| **NORTH AMERICAN ENERGY STANDARDS BOARD****2019 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT Adopted by the Board of Directors on December 11, 2019 with modifications proposed by the NAESB Leadership Committee on December 10, 2019**  |
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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 Eastern Interconnection Data Sharing Network (EIDSN).Status: Completed | 2019 | BPS |
|  | b) | 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: Completed | 2019 | BPS |
| **2.** | **Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)[[3]](#footnote-1)** |
|  | Develop business practice standards to better coordinate the use of the transmission system among neighboring transmission providers.  |
|  | a) | Paragraphs 1627[[4]](#footnote-2) of Order 890 – Posting of additional information on OASIS regarding firm transmission curtailmentsStatus: Started | 2020 | 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) | Requirements for OASIS to use data in the Electric Industry Registry ([R12001](http://www.naesb.org/pdf4/r12001.doc))Status: Completed | 3rd Q, 2019 | OASIS |
|  | b) | Evaluate adding dynamic notification for the rollover rights renewal deadline and develop new standards/modifications as neededStatus: Completed | 4th Q, 2018 | OASIS |
|  | c) | Review the NAESB Network Integration Transmission Service (NITS) Business and Technical Standards for needed modifications based on implementation and operational experiences since their adoption. Areas of investigation should include, but are not limited to:* Corrections and clarifications of existing standards
* Evaluate adding a customer response time limit once a NITS request has been set to the status of DEFICIENT and develop new standards/modifications as needed
* Evaluate all ModifyNITS Templates to determine additional fields that may be modified and develop new standards/modifications as needed
* Evaluate adding CUSTOMER\_NAME in the DNR List and develop new standards/modifications as needed
* Evaluate adding the ability to annul a generator record and develop new standards/modifications as needed
* Modifications for support of fractional megawatt quantities as applicable, e.g. generator capacity
* Potential extensions to requesting and modifying scheduling rights
	+ Flexibility in use of service points
	+ On designating network resources
	+ On terminating network resources
	+ On addition of load
	+ Requests independent of resource designations
* New standards to be developed to address specific areas of concern within the industry

Status: Completed | 2019 | OASIS |
|  | d) | Evaluate the need for new OASIS Business Practice Standards and/or mechanisms to allow documentation for coordination of partial path reservations to demonstrate the complete path associated with long-term firm interchange. This information, when populated, would provide a tool to improve coordination of interchange by transmission planners when developing planning models. This will provide greater certainty that partial path reservations are properly accounted for in transmission planning models and that reliable service is provided.Status: Completed | 2nd Q, 2019 | OASIS |
|  | e) | Development of industry Business Practice Standards to define the eligibility and treatment of Rollover Rights for Network Integration Transmission Service (NITS). Also develop template structures and other standards that support these Business Practice Standards as necessary. (R18004)Status: Started | 2020 | OASIS |
|  | f) | Request to review and modify WEQ-002-4.2.10.3 Dynamic Notification to provide the following enhancements to be done in conjunction with Business Practice Standards that are being developed for 2018 WEQ API 3.c.: 1. Remove WEQ-002-4.2.10.3.1 HTTP Notification and 2. Modify the standard as necessary to establish a generic structure for e-mail notifications that may be used for status notifications as well as notification for specific events such as notification to customers of the renewal deadline for rollover ([R18009](https://www.naesb.org/pdf4/r18009.doc))Status: Completed | 4th Q, 2018 | OASIS |
|  | g) | Request for modifications to the current Next Hour Market Service (NHM) business practice in WEQ-001-7 ([R18010](https://www.naesb.org/pdf4/r18010.doc))Status: Completed | 1st Q, 2019 | OASIS |
|  | h) | Request regarding the Implementation of WEQ-004 Appendix D – Commercial Timing Tables for WECC ([R18011](https://www.naesb.org/member_login_check.asp?doc=r18011.doc))Status: Completed | 3rd Q, 2019 | CISS |
| **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.[[5]](#footnote-3)Status: Completed | 4th Q, 2019 | Cybersecurity Subcommittee |
|  | b) | Evaluate and modify standards as needed to support and/or complement the current version of the NERC Critical Infrastructure Protection Standards[[6]](#footnote-4) and any other activities of NERC and the FERC related to cybersecurity.Status: Completed | 4th Q, 2019 | Cybersecurity Subcommittee |
| **5.** | **Develop and/or modify standards to support FERC Order Instituting Proceeding to Develop Electronic Filing Protocols for Commission Forms (Docket No. AD15-11-000)[[7]](#footnote-5)** |
|  | a) | Develop business practices as needed to support electronic filing protocols for submittal of FERC FormsStatus: Started | 2020 | Joint WEQ/WGQ FERC Forms Subcommittee |
| **6.** | **Develop and/or modify the NAESB Business Practice Standards if needed to address any recommendations resulting from the surety assessment performed by Sandia National Laboratories** |
|  | a) | Review the surety assessment performed by Sandia National Laboratories and determine if standard changes are necessary.Status: Completed | 4th Q, 2019 | Cybersecurity Subcommittee / OASIS Subcommittee |
|  | b) | Develop and/or modify the NAESB Business Practice Standards as needed to address the Security Issues identified by Sandia National Laboratories  |
|  |  | i) | Develop and/or modify WEQ-012 and/or the NAESB Accreditation Requirements for Authorized Certification Authorities as needed to address Security Issues identified by Sandia National LaboratoriesStatus: Completed | 4th Q, 2019 | Cybersecurity Subcommittee |
|  |  | ii) | Develop and/or modify WEQ-001, WEQ-002, WEQ-003 and/or WEQ-013 as needed to address Security Issues identified by Sandia National LaboratoriesStatus: Completed | 4th Q, 2019 | Joint Cybersecurity Subcommittee and OASIS Subcommittee |
|  | c) | Develop and/or modify the NAESB Business Practice Standards as needed to address the Additional Findings and Considerations identified by Sandia National Laboratories |
|  |  | i) | Develop and/or modify WEQ-012, the NAESB Accreditation Requirements for Authorized Certification Authorities and/or other standards as needed to address Additional Findings and Considerations identified by Sandia National LaboratoriesStatus: Started | 2020 | Cybersecurity Subcommittee |
|  |  | ii) | Develop and/or modify WEQ-001, WEQ-002, WEQ-003, and/or WEQ-013 as needed to address Additional Findings and Considerations identified by Sandia National LaboratoriesStatus: Completed | 4th Q, 2019 | Joint Cybersecurity Subcommittee and OASIS Subcommittee |
| **7.** | **Distributed Ledger Technology** |
|  | a) | Distributed Ledger Technology for Power Trade Events |
|  |  | i. | Review power trade events to streamline the power accounting close cycle to determine if WEQ Business Practice Standards should be developed utilizing Distributed Ledger Technology (DLT).Status: Not Started | 2020 | WEQ Executive Committee |
|  |  | ii. | Develop Distributed Ledger Technology (DLT) WEQ Business Practice Standards and/or protocols for power trade events to streamline the power accounting close cycle, if needed based upon review.Status: Not Started | 2020 | WEQ Executive Committee |
|  | b) | Distributed Ledger Technology for the Renewable Energy Certificate (REC) Process |
|  |  | i. | Review current Renewable Energy Certificate (REC) processes for financial and/or sustainability accounting/reporting to determine if Business Practice Standards and/or protocols are needed.Status: Completed | 2019 | Joint RMQ/WEQ Executive Committees |
|  |  | ii. | Develop a standard contract to improve and automate the current Voluntary Renewable Energy Certificate (REC) creation, accounting, and retirement processesStatus: Started | 2020 | Joint RMQ/WEQ BPS |
| **PROVISIONAL ITEMS** |
| **1.** |  | **Optional Work to Extend Existing Standards** |
|  | a) | Prepare recommendations for future path for TLR[[8]](#footnote-6) in concert with NERC, which may include alternative congestion management procedures.[[9]](#footnote-7) Work on this activity is dependent on completing 2019 WEQ Annual Plan 1.a (Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection). |
|  | 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 smart grid technology, including but not limited to FERC Action Plan(s). |
|  | 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 or Version 003.2 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 |

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

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

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)

FERC Forms Subcommittee

Executive Committee (EC): Vacant (Chair) and Joshua Phillips (Vice Chair)

Standards Review Subcommittee (SRS): Ron Robinson

Business Practices Subcommittee (BPS): Dick Brooks and Jason Davis

Open Access Same Time Information System (OASIS) Subcommittee: Rob Arbitelle, Ken Quimby, Matt Schingle, J.T. Wood, and Mike Steigerwald

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

Cybersecurity Subcommittee: Jim Buccigross

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

Inactive Subcommittees:

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

Interpretations Subcommittee: Vacant

Demand Side Management-Energy Efficiency (DSM-EE) RMQ/WEQ Subcommittee: Paul Wattles (WEQ)

1. **End Notes WEQ 2019 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. 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-1)
4. 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-2)
5. 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-3)
6. <http://www.nerc.com/pa/Stand/Pages/CIPStandards.aspx> [↑](#footnote-ref-4)
7. 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-5)
8. 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-6)
9. 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-7)