.org/pdf4/weq_bps030615_ercot_ieso_pjm_miso_spp.docx Comments Submitted by JT Wood, Southern Company Services: https://www.naesb.org/pdf4/weq_bps030615_soco.doc Comments on the Contract Path Management Requirement Submitted by JT Wood, Southern Company Services: https://www.naesb.org/pdf4/weq_bps030615_soco_contract_path_management.doc Comments Submitted by E. Skiba, MISO: https://www.naesb.org/pdf4/weq_bps030615_miso.docx Comments Submitted by I. Hunter, Snohomish County PUD No. 1: https://www.naesb.org/pdf4/weq_bps030615_snopud.pdf Comments Submitted by S. McMahon, Los Angeles Department of Water and Power: https://www.naesb.org/pdf4/weq_bps030615_ladwp.docx Late Comments Submitted by M. Green, TVA: https://www.naesb.org/pdf4/weq_bps030615_tva_late.docx	N/A

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

Appendix B: Links to Meeting Notes, Comments, Work Papers, and Voting Records
 September 25, 2015

Appendix B –Links to Meeting Minutes, Comments, Work Papers and Voting Records			
Date of Meeting	Meeting Location / Request for Comments	Meeting Notes /Comments / Work Papers / Voting Records	Number of Participants
March 18, 2015	WEQ Business Practices Subcommittee Conference Call with Web Conferencing	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps031815fm.docx Work Papers: (See March 6, 2015 Comments above) Draft BPS MOD Recommendation Revised 3/3/15: https://www.naesb.org/pdf4/weq_bps031815w1.doc WEQ BPS Action Item List 3/4/15: https://www.naesb.org/pdf4/weq_bps031815w2.xlsx	28
April 1-2, 2015	WEQ Business Practices Subcommittee Meeting with Web Conferencing, New Orleans, LA	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps040115fm.docx Attachments: BPS MOD Requirements Work Paper Revised 4/2/15: https://www.naesb.org/pdf4/weq_bps040115a1.xlsx Draft Recommendation Revised 4/1/15: https://www.naesb.org/pdf4/weq_bps040115a2.doc WEQ BPS Action Item List Revised 4/1/15: https://www.naesb.org/pdf4/weq_bps040115a3.xlsx Work Papers: Draft BPS MOD Recommendation Revised 3/3/15: https://www.naesb.org/pdf4/weq_bps040115w1.doc WEQ BPS Action Item List 3/4/15: https://www.naesb.org/pdf4/weq_bps040115w2.xlsx Comments Submitted by JT Wood, Southern Company Services: https://www.naesb.org/pdf4/weq_bps040115w3.doc Contract Path Language Proposals: https://www.naesb.org/pdf4/weq_bps040115w4.doc	49

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

Appendix B: Links to Meeting Notes, Comments, Work Papers, and Voting Records
 September 25, 2015

Appendix B –Links to Meeting Minutes, Comments, Work Papers and Voting Records			
Date of Meeting	Meeting Location / Request for Comments	Meeting Notes /Comments / Work Papers / Voting Records	Number of Participants
May 5-6, 2015	WEQ Business Practices Subcommittee Meeting with Web Conferencing, Portland, OR	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps050515fm.docx Attachments: Action Item 17 Work Paper: https://www.naesb.org/member_login_check.asp?doc=weq_bps050515a1.docx Work Paper on XXX-2.1.6: https://www.naesb.org/pdf4/weq_bps050515a2.doc Work Papers: Action Item 17 Work Paper: https://www.naesb.org/member_login_check.asp?doc=weq_bps050515w1.docx BPS MOD Requirements Work Paper Revised 4/2/15: https://www.naesb.org/pdf4/weq_bps050515w2.xlsx Draft Recommendation Revised 4/1/15: https://www.naesb.org/pdf4/weq_bps050515w3.doc WEQ BPS Action Item List Revised 4/1/15: https://www.naesb.org/pdf4/weq_bps050515w4.xlsx Motions Document: https://www.naesb.org/pdf4/weq_bps050515w5.doc IDCWG Questions for BPS on WEQ-008: https://www.naesb.org/member_login_check.asp?doc=weq_bps050515w6.docx Action Item 16 Work Paper: https://www.naesb.org/pdf4/weq_bps050515w7.doc Work Paper from B. Hansen, BPA: https://www.naesb.org/pdf4/weq_bps050515w8.doc	28

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

Appendix B: Links to Meeting Notes, Comments, Work Papers, and Voting Records
 September 25, 2015

Appendix B –Links to Meeting Minutes, Comments, Work Papers and Voting Records			
Date of Meeting	Meeting Location / Request for Comments	Meeting Notes /Comments / Work Papers / Voting Records	Number of Participants
May 20, 2015	WEQ Business Practices Subcommittee Conference Call with Web Conferencing	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps052015fm.docx Attachments: Action Item 16 Work Paper Revised 5/20/15: https://www.naesb.org/pdf4/weq_bps052015a1.doc WEQ BPS Response to IDCWG Questions for BPS on WEQ-008 5/20/15: https://www.naesb.org/member_login_check.asp?doc=weq_bps052015a2.docx Work Papers: Action Item 16 Work Paper: https://www.naesb.org/pdf4/weq_bps052015w1.doc BPS MOD Requirements Work Paper Revised 4/2/15: https://www.naesb.org/pdf4/weq_bps052015w2.xlsx Draft Recommendation Revised 4/1/15: https://www.naesb.org/pdf4/weq_bps052015w3.doc IDCWG Questions for BPS on WEQ-008: https://www.naesb.org/member_login_check.asp?doc=weq_bps052015w4.docx Motions Document: https://www.naesb.org/pdf4/weq_bps052015w5.doc WEQ BPS Action Item List Revised 4/1/15: https://www.naesb.org/pdf4/weq_bps052015w6.xlsx Work Paper on XXX-2.1.6: https://www.naesb.org/pdf4/weq_bps052015w7.doc Work Paper from B. Hansen, BPA: https://www.naesb.org/pdf4/weq_bps052015w8.doc ETC Formulas Summary: https://www.naesb.org/pdf4/weq_bps052015w9.docx	24

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

Appendix B: Links to Meeting Notes, Comments, Work Papers, and Voting Records
 September 25, 2015

Appendix B –Links to Meeting Minutes, Comments, Work Papers and Voting Records			
Date of Meeting	Meeting Location / Request for Comments	Meeting Notes /Comments / Work Papers / Voting Records	Number of Participants
June 2-3, 2015	WEQ Business Practices Subcommittee Meeting with Web Conferencing, Valley Forge, PA	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps060215fm.docx Attachment: Draft MOD Recommendation Revised 6/3/15: https://www.naesb.org/member_login_check.asp?doc=weq_bps060215a1.doc Motions Document Revised 6/3/15: https://www.naesb.org/pdf4/weq_bps060215a2.doc WEQ BPS Action Item List Revised 6/3/15: https://www.naesb.org/pdf4/weq_bps060215a3.xlsx Revised Attachment D Revised 6/3/15: https://www.naesb.org/member_login_check.asp?doc=weq_bps060215a4.docx Work Papers: Action Item 16 Work Paper Revised 5/20/15: https://www.naesb.org/pdf4/weq_bps060215w1.doc WEQ BPS Action Item List Revised 5/20/15: https://www.naesb.org/pdf4/weq_bps060215w2.xlsx BPS MOD Requirements Work Paper Revised 4/2/15: https://www.naesb.org/pdf4/weq_bps060215w3.xlsx Draft Recommendation Revised 4/1/15: https://www.naesb.org/pdf4/weq_bps060215w4.doc Work Paper on XXX-2.1.6: https://www.naesb.org/pdf4/weq_bps060215w5.doc Duke Energy Comments - ATC Workshop: https://www.naesb.org/pdf4/weq_bps060215w6.pdf TDU Systems Comments - ATC Workshop: https://www.naesb.org/pdf4/weq_bps060215w7.pdf NYISO Comments - ATC Workshop: https://www.naesb.org/pdf4/weq_bps060215w8.pdf Transmission Access Policy Study Group Comments - ATC Workshop: https://www.naesb.org/pdf4/weq_bps060215w9.pdf Powerex Comments - ATC Workshop: https://www.naesb.org/pdf4/weq_bps060215w10.pdf	27

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

Appendix B: Links to Meeting Notes, Comments, Work Papers, and Voting Records
 September 25, 2015

Appendix B –Links to Meeting Minutes, Comments, Work Papers and Voting Records			
Date of Meeting	Meeting Location / Request for Comments	Meeting Notes /Comments / Work Papers / Voting Records	Number of Participants
		Draft Recommendation 6/3/15 Submitted by J. Wood, Southern Company: https://www.naesb.org/pdf4/weq_bps060215w11.doc Revised Attachment D Submitted by J. Wood, Southern Company: https://www.naesb.org/member_login_check.asp?doc=weq_bps060215w12.docx	
June 22, 2015	WEQ Business Practices Subcommittee Conference Call with Web Conferencing	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps062215fm.docx Attachments: MOD Standards Proposed Language Revised 6/22/15: https://www.naesb.org/pdf4/weq_bps062215a1.docx Motions Document Revised 6/22/15: https://www.naesb.org/pdf4/weq_bps062215a2.doc Work Papers: NAESB - MOD Standards - Proposed Language for Contract Path Issues R2 - 6/18/15: https://www.naesb.org/pdf4/weq_bps062215w1.docx MISO Comments on NAESB - MOD Standards - Proposed Language for Contract Path Issues R2 - 6/18/15: https://www.naesb.org/pdf4/weq_bps062215w2.docx Idaho Power Comments on NAESB - MOD Standards - Proposed Language for Contract Path Issues R2 - 6/18/15: https://www.naesb.org/pdf4/weq_bps062215w3.docx WAPA Comments on NAESB - MOD Standards - Proposed Language for Contract Path Issues R2 - 6/18/15: https://www.naesb.org/pdf4/weq_bps062215w4.docx	32

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

Appendix B: Links to Meeting Notes, Comments, Work Papers, and Voting Records
 September 25, 2015

Appendix B –Links to Meeting Minutes, Comments, Work Papers and Voting Records			
Date of Meeting	Meeting Location / Request for Comments	Meeting Notes /Comments / Work Papers / Voting Records	Number of Participants
June 25, 2015	WEQ Business Practices Subcommittee Conference Call with Web Conferencing	Meeting Minutes: https://www.naesb.org/pdf4/weq_bps062515fm.docx Attachments: WEQ BPS Action Item List Revised 6/25/15: https://www.naesb.org/pdf4/weq_bps062515a1.xlsx Draft MOD Recommendation Revised 6/25/15: https://www.naesb.org/member_login_check.asp?doc=weq_bps062515a2.doc WEQ BPS Motions Document Revised 6/25/15: https://www.naesb.org/pdf4/weq_bps062515a3.doc Work Papers: Draft MOD Recommendation - Updated Proposed Language: https://www.naesb.org/member_login_check.asp?doc=weq_bps062515w1.doc WEQ BPS Action Item List Revised 6/3/15: https://www.naesb.org/pdf4/weq_bps062515w2.xlsx Proposed Language for Contract Path Issues Revised 6/22/15: https://www.naesb.org/pdf4/weq_bps062515w3.docx WEQ BPS Motions Document Revised 6/22/15: https://www.naesb.org/pdf4/weq_bps062515w4.doc Proposed Language for Contract Path Issues Revised 6/25/15: https://www.naesb.org/pdf4/weq_bps062515w5.docx	33

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

Appendix B: Links to Meeting Notes, Comments, Work Papers, and Voting Records
 September 25, 2015

Appendix B –Links to Meeting Minutes, Comments, Work Papers and Voting Records			
Date of Meeting	Meeting Location / Request for Comments	Meeting Notes /Comments / Work Papers / Voting Records	Number of Participants
June 29, 2015	<p>NAESB WEQ Request for Formal Comments on 2015 WEQ Annual Plan Items 1.e/R14002 – Develop, modify, or delete business practice standards to support Request R14002 (NERC Project 2012-05 ATC Revisions (MOD A)) – Comments due July 28, 2015</p> <p>Recommendation (Clean): https://www.naesb.org/member_login_check.asp?doc=weq_2015_apile_r14002_rec_clean.doc</p> <p>Recommendation (Redline): https://www.naesb.org/member_login_check.asp?doc=weq_2015_apile_r14002_rec_redline.doc</p>	<p>Request for Comments: https://www.naesb.org/pdf4/weq_062915_reqcom.doc</p> <p>Comments Submitted by K. Anderson, Idaho Power: https://www.naesb.org/pdf4/weq_062915_idaho_power_1e_r14002.docx</p> <p>Comments Submitted by R. Kelley, Bonneville Power Administration: https://www.naesb.org/pdf4/weq_062915_bpa_1e_r14002.docx</p> <p>Comments Submitted by JT Wood, Southern Company: https://www.naesb.org/member_login_check.asp?doc=weq_062915_soco_1e_r14002.doc</p> <p>Comments Submitted by R. Brown, PJM: https://www.naesb.org/pdf4/weq_062915_pjm_1e_r14002.docx</p> <p>Comments Submitted by J. Manning, NCEMC: https://www.naesb.org/member_login_check.asp?doc=weq_062915_ncemc_1e_r14002.docx</p> <p>Comments Submitted by E. Skiba on behalf of ERCOT, IESO, MISO and PJM: https://www.naesb.org/pdf4/weq_062915_ercot_ieso_miso_pjm_1e_r14002.docx</p> <p>Comments Submitted by J. Phillips, SPP: https://www.naesb.org/pdf4/weq_062915_spp_1e_r14002.docx</p> <p>Late Comments Submitted by the WEQ BPS: https://www.naesb.org/member_login_check.asp?doc=weq_062915_weq_bps_1e_r14002_late.doc</p>	N/A

Appendix C: List of Executive Committee Minutes and Available Transcripts
 September 25, 2015

Appendix C – List of Executive Committee Minutes and Available Transcripts		
Date	Link to Executive Committee Minutes	Availability of Transcripts ¹
February 24, 2015	NAESB Executive Committee Meetings, Phoenix, AZ WEQ EC Minutes (<i>Update WEQ Business Practices Subcommittee</i>): https://www.naesb.org/pdf4/weq_ec022415fm.docx	Jill Vaughn, CSR - 281-853-6807
April 28, 2015	NAESB Executive Committee Meetings, Carmel, IN WEQ EC Minutes (<i>Update WEQ Business Practices Subcommittee</i>): https://www.naesb.org/pdf4/weq_ec042815fm.docx	Jill Vaughn, CSR - 281-853-6807
August 18, 2015	NAESB Executive Committee Meetings, Dallas, TX WEQ EC Minutes: https://www.naesb.org/pdf4/weq_ec081815dm.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.

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

Appendix D: Links to WEQ Member Ratification Ballot and Ratification Results
 September 25, 2015

Appendix D – Links to WEQ Member Ratification Ballot and Ratification Results			
Date of Ballot	Link to Ballot	Link to Ratification Results	Recommendations Ratified that Resulted Standard modifications
08-20-15	https://www.naesb.org/member_login_check.asp?doc=weq_rat082015ballot.doc	https://www.naesb.org/pdf4/rat_weq091815tally.xls WEQ 2015 Annual Plan Item 1.e / R14002 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_weq_2015_api1e_r14002.doc	<p>Recommendation (Redline) WEQ 2015 Annual Plan Item 1.e / R14002 - Develop, modify, or delete business practice standards to support request R14002 (NERC Project 2012-05 ATC Revisions (MOD A)) approved by the WEQ Executive Committee on August 18, 2015: https://www.naesb.org/member_login_check.asp?doc=weq_rat082015_weq_2015_api1e_r14002_rec_redline.doc</p> <p>Recommendation (Clean) WEQ 2015 Annual Plan Item 1.e / R14002 - Develop, modify, or delete business practice standards to support request R14002 (NERC Project 2012-05 ATC Revisions (MOD A)) approved by the WEQ Executive Committee on August 18, 2015: https://www.naesb.org/member_login_check.asp?doc=weq_rat082015_weq_2015_api1e_r14002_rec_clean.doc</p>

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.

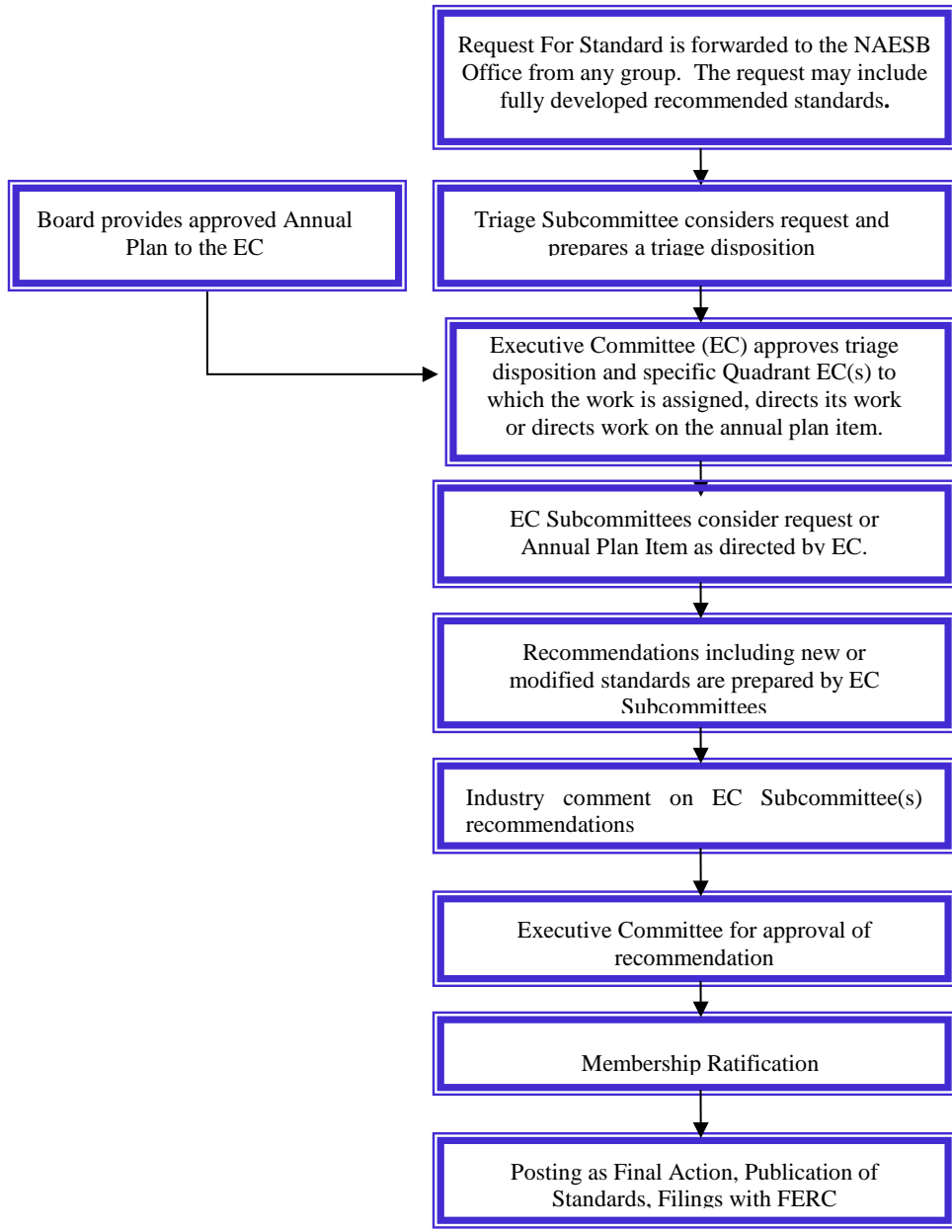
Once the triage process is completed, the subcommittees—more than one are normally involved in standards recommendations—review the request, compare it to existing standards, and prepare recommendations that may take the form of new or modified standards or interpretations. Participation in EC subcommittees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

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.

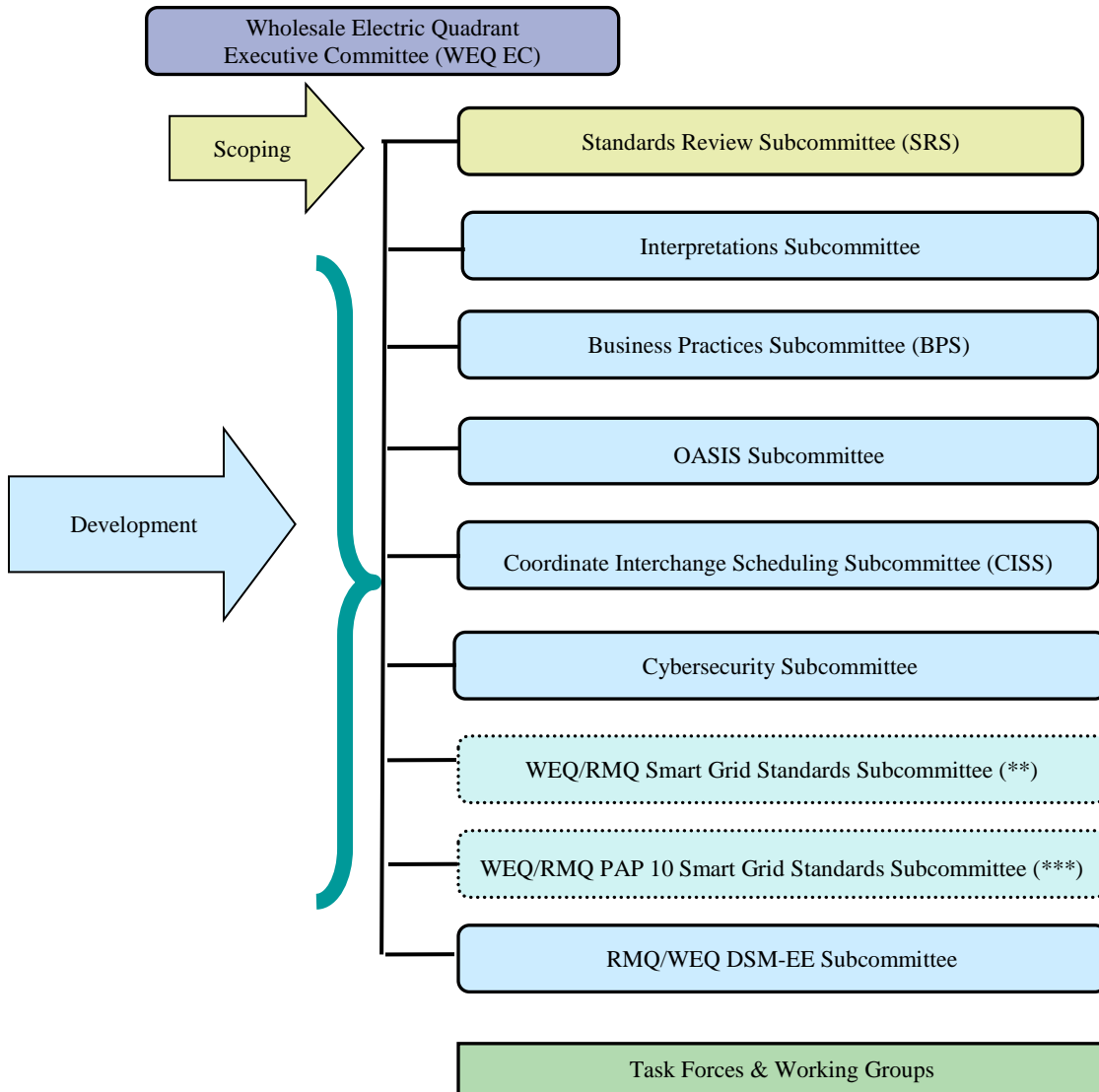
182. Some commenters request that the Commission standardize protocols for reporting meteorological or forced outage data required by this Final Rule. The Proposed Rule did not contain standard protocols for data reporting and, as a result, the merits of such a requirement have not been fully addressed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

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 September 3, 2015

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: Full Staffing	TBD	BPS
b) Perform consistency review of WEQ-008 Transmission Loading Relief Business Practice Standards and develop recommendation. ² Status: Full Staffing	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: Full Staffing	TBD	BPS
e) Develop, modify or delete business practice standards to support request R14002 (NERC Project 2012-05 ATC Revisions (MOD A)). ³ Status: Completed	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: Monitor	TBD	BPS/TIMTF
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 September 3, 2015

	Item Description	Completionⁱ	Assignmentⁱⁱ
i)	Group 4: Preemption; Request No. R05019 (Part of Preemption and Competition)		
	1) Short-Term Firm Preemption and Competition		
	Status: Started	2016	OASIS
	2) Long-Term Firm Rollover Rights Competition (OATT Section 2.2)		
	Status: Started	2015	OASIS
ii)	Group 6: Miscellaneous (Paragraph 1627 ⁵ of FERC Order No. 890)		
	3) Paragraphs 1627 of Order 890 – Posting of additional information on OASIS regarding firm transmission curtailments	TBD	OASIS/BPS
	Status: Not Started		
	4) Redispatch Cost Posting to allow for posting of third party offers of planning redispatch services.	TBD	OASIS/BPS
	Status: Not Started		

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 | 2 nd Q, 2015 | OASIS |
| | Status: Completed | | |
| 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. | 2 nd Q, 2015 | OASIS |
| | Status: Completed | | |

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 September 3, 2015

	Item Description	Completionⁱ	Assignmentⁱⁱ
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/BPS
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: 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: 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. Status: Started	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: Completed	2 nd Q, 2015	OASIS
b)	Correct WEQ 013-2.6.7.2. – Resale off OASIS (R08027) Status: Completed	2 nd Q, 2015	OASIS
c)	Add language to WEQ-001-4 Online Negotiation and Confirmation process to clarify Table 4-3 (R09003) Status: Started	2016	OASIS
d)	Create a new OASIS mechanism that allows for the merger of like reservations without the use of the resale mechanism (R09015) Status: Started	2016	OASIS

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 September 3, 2015

Item Description	Completion ⁱ	Assignment ⁱⁱ
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/BPS
f) Review and modify as necessary 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 Status: Started	2015	CISS
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: Completed	2 nd Q, 2015	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: Completed	1 st Q, 2015	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: Completed	1 st Q, 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: Completed	1 st Q, 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). Status: Completed	1 st Q, 2015	OASIS
8. Develop and/or modify standards to support FERC Order Instituting Proceeding to Develop Electronic Filing Protocols for Commission Forms (Docket No. AD15-11-000)⁹		
a) Develop business practices as needed to support electronic filing protocols for submittal of FERC Forms Status: Not Started	TBD	Joint WEQ/WGQ FERC Forms Subcommittee

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.

⁹ The FERC Order Instituting Proceeding to Develop Electronic Filing Protocols for Commission Forms, issued on April 16, 2015, can be found through the following hyperlink: https://www.naesb.org/pdf4/ferc041615_electronic_filing_protocols_forms.pdf

NORTH AMERICAN ENERGY STANDARDS BOARD
2015 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT
Adopted by the Board of Directors on September 3, 2015

Item Description	Completion ⁱ	Assignment ⁱⁱ
9. Gas-Electric Coordination		
a) Review FERC Order No. 809 ¶ 107 issued in Docket No. RM14-2-000 ¹⁰ regarding computerized scheduling and provide recommended direction concerning the development of standards or modifications to existing standards as needed to support the request of the Commission ¹¹ The recommended direction will require board approval, for both the timeline to be pursued and the framework for standards development Status: Not Started, and <i>planning not to be started before 2016</i>	TBD	Gas-Electric Harmonization Forum, NAESB Board of Directors, WEQ EC & WGQ EC
b) Resulting from the efforts of annual plan item 9(a), develop standards as needed and directed by the Board of Directors, which are specifically assigned to the WEQ Status: Not Started, dependent on completion of item 9(a).	TBD	WEQ EC and relevant subcommittees

¹⁰FERC Order No. 809 can be found through the following hyperlink: <https://www.ferc.gov/whats-new/comm-meet/2015/041615/M-1.pdf>

¹¹FERC Order No. 809 ¶107. While NAESB's modified standards represent an improvement over the currently effective standards, we continue to recognize that additional intraday nomination opportunities could promote more efficient use of existing pipeline infrastructure and provide additional operational flexibility to all pipeline shippers, including gas-fired generators. The modified NAESB standards reflect reduced intraday processing times from the current NAESB standards (i.e., three hours instead of the current four hours), and existing operational limitations, including the manual processes utilized by pipelines for processing nominations, may affect the ability of the gas industry to add additional standard nomination cycles applicable to all shippers. However, the use of computerized scheduling would appear to provide an opportunity for faster and more frequent scheduling of intraday nominations for those shippers and their confirming parties willing to commit to scheduling electronically. We request that gas and electric industries, through NAESB, explore the potential for faster, computerized scheduling when shippers and confirming parties all submit electronic nominations and confirmations, including a streamlined confirmation process if necessary. Providing such an option would enable those entities that need greater scheduling flexibility to have their requests processed expeditiously.

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 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.

 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](#)¹⁴)
 - f) Develop and/or modify Demand Response Standards as needed in conformance with final D.C. Circuit ruling on FERC Order No. 745
-

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.

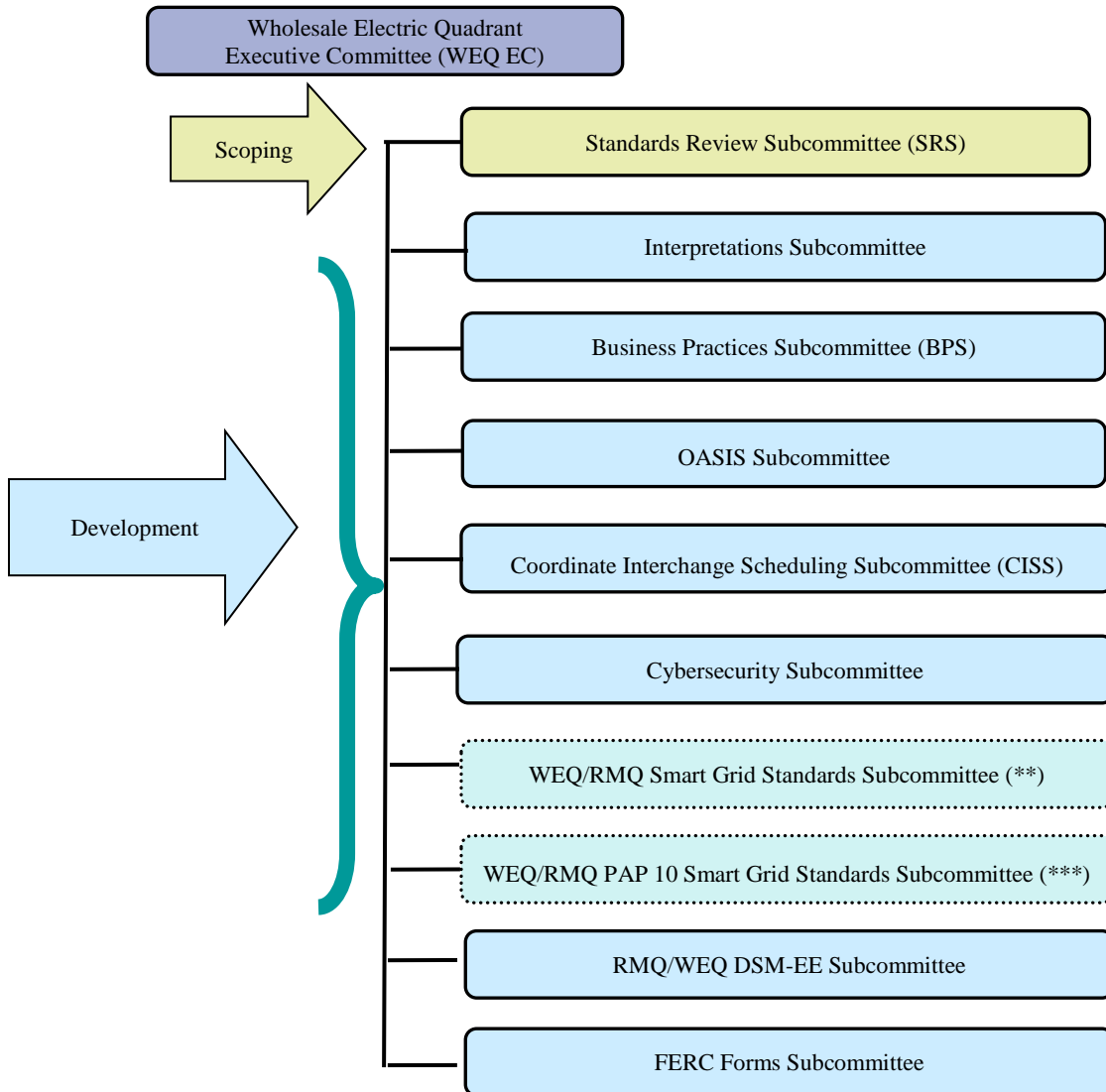
¹³ For additional information, please see comments submitted by PJM and Midwest ISO for this Annual Plan Item: http://www.naesb.org/pdf3/weq_aplan102907w1.pdf.

¹⁴ 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



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:

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.