| **NORTH AMERICAN ENERGY STANDARDS BOARD****2016 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT Adopted by the Board of Directors on December 8, 2016** |
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|  | **Item Description** | **Completion[[1]](#endnote-1)** | **Assignment[[2]](#endnote-2)** |
| **1.** | **Develop business practices standards as needed to complement reliability standards** |
|  | Develop business practice standards to support and complement NERC reliability standards, NERC policies and NERC standards authorization requests (SARs) using the NERC/NAESB Coordination Joint Standards Development Process as appropriate. Current NAESB activities underway to develop business practice standards that are supportive of this annual plan item are:  |
|  | a) | Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection – Permanent SolutionNote: 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.[[3]](#footnote-1)Status: Full Staffing | TBD | BPS |
|  | c) | 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](http://www.naesb.org/pdf4/r11020.doc))Status: Full Staffing | TBD | BPS |
|  | d) | Develop, modify or delete business practices standards to support NERC activities related to NERC Time Error Correction (BAL-004-0)Status: Complete | 4th Q, 2016 | BPS |
|  | e) | Assess impact to NAESB Business Practices with FERC approval of removing the PSE (Order RR15-4-000) and LSE (Order RR15-4-001) from the NERC Compliance RegistryStatus: Not Started | TBD | BPS/CISS |
|  |  | i) | Modifications to WEQ-004 Coordinate Interchange Business Practice Standards for Dynamic Tags and Pseudo-Tie type e-Tags [R16008](https://www.naesb.org/pdf4/r16008.doc) |
|  |  |  | Status: Started | TBD | CISS/BPS |
|  | f) | Develop, modify or delete business practices standards to support NERC activities related to NERC Inadvertent Interchange BAL-006Status: Complete | 2nd Q 2016 | BPS |
| **2.** | **Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)[[4]](#footnote-2)** |
|  | a) | Develop version 3 business practice standards to better coordinate the use of the transmission system among neighboring transmission providers.Status: UnderwayRequest R05004 was expanded to include the [Order No. 890 (Docket Nos.RM05-17-000 and RM02-25-000)](http://www.naesb.org/doc_view4.asp?doc=ferc041107.pdf), ([Order No. 890-A (Docket Nos. RM05-17-001, 002 and RM05-25-001, 002](http://www.naesb.org/doc_view2.asp?doc=ferc122807.pdf)), and [Order No. 890-B (Docket Nos. RM05-17-03 and RM05-25-03)](http://www.naesb.org/pdf3/ferc062308_order890b.doc) “Preventing Undue Discrimination and Preference in Transmission Services”  |
|  |  | i) | Group 4: Preemption; Request No. [R05019](http://www.naesb.org/pdf2/r05019.doc) (Part of Preemption and Competition) |
|  |  |  | 1. Short-Term Firm Preemption and Competition (OATT Section 13.2 and 14.2)
 |
|  |  |  | Status: Started | 2nd Q, 2017 | OASIS |
|  |  |  | 1. Long-Term Rollover Rights Competition (OATT Section 2.2)

Status: Complete | 2nd Q, 2016 | OASIS |
|  |  |  | 1. Long-Term Rollover Rights Competition Appeal (R16011)

Status: Complete | 4th Q, 2016 | OASIS |
|  |  | ii) | Group 6: Miscellaneous (Paragraph 1627[[5]](#footnote-3) of FERC Order No. 890) |
|  |  |  | 1. Paragraphs 1627 of Order 890 – Posting of additional information on OASIS regarding firm transmission curtailments

Status: Started | TBD  | OASIS/BPS |
|  |  |  | 1. Redispatch Cost Posting to allow for posting of third party offers of planning redispatch services.

Status: Started | 2017 | OASIS/BPS |
| **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) | Make remaining incremental enhancements to OASIS as an outgrowth of the NAESB March 29, 2005 conference on the future of OASIS ([R05026](http://www.naesb.org/pdf2/r05026.doc)).Scoping [statement](http://www.naesb.org/pdf2/weq_srs112006a1.doc) completed by SRS. There were a number of assignments from the Standards Request. The outstanding item is Enhance the TSR result postings to allow showing of available generation dispatch options that would allow acceptance of reservation request.Status: Started | 3rd Q, 2017 | OASIS/BPS |
|  | b) | Enhance the TSR Results posting to allow a showing of limiting transmission elements for denied transmission service requests. This shall include information for denied Coordinated Requests. [R05026](http://www.naesb.org/pdf2/r05026.doc) scoping [statement](http://www.naesb.org/pdf2/weq_srs112006a1.doc) completed by SRS and [R12006](https://naesb.org/pdf4/r12006.doc).Status: Started | 2017 | OASIS/BPS |
|  | c) | Requirements for OASIS to use data in the Electric Industry Registry ([R12001](http://www.naesb.org/pdf4/r12001.doc))Status: Not Started | TBD | OASIS |
| **4.** | **Develop and/or maintain standard communication protocols and - cybersecurity business practices as needed.** |
|  | a) | Review annually at a minimum, WEQ-012 and the accreditation requirements for Authorized Certification Authorities to determine if any changes are needed to meet market conditions.[[6]](#footnote-4)Status: Complete | 3rd Q 2016 | Cybersecurity Subcommittee |
|  | b) | Evaluate and modify standards as needed to support and/or complement the current version of the NERC Critical Infrastructure Protection Standards[[7]](#footnote-5) and any other activities of the FERC related to cybersecurity.Status: Complete | 3rd Q 2016 | Cybersecurity Subcommittee |
| **5** | **Maintain existing body of Version 3.x standards** |
|  | a) | Add language to WEQ-001-4 Online Negotiation and Confirmation process to clarify Table 4-3 ([R09003](http://www.naesb.org/../pdf4/r09003.doc))Status: Started | 2nd Q, 2017 | OASIS |
|  | b) | Create a new OASIS mechanism that allows for the merger of like reservations without the use of the resale mechanism ([R09015](http://www.naesb.org/pdf4/r09015.doc))Status: Complete | 3rd Q 2016 | OASIS |
|  | c) | Review WEQ-022 and remove references to NERC (ERO) to reflect full transition of EIR.Status: Complete | 4th Q, 2016 | CISS |
|  | d) | 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 RegistryStatus: Complete | 2nd Q 2016 | CISS |
| **6.** | **Develop and/or modify standards to support FERC Order Instituting Proceeding to Develop Electronic Filing Protocols for Commission Forms (Docket No. AD15-11-000)[[8]](#footnote-6)** |
|  | a) | Develop business practices as needed to support electronic filing protocols for submittal of FERC FormsStatus: Started | 2017 | Joint WEQ/WGQ FERC Forms Subcommittee |
| **7.** | **Gas-Electric Coordination** |
|  | a) | Review FERC Order No. 809 ¶ 107 issued in Docket No. RM14-2-000[[9]](#footnote-7) 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[[10]](#footnote-8) The recommended direction[[11]](#footnote-9) will require board approval, for both the timeline to be pursued and the framework for standards development.[[12]](#footnote-10)Status: Complete | 2016 | Gas-Electric Harmonization Forum, NAESB Board of Directors, WEQ EC & WGQ EC |
|  | b) | Resulting from the efforts of annual plan item 7(a), develop standards as needed and directed by the Board of Directors, which are specifically assigned to the WEQ  |  |  |
|  |  | i. | GEH Forum Issue 22[[13]](#footnote-11): “*It would be desirable to have a set of terminology agreed upon by participants to characterize shapes, profiles, ratable, non-ratable, and so forth to facilitate discussion”* |  |  |
|  |  |  | 1. | Consider and determine if WEQ standards are needed, and develop a recommendation and report to the Board of DirectorsStatus: Not Started. Start date is dependent upon actions taken by WGQ | 2nd Q, 2017 | WEQ EC and related subcommittees |
|  |  |  | 2. | Develop WEQ standards according to the recommendation of item 7b(i)1.Status: Not Started. Start date is dependent upon actions taken by WGQ | 2nd Q, 2017 | WEQ EC and related subcommittees |
|  |  | ii. | GEH Forum Issue 25[[14]](#footnote-12): *Communication protocols with LDCs, gas generator operators and natural gas marketing companies* |  |  |
|  |  |  | 1. | Consider and determine if WEQ standards are needed, and develop a recommendation and report to the Board of DirectorsStatus: Not started. Start date is dependent upon actions taken by WGQ | 2nd Q, 2017 | WEQ EC and related subcommittees |
|  |  |  | 2. | Develop WEQ standards according to the recommendation of item 7b(ii)1.Status: Not started. Start date is dependent upon actions taken by WGQ | 2nd Q, 2017 | WEQ EC and related subcommittees |
|  |  | iii. | GEH Forum Issue 26[[15]](#footnote-13): “*Improve efficiency of critical information sharing (related to issues 22 and 25)* |  |  |
|  |  |  | 1. | Consider and determine if WEQ standards are needed, and develop a recommendation and report to the Board of DirectorsStatus: Not started. Start date is dependent upon actions taken by WGQ | 2nd Q, 2017 | WEQ EC and related subcommittees |
|  |  |  | 2. | Develop WEQ standards according to the recommendation of item 7b(iii)1.Status: Not started. Start date is dependent upon actions taken by WGQ | 2nd Q, 2017 | WEQ EC and related subcommittees |
|  |  | iv. | GEH Forum Issue 33[[16]](#footnote-14): “*Use of multiple confirmation methods in addition to traditional confirmations for intraday nominations. There is currently a good definition of Confirmation by Exception (CBE) in NAESB standards. CBE however, may not be available everywhere but there may also be additional confirmation methods that could benefit from standardization”* |  |  |
|  |  |  | 1. | Consider and determine if WEQ standards are needed, and develop a recommendation and report to the Board of DirectorsStatus: Not Started. Start date is dependent upon actions taken by WGQ | 2nd Q, 2017 | WEQ EC and related subcommittees |
|  |  |  | 2. | Develop WEQ standards according to the recommendation of item 7b(iv)1.Status: Not started. Start date is dependent upon actions taken by WGQ | 2nd Q, 2017 | WEQ EC and related subcommittees |
|  |  | v. | GEH Forum Issue 36[[17]](#footnote-15): “*Level of confirmations: there is a wide range of data elements that are exchanged, from a minimum amount to a very large set of data. In the "Art of Scheduling," pipelines confirm at different levels, with potential for disparities. Greater standardization could produce confirming efficiencies. (For example, confirm at the shipper-to-shipper level. Or, if there are confirmations at a lower level of detail, it would be driven by model type.) See issue 17[[18]](#footnote-16) in the first presentation.”* |  |  |
|  |  |  | 1. | Consider and determine if WEQ standards are needed, and develop a recommendation and report to the Board of DirectorsStatus: Not started. Start date is dependent upon actions taken by WGQ | 2nd Q, 2017 | WEQ EC and related subcommittees |
|  |  |  | 2. | Develop WEQ standards according to the recommendation of item 7b(v)1.Status: Not started. Start date is dependent upon actions taken by WGQ | 2nd Q, 2017 | WEQ EC and related subcommittees |
| **8.** |  | **Demand Response** |
|  | a) | Develop and/or modify Demand Response Standards as needed in response to the Supreme Court decisions regarding the final D.C. Circuit ruling on FERC Order No. 745Status: Complete | 1st Q, 2016 | DSM-EE Subcommittee |

| **NORTH AMERICAN ENERGY STANDARDS BOARD2016 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT Adopted by the Board of Directors on September 1, 2016** |
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| **PROVISIONAL ITEMS** |
| 1. |  | **Optional Work to Extend Existing Standards** |
|  | a) | Prepare recommendations for future path for TLR[[19]](#footnote-17) (Phase 2) in concert with NERC, which may include alternative congestion management procedures[[20]](#footnote-18). Work on this activity is dependent on completing 2016 WEQ Annual Plan 1.a (Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection - Phase 1). |
|  | b) | Re-examine the need for business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers, GLN, and LEI. |
| 2. |  | **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) | Should the FERC determine to act in response to NAESB’s report of the Version 003.1 Business Practice Standards, and should the FERC recommend specific action, develop and/or revise Business Practice Standards as needed. |
|  | d) | Revise WEQ-023 based on FERC Orders associated to Docket Nos. RM14-7-000 and AD15-5-000. |
|  | e) | Develop and/or modify standards as need in support of the October 18, 2016 correspondence[[21]](#footnote-19) from Chairman Bay not otherwise addressed by 2016 WEQ Annual Plan Items 7.b. |

**Wholesale Electric Quadrant Executive committee and Subcommittee Structure**

Wholesale Electric Quadrant

Executive Committee (WEQ EC)

Standards Review Subcommittee (SRS)

Interpretations Subcommittee

OASIS Subcommittee

Coordinate Interchange Scheduling Subcommittee (CISS)

Scoping

Development

Cybersecurity Subcommittee

RMQ/WEQ DSM-EE Subcommittee

Business Practices Subcommittee (BPS)

WEQ/RMQ Smart Grid Standards Subcommittee (\*\*)

WEQ/RMQ PAP 10 Smart Grid Standards Subcommittee (\*\*\*)

FERC Forms Subcommittee

**NAESB WEQ EC and Active Subcommittee Leadership**:

Executive Committee (EC): Kathy York (Chair) and Roy True (Vice Chair)

Standards Review Subcommittee (SRS): Rebecca Berdahl, Ron Robinson

Interpretations Subcommittee: Ed Skiba

Business Practices Subcommittee (BPS): Jason Davis, Ross Kovacs, Narinder Saini

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

Coordinate Interchange Scheduling Subcommittee (CISS): Joshua Phillips, Zack Buus

Cybersecurity Subcommittee: Jim Buccigross

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

FERC Forms Subcommittee (WEQ/WGQ): Leigh Spangler (WGQ), Dick Brooks (WEQ)

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.

1. **End Notes WEQ 2016 Annual Plan:**

 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. [↑](#endnote-ref-1)
2. The assignments are abbreviated. The abbreviations and sub-committee structure can be found at the end of the annual plan document. [↑](#endnote-ref-2)
3. 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. [↑](#footnote-ref-1)
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>. [↑](#footnote-ref-2)
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. [↑](#footnote-ref-3)
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>. [↑](#footnote-ref-4)
7. <http://www.nerc.com/pa/Stand/Pages/CIPStandards.aspx> [↑](#footnote-ref-5)
8. 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> [↑](#footnote-ref-6)
9. FERC Order No. 809 can be found through the following hyperlink: <https://www.ferc.gov/whats-new/comm-meet/2015/041615/M-1.pdf> [↑](#footnote-ref-7)
10. FERC 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. [↑](#footnote-ref-8)
11. The steps for the GEH forum shall be:

	1. Provide a forum for industry education from both the natural gas and electric industries regarding gas-electric coordination specific to computerized scheduling, and confirmations including a streamlined confirmation process, if necessary ([FERC Order No. 809 Order on Rehearing, Docket No. RM14-2-001](https://www.naesb.org/pdf4/ferc091715_order809_order_on_rehearing.docx))
	2. Identify potential issues specific to computerized scheduling, and confirmations including a streamlined confirmation process, if necessary which could be based on the education provided in step 1
	3. Identify potential solutions to the issues identified in step 2
	4. Identify potential schedules for standards development including status and progress reports to the board [↑](#footnote-ref-9)
12. FERC Order on Rehearing ¶1 – September 17, 2015 [Docket No. RM14-2-001] In Order No. 809, the Commission revised its regulations relating to the scheduling of transportation service on interstate natural gas pipelines to better coordinate the scheduling practices of the wholesale natural gas and electric industries, as well as to provide additional scheduling flexibility to all shippers on interstate natural gas pipelines. The Commission also requested that natural gas and electric industries, through the North American Energy Standards Board (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. On May 18, 2015, the Desert Southwest Pipeline Stakeholders (DSPS) filed a request for rehearing of Order No. 809. On August 4, 2015, NAESB filed a report indicating that due to the press of implementing the revised nomination standards by April 1, 2016, it would not begin the development of computerized scheduling standards until after that date. As discussed below, the Commission denies DSPS’ request for rehearing and directs El Paso Natural Gas Company, L.L.C. (El Paso), Transwestern Pipeline Company, LLC (Transwestern), and TransCanada-North Baja Pipelines (TransCanada-North Baja) to make an informational filing within 90 days of the date of this order. In addition, while we recognize the time commitments in implementing the revised nomination timeline, the Commission requests that the natural gas and electric industries, through NAESB, begin considering the development of standards related to faster, computerized scheduling and file such standards or a report on the development of such standards with the Commission by October 17, 2016. [↑](#footnote-ref-10)
13. The GEH Forum Issues may be found in the GEH Survey Addendum: <https://www.naesb.org/pdf4/geh_report_addendum_041816_clean051316.docx> [↑](#footnote-ref-11)
14. *Id.* [↑](#footnote-ref-12)
15. *Id.* [↑](#footnote-ref-13)
16. *Id.* [↑](#footnote-ref-14)
17. *Id.* [↑](#footnote-ref-15)
18. GEH Forum Issue 17 “Levels of Confirmation” can be found in the GEH Survey Addendum: <https://www.naesb.org/pdf4/geh_report_addendum_041816_clean051316.docx> [↑](#footnote-ref-16)
19. 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. [↑](#footnote-ref-17)
20. 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>. [↑](#footnote-ref-18)
21. The October 18, 2016 letter from Chairman Bay can be found at the following link: <https://naesb.org/pdf4/101816_ferc_chairman_bay_letter_re_order809_naesb.pdf> [↑](#footnote-ref-19)