



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

August 17, 2020
Filed Electronically

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

RE: Standards for Business Practices of Interstate Natural Gas Pipelines (Docket No. RM96-1 et al.)

Dear Ms. Bose:

The North American Energy Standards Board (“NAESB”) voluntarily submits this report to the Federal Energy Regulatory Commission (“FERC” or “Commission”) regarding Version 3.2 of the NAESB Wholesale Gas Quadrant (“WGQ”) Business Practice Standards published on August 15, 2020. This version of the WGQ Business Practice Standards is comprised of standards adopted by NAESB since its last WGQ publication in September 2017. An Executive Summary of the modifications which resulted in Version 3.2 is included in the attached report, along with a description of the standards that were created or modified as part of the publication.

Version 3.2 of the WGQ Business Practice Standards includes many newly created standards and modifications to existing standards developed through the NAESB process in response to industry requests and directives from the NAESB Board of Directors. This version also includes the standards developed in response to the recommendations of the 2019 cybersecurity surety assessment of the NAESB standards sponsored by the Department of Energy. All standards included in this version were approved by the WGQ Executive Committee, ratified by the WGQ membership, and are referenced herein.¹

As with all NAESB Business Practice Standards, the standard additions and revisions included as part of WGQ Version 3.2 were the result of significant industry effort to produce consensus-based standards representing a wide-range of perspectives from all segments of the marketplace. Participation in the standards development process was open to all interested parties, regardless of membership in NAESB. Contributors to the standards development were all given an equal opportunity to voice their positions and vote on the proposed standards created by the NAESB task forces and subcommittees. Interested parties unable to attend meetings or conference calls were also given an opportunity to participate by preparing written comments that are made publicly available and considered in the development process. All documentation regarding standards development is accessible through the NAESB homepage (www.naesb.org), and links are included in the accompanying report to applicable meetings, voting records, and ratification ballots.

The cover letter, report and enclosures are being filed electronically in Adobe Acrobat® Portable Document Format (.pdf), with each enclosure bookmarked separately. The filing is also available on the NAESB website. Please feel free to call the NAESB office (713-356-0060) or refer to the NAESB website should you have any questions or need additional information regarding Version 3.2 of the NAESB WGQ Business Practice Standards.

Respectfully submitted,

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

¹ The NAESB standards referenced in this report are reasonably available to the public through multiple methods. To access the standards at no cost, NAESB will provide a limited copyright waiver for evaluation purposes using a product called Locklizard (<https://www.locklizard.com/>). To request a waiver, please contact the NAESB office or follow the instructions in the following document: https://www.naesb.org/misc/NAESB_Nonmember_Evaluation.pdf. http://www.naesb.org/misc/NAESB_Nonmember_Evaluation.pdf.

cc with enclosures: Chairman Neil Chatterjee, Federal Energy Regulatory Commission
Commissioner Richard Glick, Federal Energy Regulatory Commission
Commissioner Bernard L. McNamee, Federal Energy Regulatory Commission
Commissioner, James Danly, Federal Energy Regulatory Commission

Mr. David L. Morenoff, Acting General Counsel, Office of the General Counsel, Federal Energy Regulatory Commission

Mr. Joseph McClelland, Director, Office of Energy Infrastructure Security, Federal Energy Regulatory Commission

Ms. Jette Gebhart, Director, Office of Energy Market Regulation, Federal Energy Regulatory Commission

Ms. Jignasa Gadani, Director, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

Mr. Michael Desselle, Chairman and Chief Executive Officer, North American Energy Standards Board

Ms. Valerie Crockett, Vice Chairman, North American Energy Standards Board

Mr. Jonathan Booe, Executive Vice President and Chief Administrative Officer, North American Energy Standards Board

Mr. William P. Boswell, General Counsel, North American Energy Standards Board

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

- Appendix A Links to Executive Committee Meeting Minutes, Comments, and Voting Records
- Appendix B Links to Ratification Ballots and Results
- Appendix C List of Transcripts
- Appendix D NAESB Process for Standards Development
- Appendix E NAESB WGQ Annual Plans
- Appendix F Minor Corrections Applied
- Appendix G Entities with Access to NAESB Standards
- Appendix H Entities without Recorded Access to the Most Recently Mandated NAESB WGQ Standards, Version 3.1

**UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION**

**Standards for Business Practices
of Natural Gas Pipelines**

)
)

Docket No. RM96-1, et al.

REPORT OF THE NORTH AMERICAN ENERGY STANDARDS BOARD

The North American Energy Standards Board (“NAESB”) voluntarily submits this report in the above referenced docket in accordance with Federal Energy Regulatory Commission (“FERC” or “Commission”) Order No. 587.¹ The report provides a summary of Version 3.2 of the Wholesale Gas Quadrant (“WGQ”) Business Practice Standards, published on August 15, 2020 and available for download on the NAESB website.² This publication of the WGQ Business Practice Standards is reflective of standards approved by the WGQ Executive Committee and ratified by the NAESB membership from the time of publication of WGQ Version 3.1 in September 2017 through August 2020.

Version 3.2 of the WGQ Business Practice Standards marks the fifteenth publication of standards developed by NAESB, previously the Gas Industry Standards Board (“GISB”), to support the wholesale gas market. In January 2002, GISB became the WGQ of NAESB. The GISB Version 1.5 standards were adopted by the WGQ of NAESB as Version 1.6 of the NAESB WGQ Standards³ in July 2002.⁴ Since that time, NAESB has adopted Version 1.7,⁵ Version 1.8,⁶ Version 1.9,⁷ Version 2.0,⁸ Version 2.1,⁹ Version 3.0,¹⁰ and Version 3.1¹¹ of the NAESB WGQ Business Practice Standards.

As described in the report below, Version 3.2 of the WGQ Business Practice Standards incorporates many new standards and modifications to existing standards to respond to industry requests and directives from the NAESB Board of Directors. This version also includes the standards developed and modified to enhance the cybersecurity protections defined by the standards in response to the U.S. Department of Energy (“DoE”) sponsored 2019 Sandia National Laboratories (“Sandia”) surety assessment of the NAESB standards and the standards developed to enable the utilization of distributed ledger technologies when transacting the NAESB Base Contract for Sale and Purchase of Natural Gas.

NAESB is filing this status report for informational purposes only and does not advocate that the Commission take any particular position on the standards discussed here within. The following report contains a high-level overview of all standards additions, modifications, and reservations applied to Version 3.2 of the WGQ Business Practice Standards in addition to more detailed information concerning the specific standards development activities, including

¹ This series of orders began with the Commission’s issuance of *Standards for Business Practices of Interstate Natural Gas Pipelines*, FERC Order No. 587, FERC Stats. & Regs. ¶ 31,038 (1996).

² NAESB website: <https://www.naesb.org>. The NAESB standards referenced in this report are reasonably available to the public through multiple methods. To access the standards at no cost, NAESB will provide a limited copyright waiver for evaluation purposes using a product called Locklizard (<https://www.locklizard.com/>). To request a waiver, please contact the NAESB office or follow the instructions in the following document: https://www.naesb.org/misc/NAESB_Nonmember_Evaluation.pdf.

³ The documents linked in the following footnotes are password protected. Non-members should contact the NAESB office to access the documents.

⁴ NAESB WGQ Version 1.6 Standards in Response to FERC Order Nos. 587 and 637, Docket Nos. RM96-1 et al, RM98-1 et al, available at https://www.naesb.org/member_login_check.asp?doc=ferc100402.pdf. (Submitted October 4, 2002).

⁵ NAESB WGQ Version 1.7 Standards in Response to FERC Order Nos. 587 and 637, Docket Nos. RM96-1 et al, RM98-1 et al, available at <https://www.naesb.org/protected/ferc041404.pdf> (Submitted April 14, 2004).

⁶ NAESB WGQ Version 1.8 Standards in Response to FERC Order Nos. 587, Docket Nos. RM96-1 et al, available at <https://www.naesb.org/protected/ferc091407.pdf> (Submitted September 14, 2007).

⁷ NAESB WGQ Version 1.9 Standards in Response to FERC Order Nos. 587, Docket Nos. RM96-1 et al, available at https://www.naesb.org/pdf4/ferc093009_naesb_wgq_1.9_filing.pdf (Submitted September 30, 2009).

⁸ NAESB WGQ Version 2.0 Standards in Response to FERC Order Nos. 587, Docket Nos. RM96-1 et al, available at https://www.naesb.org/pdf4/naesb_wgq_ver2_0_report_ferc_030411.pdf (Submitted March 4, 2011).

⁹ NAESB WGQ Version 2.1 Standards in Response to FERC Order Nos. 587, Docket Nos. RM96-1 et al, available at: https://www.naesb.org/pdf4/ferc072313_wgq_version_2.1_filing.pdf (Submitted on July 23, 2013).

¹⁰ NAESB WGQ Version 3.0 Standards in Response to FERC Order Nos. 587, Docket Nos. RM96-1 et al, available at: https://www.naesb.org/pdf4/ferc111414_wgq_version_3.0_filing.pdf (Submitted on November 14, 2014).

¹¹ NAESB WGQ Version 3.1 Standards in Response to FERC Order Nos. 587, Docket Nos. RM96-1 et al, available at: https://www.naesb.org/pdf4/ferc092917_wgq_version_3.1_filing.pdf (Submitted September 29, 2017).

the application of minor corrections. Concluding the report are two sections that contain information on the NAESB Copyright Policy and access to the NAESB Business Practice Standards.

Additionally, there are eight enclosures to this report. Appendix A is a list of the WGQ Executive Committee meetings during which recommendations were considered that resulted in Version 3.2 of the WGQ Business Practice Standards with links to the meeting minutes, formal comments on the recommendations, and the voting records for those meetings. Appendix B is a list of the links to the WGQ membership ratification ballots for the recommendations adopted by the WGQ Executive Committee. Appendix C is a list of the available transcripts from the WGQ Executive Committee meetings. Appendix D is a chart explaining the NAESB standards development process. Appendix E contains the 2017, 2018, 2019, and 2020 WGQ Annual Plans. Appendix F is a list of the minor corrections contained in this report. Appendix G is a list of NAESB members and non-member companies with valid access to Version 3.2 of the WGQ Standards. Finally, Appendix H is a list of jurisdictional entities that NAESB does not have a record of valid access to the most recently mandated Version 3.1 of the WGQ Business Practice Standards.

WGQ Version 3.2 Standards Summary

Presented below is a summary of the standards efforts that led to the compilation of Version 3.2 of the WGQ Business Practice Standards. As noted above, all standards modifications made as part of WGQ Version 3.2 are contained in a table at the end of this report that cross-references all of the WGQ Version 3.2 standards modifications to the related requests for development or annual plan items and the action taken. The summary below is organized into the following sections: Standards to Support Enhancements to Cybersecurity Protections, the Modifications to the NAESB WGQ Standards, the Modifications Impacting Multiple Sets of Standards, the Modifications to the NAESB WGQ Data Set Standards and Technical Implementation, the Modifications Impacting Multiple Data Sets, Modifications to WGQ Contracts, Minor Corrections and the NAESB Copyright Policy accompanied by information on access to the standards.

Standards to Support Enhancements to Cybersecurity Protections

2019 WGQ Annual Plan Items 6.a and 6.b

At the request of the DoE, NAESB has included additions and revisions in Version 3.2 of the WGQ Business Practice Standards made to address cybersecurity-related recommendations made by Sandia. To ensure the recommendations made by Sandia are implemented by the industry as soon as possible, the DoE requested that NAESB expedite the standards development effort resulting from recommendations contained in the report.

In April 2017, NAESB announced that Sandia, through funding provided by the DoE, would be performing a surety assessment of the NAESB Business Practice Standards. This was the third such assessment, with both previous assessments resulting in modifications to the NAESB Business Practice Standards. As determined by Sandia and the DoE, the purpose of the surety assessment was to analyze cybersecurity elements within the NAESB Business Practice Standards, focusing on four areas: (1) the NAESB Certification Program for Accredited Certification Authorities, including the WEQ-012 Public Key Infrastructure (“PKI”) Business Practice Standards, the NAESB Accreditation Requirements for Authorized Certificate Authorities, and the Authorized Certification Authority Process; (2) the Wholesale Electric Quadrant (“WEQ”) OASIS suite of standards; (3) the WGQ and Retail Markets Quadrant (“RMQ”) Internet Electronic Transport and QEDM Related Standards Manual; and (4) a high-level dependency analysis between the gas and electric markets to evaluate the different security paradigms the markets employ.

NAESB worked closely with Sandia as well as representatives from the DoE throughout the assessment process. A meeting between the Sandia surety assessment team and subject matter experts in the NAESB Business Practice Standards was hosted by NAESB to provide a broader understanding on how the gas and electric industries utilize the standards. Additionally, the NAESB Board Critical Infrastructure Committee (“Board CIC”), the Committee responsible for monitoring cybersecurity and critical infrastructure activities for the NAESB Board of Directors, reviewed draft iterations of the surety assessment reports and provided feedback to the surety assessment team. This collaborative process included participation by representatives of Sandia and the DoE in Board CIC meetings, as well as frequent communications between NAESB, Sandia, and the DoE staff. These efforts culminated in the submittal of the final reports to NAESB on July 22, 2019. The reports contained the findings and recommendations made by Sandia as part of the surety assessment of the cybersecurity-related elements within the NAESB Business Practice Standards.

In anticipation of the completion of the surety assessment, and to accommodate the request by the DoE that NAESB expedite any resulting standards development, NAESB included a new item on its 2019 Annual Plans. That item called for a review of the surety assessment final reports and the development and/or modifications of business practice

standards as needed to address the recommendations of Sandia to bolster cybersecurity protections within the standards. In August 2019, subcommittees within the WEQ, WGQ, and RMQ began standards development efforts and, by March 2020, NAESB completed membership ratification of all standard development activities addressing the applicable recommendations from Sandia.

After receiving guidance from the Board CIC, the WGQ EDM Subcommittee and the RMQ Information Requirements and Technical Electronic Implementation Subcommittee (“IR/TEIS”) held six joint conference calls between August 19, 2019 and December 2, 2019 to respond to the relevant Sandia recommendations. Described below are the additions, revisions, and reservations made to the WGQ QEDM, and the WGQ/REQ/RGQ Internet Electronic Transport (“IET”) Business Practice Standards.

First, the RMQ IR/TEIS and the WGQ EDM subcommittees were asked to consider standards to require the implementation of fixes or patches for known vulnerabilities within 30 days of their publication. In response, the subcommittees deleted Principle 4.1.15 in the QEDM and Principle 10.1.7 in the IET and replaced those principles with two new standards, 4.3.109 and 10.3.28. The new standards state that trading partners should evaluate such releases within 30 days and implement the fix or patch as soon as reasonably practicable based on the severity of the risk. Additionally, Principle 4.1.39 in the QEDM and Principle 10.1.7 in the IET were deleted and replaced with two new standards, 4.3.110 and 10.3.29. Those new standards state that trading partners should mutually agree to the version of the QEDM and IET to be utilized. Additionally, corresponding modifications were made to Appendices B and D in the QEDM.

Next, the subcommittees were asked to consider standards that would provide notice to trading partners of any systems or software that have not been updated, and the potential impact of utilizing the vulnerable system in the 30-day window. In response, the subcommittees incorporated the concept into the new standards discussed above – 4.3.109, 4.3.110, 10.3.3.28, and 10.3.29 – specifying notification timelines, where applicable, and, in all other cases, stating that the trading partners should make the change as soon as possible in coordination with the other trading partners.

Additionally, the subcommittees were asked to review all Transport Layer Security (“TLS”) and Secure Socket Layer (“SSL”) references and make revisions as necessary to meet requirements in the National Institute of Standards and Technology (“NIST”) Special Publication, NIST SP 800-52. In order to align with the SSL/TLS configurations as included in NIST SP 800-52, the subcommittees deleted all references to the SSL protocol in the standards, specified TLS Version 1.2 should be used, and centralized such references to make future revisions easier. That effort led to revisions in the Introduction, Appendices B and D, and the Authentication and Encryption section in the QEDM Manual. In the IET, the Data Privacy and Encryption, the Authentication, and the Using an Interactive Browser for Internet ET sections were revised. Additionally, corresponding modifications were made to the WGQ Standard Nos. 4.3.60, 4.3.61, 10.2.33, and 10.3.25.

Also, the Sandia assessment team recommended that any major security bulletins or recommendations should be considered for implementation within a minimum 30-day window, even if a new version of the standard is not yet available or finalized. In response to the recommendation, the subcommittees modified standards to specify notification timelines where applicable and, in all other cases, to make changes as soon as possible in coordination with trading partners. The proposed new standards, 4.3.109, 4.3.110, 10.3.3.28, and 10.3.29 were also modified to address the recommendation, along with revisions to the Security section within the QEDM.

In the next recommendation, Sandia suggested that the subcommittees consider guidelines for configuration and logging, network traffic monitoring, and alerting systems, as well standards that require manual continuity of operations in the event of abnormal behavior or failure conditions with the system. In response, the subcommittees modified the new standards 10.3.28 and 4.3.110 to include both specific and broad adoptions of system security measures, and specific notification and coordination during outages with effected trading partners.

Next, Sandia recommended the removal of legacy support references and the maintenance of a minimum encryption strength of 128 bits. In response, the WGQ EDM and RMQ IR/TEIS modified the IET and QEDM standards to both remove dated versions, such as PGP, and centralize such references to make future revisions easier. Modifications were made to NAESB WGQ Standard No. 10.2.34 to delete a PGP-related hyperlink and a new standard was added to specify that OpenPGP should be used to create public and private keys for privacy and digital signature applications. Modifications were also applied to NAESB WGQ Standard No. 10.3.15 and the Data Privacy and Encryption section in the IET to accommodate OpenPGP. The following sections in the IET were also modified: Example of an X12 File Encrypted with PGP; Pre-Validation before Encryption, Understanding OpenPGP and PGP; Encryption/Digital Signature, OpenPGP or File Encryption; NAESB Internet ET Test Guidelines, and Appendix A – Reference Guide.

As explained in the Sandia reports, an HTTPS solution protects information in transit and supports overall privacy needs; however, using basic authentication over HTTP is inherently insecure as username/password combinations are not encrypted in HTTP basic authentication. Further, the report indicates that HTTPS communications must be secured via certificates issued by a trusted, commercial certificate authority such as a NAESB Authorized Certificate Authority in order to verify certificate authenticity. In response to this item, the subcommittees modified the standards to specify HTTPS whenever secure communication is required, resulting in modifications to the Security section of the QEDM, NAESB WGQ Standard Nos. 4.3.60, 4.3.84, 10.3.4, and 10.3.16, along with the Introduction, Login and Encryption, Authentication and Encryption sections in the QEDM and the Authentication and Using an Interactive Browser for Internet ET sections of the IET.

On the topic of key lengths, Sandia provided that Rivest-Shamir-Adleman, or RSA, keys must be no shorter than 2048 bits, while Elliptic Curve Digital Signature Algorithm, or ECDSA, keys must be no shorter than 224 bits. Hash algorithms should be from the SHA-2 or SHA-3 families and acceptable AES key lengths range from 128, to 192, to 256. The report asserted that, in general, implementors should use the largest feasible key length consistent with implementation of current business processes. In response, the subcommittees modified standards to specify a 128-bit key length, newer PGP versions, and hash algorithms through the deletion of NAESB WGQ Standard No. 4.3.83, further revisions to the Login and Encryption section in the QEDM, and modifications to the Understanding OpenPGP and PGP section.

In the report, Sandia observed that the WGQ Standard 4.3.60 and WGQ Standard 10.3.16 both allow basic authentication and recommended that multi-factor (e.g. two-factor) authentication be required on an individual basis. Sandia added that simply authenticating the nodes involved is not acceptable. The subcommittees modified the standards to state that secure websites should employ individual user credentials. The participants in the subcommittees found that the current standard of user IDs and passwords maintains the security of websites without complicating the login process, especially for users that access multiple websites. The standards modified in response to this item include: the Security section in the QEDM, the modification of 4.3.60 regarding the logon requirements for the Customer Activities website, a modification to 10.3.25 to delete references to SSL and add TLS, and the addition of a reference in Appendix A in the NAESB IET, and the Authentication section of the IET.

Finally, Sandia encouraged the industry to perform security assessments on applicable software, services or platforms. Specifically, the report suggested that the software vendors, in partnership with their customers, determine the specifics of these assessments to ensure that all relevant risks are addressed. The subcommittees modified the Security section and Appendix B Browser and Appendix D EDM Communications in the QEDM to encourage security assessments and coordination between customers, vendors, and trading partners.

The recommendation from the subcommittees containing all of the standards additions and modifications described above was distributed for a thirty-day formal comment period between December 3, 2019 to January 3, 2019. No comments were received, and on February 20, 2020, the WGQ Executive Committee approved the recommendation. The NAESB WGQ membership ratified the standards on March 23, 2020.

Modifications to the NAESB WGQ Standards

The following section describes standards development efforts undertaken in response to industry requests or through the normal course of WGQ activities that resulted in modifications to the Nomination Related Standards, QEDM Standards, and an effort that impacted multiple sets of standards. As part of the full-staffing process, revisions were made, where appropriate, to the related data sets and technical implementation as part of the standards development effort.

Nomination Related Standards

The standards development effort described below impacted the NAESB WGQ Nomination Related Standards.

On February 24, 2020, NAESB received Request R20004 asking NAESB to add a new data element “Capacity Block ID” to NAESB WGQ Standard No. 1.41 Nomination based on the business condition of the Transportation Service Provider receiving the nomination. Additionally, R20004 requested to add validation codes to NAESB WGQ Standard No. 1.4.2 Nomination Quick Response and to modify the nomination key in NAESB WGQ Standard No. 1.3.27, as appropriate. The requested modifications are intended to allow a Service Requester to determine which rights of the contract their segmentation nomination is utilizing. The WGQ BPS held a conference call on April 1, 2020 and voted out instructions to the joint Information Requirements and Technical Subcommittees (“joint IR/Technical Subcommittees”) to accommodate the Business Conditional (“BC”) business practice of sending “Capacity Block

ID”. After two meetings held in May, the joint IR/Technical Subcommittees voted out a recommendation that modified NAESB WGQ Standard No. 1.3.27, NAESB WGQ Standard No. 1.4.1 Nomination, and NAESB WGQ Standard No. 1.4.2 Nomination Quick Response to include the data element “Capacity Block ID”. No comments were submitted during the formal comment period for the recommendation that concluded on July 2, 2020. On July 8, 2020, the recommendation was adopted by the WGQ Executive Committee and the standards were subsequently ratified by the NAESB WGQ membership on August 6, 2020.

Quadrant Electronic Delivery Mechanisms Related Standards

The three standards development efforts described below impacted the NAESB WGQ QEDM Standards. The second and third standards development efforts also impacted related technical implementation.

1. In response to Request R17005, submitted on September 11, 2017, the WGQ BPS met three times between October and November 2017 to develop a recommendation that proposed a new standard to define a NAESB standard time frame for information to be retained on the Informational Postings website. During its February 28, 2018 conference call, the joint IR/Technical Subcommittees determined that no further modifications were needed to the WGQ Standards to support the recommendation of the WGQ BPS. One formal comment was submitted during the thirty-day formal comment period, held from February 28, 2018 to March 29, 2018, which proposed a revision to add clarity to the proposed standard. During the April 26, 2018 WGQ Executive Committee conference call, at the request of the co-chairs of the WGQ BPS, the Executive Committee remanded the recommendation back to the subcommittee for further discussion and potential revisions. The WGQ BPS held four additional conference calls from May 3, 2018 to August 14, 2018, to modify the proposed standard and to draft another standard. The standards provide a minimum time that Operationally Available data should be made available and also provide a timeline regarding the availability of notices on the Informational Postings website. No formal comments were submitted on the resulting recommendation during the thirty-day formal comment period held from August 23, 2018 to September 21, 2018. On October 11, 2018, the WGQ Executive Committee approved the recommendation and the NAESB WGQ membership ratified the two standards on November 15, 2018.
2. On December 6, 2018, Request R18013 was submitted to the NAESB office, requesting modifications to NAESB WGQ Standard No. 4.3.49 to allow for processing functions at the line item level on Customer Activities websites and to allow for the use of icons and/or graphical control elements for navigation and/or processing functions. Three WGQ Subcommittees worked to develop a recommendation in response to the request. During the April 2, 2019 WGQ Business Practices Subcommittee (BPS) conference call, the WGQ BPS modified NAESB WGQ Standard No. 4.3.49 and recommended that the joint IR/Technical Subcommittees and the WGQ Electronic Delivery Mechanisms (EDM) Subcommittee review the proposed standard to determine whether any further modifications to the WGQ technical implementation was necessary. The April 9-10, 2019 face-to-face joint IR/Technical Subcommittees meeting in Houston was followed by two conference calls on June 12, 2019 and July 17, 2019. During the July conference call, the joint IR/Technical Subcommittees determined that no further modifications should be proposed to the WGQ Standards. The WGQ EDM Subcommittee held two conference calls on June 20, 2019 and July 10, 2019 to develop corresponding language and examples regarding graphical control elements to be included in the technical implementation of the WGQ QEDM Related Standards. No formal comments were submitted on the recommendation for R18013 during the thirty-day industry comment period, held from July 17, 2019 to August 15, 2019. The WGQ Executive Committee approved the recommendation during its October 17, 2019 meeting and the NAESB WGQ membership ratified the recommendation on November 21, 2019.
3. 2019 WGQ Annual Plan Item 2 directed the WGQ EDM Subcommittee to update the minimum technical characteristics in Appendices B, C, and D of the WGQ QEDM Manual, and make changes as appropriate. The WGQ EDM Subcommittee held three conference calls on December 2, 2019, January 7, 2020, and January 21, 2020. The resulting recommendation deleted Appendix C of the QEDM, moved the Informational Postings and Customer Activities minimal suggested characteristics into a single appendix, and updated the browser recommendations and TCP Ports, along with other technical updates and minor edits for clarification. The WGQ EDM updated the recommendation in response to the single comment that was submitted during the thirty-day formal comment period held from January 21, 2020 to February 19, 2020. On February 20, 2020, the WGQ Executive Committee approved the

recommendation containing the revisions by the WGQ EDM. The NAESB WGQ membership ratified the recommendation for 2019 WGQ Annual Plan Item 2 on March 23, 2020.

Modifications Impacting Multiple Sets of Standards

The standards development effort described below impacted multiple sets of the NAESB WGQ Standards and related data sets and technical implementation.

In response to R17001, submitted to the NAESB office on May 1, 2017, the WGQ BPS and joint IR/Technical Subcommittees developed a recommendation proposing to modify NAESB WGQ Standard Nos. 1.3.14, 1.3.15, 1.3.82, and 3.3.3 and delete the code value “Gigacalorie” in the following data sets:

| | |
|-------------------------------|---------------------------------|
| NAESB WGQ Standard No. 0.4.1 | Storage Information |
| NAESB WGQ Standard No. 0.4.2 | Operational Capacity |
| NAESB WGQ Standard No. 0.4.3 | Unsubscribed Capacity |
| NAESB WGQ Standard No. 1.4.1 | Nomination |
| NAESB WGQ Standard No. 1.4.3 | Request for Confirmation |
| NAESB WGQ Standard No. 1.4.4 | Confirmation Response |
| NAESB WGQ Standard No. 1.4.5 | Scheduled Quantity |
| NAESB WGQ Standard No. 1.4.6 | Scheduled Quantity for Operator |
| NAESB WGQ Standard No. 2.4.1 | Pre-determined Allocation |
| NAESB WGQ Standard No. 2.4.1 | Allocation |
| NAESB WGQ Standard No. 2.4.6 | Measured Volume Audit Statement |
| NAESB WGQ Standard No. 2.4.17 | Producer Imbalance Statement |
| NAESB WGQ Standard No. 3.4.1 | Transportation / Sales Invoice |
| NAESB WGQ Standard No. 3.4.2 | Payment Remittance |
| NAESB WGQ Standard No. 5.4.24 | Offer |
| NAESB WQQ Standard No. 5.4.25 | Bid |
| NAESB WGQ Standard No. 5.4.26 | Award Download |

The request states that, per a September 7, 2006 Mexican Resolution, Resolution No. RES/267/2006, the unit for measuring the heating value of gas in Mexico was changed from calories to joules. In response, R17001 asked that NAESB update the NAESB WGQ Standards and data sets to remove references to “gigacalories” and add “gigajoules” as the standard quantity for nominations, confirmations, and scheduling in Mexico. The WGQ BPS held conference calls on June 13, 2017 and June 27, 2017 to modify NAESB WGQ Standard Nos. 1.3.14, 1.3.15, 1.3.82, and 2.3.9. Additionally, the WGQ BPS drafted instructions to the joint IR/Technical Subcommittees to review the proposed standards modifications and make any corresponding changes to the data sets. During its July 13, 2017 conference call and a face-to-face meeting on October 24-25, 2017, the joint IR/Technical Subcommittees completed the modifications to the data sets. No comments were submitted during the thirty-day formal comment period for R17001 held from November 13, 2017 to December 13, 2017. The WGQ Executive Committee adopted the modifications via notational ballot on February 22, 2018. NAESB WGQ membership ratified the recommendation on March 26, 2018.

Modifications to the NAESB WGQ Data Set Standards and Technical Implementation

The following section describes modification efforts that impacted the NAESB WGQ Additional Standards data sets, Nomination Related Standards data sets, Flowing Gas Related Standards data sets, Invoicing Related data sets, Capacity Release Related Standards data sets, and those that affected multiple data sets. The efforts impact technical implementation documentation and did not result in modifications to the standards.

Additional Standards Data Sets

The two standards development efforts described below impact the Additional Standards data sets and related technical implementation.

1. In response to R19001, submitted on January 15, 2019, the WGQ BPS and joint IR/Technical Subcommittees developed a recommendation proposing to add a new data element “Location Fuel Area” to the NAESB WGQ Standard No. 0.4.4 Location Data Download. The modification would allow for information to be provided in order to assist customers in identifying the fuel path used to calculate their fuel retention requirement. During its April 2, 2019 conference call, the WGQ BPS drafted instructions to the joint IR/Technical Subcommittees to accommodate the requester’s need to identify location fuel data. The joint IR/Technical Subcommittees held a face-to-face meeting on April 9-10, 2019 and a

conference call on June 12, 2019 to complete the recommendation. No comments were submitted during the thirty-day comment period held from July 17, 2019 to August 15, 2019. The recommendation was approved during the October 17, 2019 WGQ Executive Committee meeting and ratified by the NAESB WGQ membership on November 21, 2019.

2. Submitted to NAESB on April 14, 2020, Request R20005 requested to add a Sender's Option ("SO") data element "Call Days Remaining" to NAESB WGQ Standard No. 0.4.1 Storage Information. The new data element was proposed to alert Service Requesters of the number of days available to exercise a call using their storage contract. On May 22, 2020, the WGQ BPS held a conference call, revised the proposed definition, and forwarded instructions to the joint IR/Technical Subcommittees to accommodate the SO business practice of sending the "Call Days Remaining" in the NAESB WGQ Standard No. 0.4.1 Storage Information. On May 27, 2020, the joint IR/Technical Subcommittees voted out the recommendation for R20005. No comments were submitted during the formal comment period held from May 28, 2020 to June 29, 2020. During its July 8, 2020 conference call, the WGQ Executive Committee adopted the recommendation. The NAESB WGQ membership ratified the standards on August 6, 2020.

Nomination Related Standards Data Sets

Both of the standards development efforts described below impact the Nominations Related Standards data sets and related technical implementation.

1. In response to Request R18008, submitted to NAESB on July 30, 2018, the WGQ BPS and joint IR/Technical Subcommittees developed a recommendation to add the existing data element "Route" to the following data sets: NAESB WGQ Standard No. 1.4.3 Request for Confirmation, NAESB WGQ Standard No. 1.4.4 Confirmation Response, and NAESB WGQ Standard No. 1.4.6 Scheduled Quantity for Operator. Currently, two transactions can be on the same path-threaded pipeline with identical Contract Numbers, Ranks, and other identifiers. The addition of the unique data element "Route" was proposed to accommodate situations where nominations that look identical need to be distinguished by the specific path. The WGQ BPS held two conference calls on October 2, 2018 and December 10, 2018 and drafted instructions to the joint IR/Technical Subcommittees to accommodate the Mutually Agreeable ("MA") business practice of accommodating "Route" information in the data sets, to review all associated data sets, and to make corresponding changes. The recommendation was completed during the February 6-7, 2019 joint WGQ IR/Technical Subcommittees meeting. A thirty-day formal comment period for the recommendation concluded on March 25, 2019 with no comments submitted. During the March 28, 2019 WGQ Executive Committee meeting, the recommendation was approved. The WGQ membership ratified the recommendation on April 29, 2019.
2. On April 24, 2020, NAESB received Request R20006 requesting to add four Mutually Agreeable (MA) data elements for the Nomination Contact Information to NAESB WGQ Standard No. 1.4.1 Nomination. If adopted, the new data elements would allow customers to enter their direct contact information in case of questions regarding the nomination. During its May 22, 2020 conference call, the WGQ BPS drafted instructions to the joint IR/Technical Subcommittees to accommodate the requested MA data elements – "Contact Person (Name)", "Contact Person (Phone)", "Contact Person (Cell)", and "Contact After Hours (Phone)". On May 27, 2020, the joint IR/Technical Subcommittees voted out a recommendation adding the data elements to the NAESB WGQ Standard No. 1.4.1 Nomination and NAESB WGQ Standard No. 1.4.2 Nomination Quick Response. From May 28, 2020 to June 29, 2020, the recommendation was posted for formal comments. No comments were submitted. During the July 8, 2020 WGQ Executive Committee conference call, the recommendation was approved and the standards were subsequently ratified on August 6, 2020.

Flowing Gas Related Standards Data Sets

The standards development efforts described below impacted the Flowing Gas Related Standards data sets and technical implementation.

1. On March 26, 2018, Request R18003 was submitted to the NAESB office, requesting to add the data element "Transport Contract" to NAESB Standard No. 2.4.11 Imbalance Trade. The request explained that, as transportation charges are incurred by trades that cross zones, the new data element would provide a way to identify the Transport Contract in the data set. The WGQ BPS met twice in May 2018

to vote out instructions to the joint IR/Technical Subcommittees. The joint IR/Technical Subcommittees held a two-day meeting in July to develop the modifications. The thirty-day formal comment period on the recommendation for R18003 began on July 23, 2018 and concluded on August 21, 2018. The WGQ Executive Committee approved the recommendation during its August 23, 2018 meeting and the NAESB WGQ membership ratified the recommendation on September 21, 2018.

2. On May 1, 2020, Request R20007 was submitted to NAESB and suggested the addition of several data sets in order to accommodate a Service Requester trading imbalance under an account which represents one or more Service Requester Contracts. On May 22, 2020, the WGQ BPS drafted instructions to the joint IR/Technical Subcommittees to accommodate the BC and SO data elements – “Authorized Service Requester Account”, “Service Requester Account”, “Account – Confirming Trader”, and “Account – Initiating Trader”– and any corresponding modifications, in NAESB WGQ Standard No. 2.4.9 Authorization to Post Imbalances, NAESB WGQ Standard No. 2.4.10 Posted Imbalances Download, and NAESB WGQ Standard No. 2.4.11 Imbalance Trade. The recommendation was voted out of the joint IR/Technical Subcommittee on May 27, 2020. No comments were submitted during the formal industry comment period that concluded on June 29, 2020. After the July 8, 2020 WGQ Executive Committee adoption of the recommendation, the NAESB WGQ membership ratified the standards on August 6, 2020.

Invoicing Related Data Sets

The standards development efforts described below impact the Invoicing Related Standards data sets and technical implementation.

1. On February 26, 2018, Request R18001 was submitted to the NAESB office and asked that NAESB add the data elements “Payee's Bank Wire ABA Number” and “Payee's Bank ACH ABA Number” to NAESB Standard No. 3.4.1 Transportation/Sales Invoice, NAESB Standard No. 3.4.2 Payment Remittance, and NAESB Standard No. 3.4.4 Service Requester Level Charge/Allowance Invoice. As many banks provide for funds to be transferred electronically via wire and by Automated Clearing House, the request intended updates to the data sets to display both data elements. The WGQ BPS met on April 12, 2018 and May 3, 2018 to forward instructions to the joint IR/Technical Subcommittees to accommodate the SO data elements “Payee’s Bank Wire ABA Number” and “Payee’s Bank ACH ABA Number” in the NAESB Standard No. 3.4.1 Transportation/Sales Invoice and the NAESB Standard No. 3.4.4 Service Requester Level Charge/Allowance Invoice. Additionally, the instructions asked the joint IR/Technical Subcommittees to modify the NAESB Standard No. 3.4.2 Payment Remittance Statement to accommodate the BC data elements “Payee’s Bank Wire ABA Number” and “Payee’s Bank ACH ABA Number”. During its July 18-19, 2018 meeting, the joint IR/Technical Subcommittees determined that it would be most efficient to modify an existing data element, “Payee’s Bank ABA Number” and add one new data element, “Payee’s Bank Wire ABA Number”. No comments were submitted during the thirty-day formal comment period that began on July 23, 2018 and closed on August 21, 2018. The WGQ Executive Committee approved the recommendation on August 23, 2018. On September 21, 2018, the NAESB WGQ membership ratified the recommendation.
2. In response to Request R20001, submitted on January 15, 2020, the WGQ BPS and joint IR/Technical Subcommittees developed a recommendation to add a SO data element “Invoice Notes” to NAESB WGQ Standard No. 3.4.1 Transportation/Sales Invoice. The requested modification was proposed to provide the ability to include General Notes in the Invoice Heading section and is applicable to Transaction Level and Service Requester Level. The WGQ BPS held a conference call on April 1, 2020 to discuss R20001 and draft instructions to the joint IR/Technical Subcommittees to accommodate the SO business practice. On May 5, 2020, the joint IR/Technical Subcommittees voted out the recommendation. A thirty-day formal industry comment period for the recommendation concluded on June 4, 2020 with no comments submitted. During the July 8, 2020 WGQ Executive Committee call, the recommendation was approved. The WGQ membership ratified the recommendation on August 6, 2020.

Capacity Release Related Standards Data Sets

The standards development effort described below impacts the Capacity Release Related Standards data sets and technical implementation.

1. Submitted on July 7, 2017, Request R17003 suggested the addition of the data element “Right to Amend Primary Points 3 Month Limit” to NAESB WGQ Standard Nos. 5.4.24 Offer, 5.4.26 Award Download, and 5.4.20 Transactional Reporting – Capacity Release data sets, along with two associated code values. The request explained that the modifications would provide a releasing shipper the ability to limit the acquiring shipper from amending any primary point for a period longer than three months. The WGQ BPS held conference calls on July 18, 2017 and July 25, 2017 to instruct the joint IR/Technical Subcommittees to accommodate, in the Capacity Release related standards, the BC business practice of allowing the releasing shipper to provide the ability of the replacement shipper to amend any primary point for a period of time and to review all associated data sets and make corresponding changes, including adding code values, as needed. During its October 24-25, 2017 face-to-face meeting, the joint IR/Technical Subcommittees voted out a recommendation that reflects the intent of R17003, but broadens the language to enable other pipelines to use the data element and associated code values without a reference to a particular period of time. Specifically, the recommendation adds a new data element “Right to Amend Primary Points Limit” to the requested data sets. Following a thirty-day comment period that concluded in December of 2017, the standards were adopted by the WGQ Executive Committee via notational ballot on February 22, 2018 and ratified by the NAESB WGQ membership on March 26, 2018.
2. Request R17009 was submitted to NAESB on September 25, 2017 and requested to add data elements and related code values to accommodate contractual quantities stated on an MCF basis in the following data sets: NAESB WGQ Standard No. 5.4.25 Bid, NAESB WGQ Standard No. 5.4.26 Award Download, NAESB WGQ Standard No. 5.4.20 Transactional Reporting – Capacity Release, NAESB WGQ Standard No. 5.4.21 Transactional Reporting – Firm Transportation, and NAESB WGQ Standard No. 5.4.22 Transactional Reporting – Interruptible Transportation. The WGQ BPS held two conference calls on October 19, 2017 and November 2, 2017 and forwarded instructions to the joint IR/Technical Subcommittees to accommodate the Conditional business practice of sending MCF when the measurement basis is volumetric in the requested data sets and to accommodate the SO business practice of sending measurement basis information in the NAESB WGQ Transactional Reporting data sets. Additionally, the joint IR/Technical Subcommittees were instructed to review all data sets and make corresponding changes, including adding code values, as needed. On December 13, 2017, the joint IR/Technical Subcommittees voted out the recommendation which added new data elements “Measurement Basis”, “Pressure Base”, and “Pressure Base Indicator” to the data sets. No comments were submitted during the thirty-day formal comment period from February 20, 2018 to March 21, 2018. On April 26, 2018, the WGQ Executive Committee approved the modifications and, on May 31, 2018, the NAESB WGQ membership ratified the recommendation.
3. Originally submitted as minor correction that was later withdrawn and resubmitted a standards request, R19016 was received by NAESB on December 17, 2019 and requested to modify the usage and condition of “Discount Indicator” in NAESB WGQ Standard No. 5.4.2 Offer. The WGQ BPS held two conference calls in April of 2020 to discuss R19016 and voted out instructions to the joint IR/Technical Subcommittees to accommodate the BC business practice in the EBB usage of the “Discount Indicator” in the Offer creation within NAESB WGQ Standard No. 5.4.24. The joint IR/Technical Subcommittees completed and approved the recommendation during a May 5, 2020 conference call. The resulting recommendation for R19016 modified the usage and condition of the data element “Discount Indicator” in the Offer data set. The recommendation for R19016 was posted for a thirty-day formal industry comment period that concluded on June 4, 2020 with no comments submitted. After approval during the July 8, 2020 WGQ Executive Committee conference call, the NAESB WGQ membership ratified the modifications on August 6, 2020.
4. Request R20002 was submitted to NAESB on January 16, 2020 and requested the addition of a SO data element “Location Indicator” to NAESB WGQ Standard No. 5.4.21 Transactional Reporting – Firm Transportation data set. The requested addition was proposed to allow Transportation Service Providers to specify whether a location is a single location, a reference to a list of locations, or all locations. The

WGQ BPS held a conference call on April 1, 2020 to vote out instructions to the joint IR/Technical Subcommittees to accommodate the SO business practice of including the Location Indicator in the requested data set. The joint IR/Technical Subcommittees completed the recommendation during its May 5, 2020 meeting. From May 5, 2020 to June 4, 2020, a thirty-day formal industry comment period was held and no comments were received on the recommendation. Following adoption of the recommendation during the July 8 WGQ Executive Committee conference call and a thirty-day ratification period, the NAESB WGQ membership ratified the recommendation for R20002 on August 6, 2020.

Modifications Impacting Multiple Data Sets

On August 13, 2019, NAESB received Request R19011 which asked NAESB to conduct a review of the EDI data set structure of NAESB WGQ Standard No. 3.4.1 Transportation/Sales Invoice, NAESB WGQ Standard No. 3.4.4 Service Requester Level Charge/Allowance Invoice, and NAESB WGQ Standard No. 2.4.4 Shipper Imbalance, in order to ensure the data sets comply with the hierarchical structure of the 811 ASC X12 data set and can be successfully used by trading partners. As explained in the request, several pipelines submitted R19011 in response to requests from trading partners to implement the Transportation Invoice in EDI. The joint IR/Technical Subcommittees met three times from September to December 2019 to develop the recommendation in response to R19011. The resulting modifications to the EDI X12 Mapping Guidelines corrected the hierarchical structure of the X12 811 Transaction Set in NAESB WGQ Standard No. 3.4.4 Service Requester Level Charge/Allowance Invoice and NAESB WGQ Standard No. 2.4.4 Shipper Imbalance. Additionally, a new EDI X12 Mapping Guidelines document was created to replace the existing document in the NAESB WGQ Standard No. 3.4.1 – Transportation/Sales Invoice. After a thirty-day formal comment period, the WGQ Executive Committee approved the recommendation on February 20, 2020 and the NAESB WGQ membership ratified the recommendation on March 23, 2020.

Modifications to WGQ Contracts

As part of the NAESB standards development efforts and in response to industry requests, the WGQ Contracts Subcommittee adopted modifications to the NAESB WGQ Contracts Standards and Models Manual, NAESB WGQ Standard No. 6.3.1 – NAESB Base Contract for Sale and Purchase of Natural Gas, NAESB WGQ Standard No. 6.3.1.MA – Mexican Addendum, and the NAESB WGQ Standard No. 6.3.1.CA – Canadian Addendum.

The following sections will describe the standards development efforts in response to Request R18007, submitted to NAESB on July 9, 2018. That request asked NAESB to develop a standard digital representation of natural gas trade events, consistent with NAESB Base Contract, in order to capitalize on smart contracts and distributed ledger technologies. The three subcommittees (“WGQ Subcommittees”) that worked on the recommendations – the WGQ BPS, the WGQ Contracts Subcommittee, and the WGQ EDM Subcommittee – divided the recommendations into two parts, R18007-A and R18007-B, described below.

1. Between October 2018 and September 2019, the WGQ Subcommittees held twelve meetings, many lasting for multiple days, to develop the recommendation for R18007-A/2020 WGQ Annual Plan Item 5.a – Develop standards and definitions for Transaction Confirmation dataset to support formation of electronic version of transaction confirmation under the Base Contract including fully staffed data dictionary and associated code values. On September 23, 2019, the WGQ Subcommittees voted out the recommendation for R18007-A which contained the following:
 - Updates to the Executive Summary of the NAESB 6.0 Contracts Standards and Models Manual to include a description of the new business process and a section on new data sets,
 - 7 new definitions (Proposed NAESB WGQ Standard Nos. 6.2.1-6.2.7),
 - 8 new standards (Proposed NAESB WGQ Standard Nos. 6.3.100-6.3.107), and
 - 6.4.1 Contracts Dataset, including a data dictionary, code values, a Technical Implementation of Business Process document, and a Paper Sample contract.

Six comments were submitted during the thirty-day comment period held from September 23, 2019 to October 16, 2019. Those comments led to revisions before the adoption of the recommendation during the October 17, 2019 WGQ Executive Committee meeting. The NAESB WGQ membership ratified the recommendation for R18007-A on November 21, 2019.

2. The WGQ Subcommittees held thirteen meetings, many lasting multiple days, from September 2019 to May 2020 to review and discuss R18007-B, the electronic version of the NAESB Base Contract to be utilized on distributed ledger technology. The resulting modifications were undertaken as part of R18007-B/2020 WGQ Annual Plan Item 1 – Update the NAESB WGQ Contracts Related Standards’ FAQs for NAESB WGQ Standard 6.3.1 Base Contract for Sale and Purchase of Natural Gas to provide information on the expected use of the data fields in the Transaction Confirmation. Also, the recommendation fulfilled 2020 WGQ Annual Plan Item 5.b – Develop standards and definitions for Transaction Confirmation and Sale and Purchase Invoice data sets to support formation of electronic version of transaction confirmation under the Base Contract including fully staffed data dictionary and associated code values.

On May 14, 2020 the WGQ Subcommittees voted out a recommendation containing the following:

- Updates to the Executive Summary of the NAESB WGQ Contracts Standards and Model Manual adding a description of the new business processes and a section on the new data sets,
- Modified and New Definitions and Standards:
 - New Definitions 6.2.8 and 6.2.9
 - Modified Standards 6.3.101, 6.3.104, 6.3.105, 6.3.106, and 6.3.107
 - New Standards 6.3.108 through 6.3.124
 - Proposed Standard 3.3.27,
- Modified 6.4.1 Contracts data set including:
 - Technical Implementation of Business Process
 - Data Dictionary
 - Code Values Dictionary
 - Paper Sample,
- New 6.4.2 Transaction Confirmation data set including:
 - Technical Implementation of Business Process
 - Data Dictionary
 - Code Values Dictionary
 - Paper Sample,
- New 6.4.3 Sale and Purchase Invoice data set including:
 - Technical Implementation of Business Process
 - Data Dictionary
 - Code Values Dictionary
 - Paper Sample,
- New 6.4.4 Sale and Purchase Invoice Response data set including:
 - Technical Implementation of Business Process
 - Data Dictionary
 - Code Values Dictionary
 - Paper Sample,
- Modifications to NAESB Base Contract and associated Exhibit A for minor edits and clarification to implement electronic communications,
- Modifications to the Canadian Addendum for minor edits and clarification to implement electronic communications, and
- Modifications to the Mexican Addendum for minor edits and clarification to implement electronic communications.

There were no comments submitted during the thirty-day formal comment period which concluded on June 17, 2020. The WGQ Executive Committee approved the recommendation for R18007-B during its July 8, 2020 conference call. The recommendation was ratified by NAESB WGQ membership on August 6, 2020. Outside of NAESB, Tennessee Valley Authority (“TVA”) and ExxonMobil have been working together in a parallel effort to initiate a pilot test to implement the newly developed standards by replicating their natural gas trades utilizing distributed ledger technology in a test environment. The details of the test between TVA and ExxonMobil have been closely coordinated with the DoE to ensure the data produced through the test will be informative and align with the goals of other projects underway at the DoE.

3. In response to 2017 WGQ Annual Plan Items 5.a and 5.b, the WGQ Contracts Subcommittee developed a Mexican Addendum to the NAESB Base Contract. On December 15, 2016, the WGQ Contract Subcommittee met to vote out a no action recommendation for the annual plan item, citing a lack of support for the effort. That no action recommendation was posted for a formal industry comment period that began on January 24, 2017 and concluded on February 22, 2017. Three comments were submitted in support of moving forward with the development of a Mexican Addendum from Mexico's Energy Regulatory Commission, Comisión Reguladora de Energía (CRE), Tennessee Valley Authority, and Group 8760. On February 23, 2017, the WGQ Executive Committee reviewed the no action recommendation along with the comments received and remanded the recommendation back to the WGQ Contracts Subcommittee for reconsideration. The WGQ Contracts Subcommittee held five calls between April 2017 and October 2017 to develop the Mexican Addendum. On August 22, 2017, the WGQ Contracts Subcommittee voted out the recommendation for the Mexican Addendum. A thirty-day formal comment period was held from August 22, 2017 to September 20, 2017. On October 26, 2017, the WGQ Executive Committee approved the recommendation as modified by a set of late formal comments from the Contracts Subcommittee and the NAESB WGQ membership ratified the Mexican Addendum on November 27, 2017.
4. On April 25, 2019, Request R19006 was submitted to NAESB and requested that the Section 2.31 Spot Price Publication in the NAESB Base Contract be modified to include "Argus Natural Gas Americas VWA" as a listed spot price publication. The WGQ Contracts Subcommittee held conference calls on July 12, 2019 and July 31, 2019 to develop the recommendation in response to the request. The recommendation was posted for a formal comment period from July 31, 2019 to August 29, 2019. No formal comments were submitted. After the approval of the recommendation during the October 17, 2019 WGQ Executive Committee, the NAESB WGQ membership ratified the recommendation on November 21, 2019.

Minor Corrections

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

NAESB Copyright Policy and Access to Standards

All NAESB standards are copyrighted and, as such, protected by federal copyright laws. NAESB alone retains all rights to publication, reproduction, display, and distribution of the copyright protected standards. As a benefit of membership, NAESB members may obtain the standards free of charge as well as make use of hyperlinks directing authorized users to a password protected version of the standards. Non-members, which include agents, subsidiaries, and affiliates of NAESB members, can purchase the standards through the NAESB website.¹² Standards are available for purchase by an entire publication, by topic, or by final action prior to the publication of a new version. The costs of standards and final actions are available on the NAESB website. NAESB maintains a publicly available report of all members with access to the standards¹³ as well as non-members who have obtained lawful access.¹⁴

In accordance with federal copyright law, NAESB prohibits the reproduction of any portion of a copyright protected standard by any person or entity, including the reprinting of all or a portion of a NAESB copyright protected standard in any FERC compliance filing and/or tariff. Entities needing to reference a specific standard in these filings may refer to standard numbers; however, NAESB recognizes that there may be circumstances in which a reference to a standard number is not adequate for full comprehension. In such cases, NAESB maintains a self-executing waiver process. The self-executing waiver process allows NAESB members and non-members who have purchased the standards a limited

¹² The NAESB Materials Order Form should be used to order any NAESB copyrighted materials. The order form lists the cost of each item and can be accessed through a link on the NAESB homepage.

¹³ The report on NAESB membership is available through the following link: <https://naesb.org/pdf4/memstats.pdf>.

¹⁴ The report containing non-members who have purchased copies of NAESB copyrighted materials is available at the following link: <https://naesb.org/pdf2/copyright.pdf>.

waiver to utilize a full or partial quotation of copyright protected standards language.¹⁵ Use of the self-executing waiver is limited to copyright protected standards language quotations in proposed and/or approved tariffs and tariff sheets, compliance filings, communications with customers and/or stakeholders in conducting day-to-day business, communications with regulatory agencies, and in electronic or other mediums making tariffs, tariff sheets, or other documents available to the public as required by law. The only exception to this requirement is NAESB WGQ Standard Nos. 1.3.2 and 4.3.2. NAESB has entered into an agreement with the Commission that enables all entities, without using a self-executing waiver, to quote these standards verbatim. Beyond quotations of these two standards or quotations made under the self-executing waiver, NAESB considers it a copyright infringement to quote any portion of its copyright protected standards as part of filings with the Commission and would be entitled to pursue legal action in such instances.

NAESB provides ample opportunities for non-members, including agents, subsidiaries, and affiliates of NAESB members, to obtain access to the copyrighted standards through a no-cost limited copyright waiver. The limited copyright waivers are issued by the NAESB office and are granted to non-members on a case-by-case basis for the purpose of evaluating standards prior to purchase and/or reviewing the standards to prepare comments to a regulatory agency. Following the granting of a limited copyright waiver, the non-member is provided with read-only access to the standards for a set period of time via Locklizard Safeguard Secure Viewer.¹⁶ NAESB will grant one limited copyright waiver per company for each set of standards or final actions. Any entity seeking a limited copyright waiver should contact the NAESB office.

¹⁵ The procedure regarding self-executing waivers can be accessed at the following link:
https://naesb.org/pdf4/selfexecuting_waiver_procedure.pdf.

¹⁶ For more information on Locklizard, please refer to the company's website: <https://www.locklizard.com>.

List of New Standards, Standards Modifications, and Interpretations for Version 3.2

Request Cross-Reference

The request cross-reference lists each standard either modified or created in Version 3.2, its description, the request that instigated the change, and a brief description of the change itself. If the change was originated through a minor correction, the date of the minor correction is given. The table is sorted by standard numbering shown below. If a standards manual is noted, it is for the set of standards that directly follow and is indicated by the series of standards within the manual.

The standards follow a numbering convention which is x.y.z:

| | | | |
|---|----|---|--|
| x | 0 | - | Additional Standards |
| | 1 | - | Nominations Related Standards |
| | 2 | - | Flowing Gas Related Standards |
| | 3 | - | Invoicing Related Standards |
| | 4 | - | Quadrant Electronic Delivery Mechanism Standards |
| | 5 | - | Capacity Release Related Standards |
| | 6 | - | Contracts Related Standards |
| | 7 | - | Interpretations |
| | 10 | - | WGQ / REQ / RGQ Internet Electronic Transport |
| | 11 | - | WEQ / WGQ eTariff Related Standards |
| y | 1 | - | Principles |
| | 2 | - | Definitions |
| | 3 | - | Standards |
| | 4 | - | Datasets – Data Dictionary |
| | 5 | - | Models |
| z | | - | Sequentially Assigned Number |

Terms used:

| | | |
|-------|---|---------------------------------------|
| GISB | - | Gas Industry Standards Board |
| NAESB | - | North American Energy Standards Board |
| REQ | - | Retail Electric Quadrant |
| RGQ | - | Retail Gas Quadrant |
| RMQ | | Retail Markets Quadrant |
| RXQ | - | Retail Energy Quadrants |
| WEQ | - | Wholesale Electric Quadrant |
| WGQ | - | Wholesale Gas Quadrant |

| Request Cross Reference | | | |
|--|------------------------|-----------------------|---|
| Standard | Description | Request No. | Action |
| 0.y.z - NAESB WGQ Additional Standards Manual | | | |
| 0.y.z – Additional Standards Manual | Table of Contents | MC18005 (04-29-19) | Minor correction to move the ‘Version Notes’ to the end of the manual and remove all references to ‘Tabs’ in the Table of Contents and Introduction in the NAESB WGQ Implementation Guides. |
| 0.y.z – Additional Standards Manual | Introduction | MC18005 (04-29-19) | Minor correction to move the ‘Version Notes’ to the end of the manual and remove all references to ‘Tabs’ in the Table of Contents and Introduction in the NAESB WGQ Implementation Guides. |
| 0.y.z – Additional Standards Manual | Related Standards | MC18005 (04-29-19) | Minor correction to remove the language under ‘ANSI ASC X12 Standards’ that NAESB members may purchase an ANSI reference document through NAESB. |
| 0.4.1 | Storage Information | R17001 (03-26-18) | Modify the Detail Segment QTY (Position 0470 and Position 1000), QTY03 (Data Element 355) by marking the Code Value ‘G8’ (Gigacalories) as Not Used in the ASC X12 Mapping Guidelines (G873STOR (004060)). |
| 0.4.1 | Storage Information | R20005 (08-06-20) | Add the new Sender’s Option data element and (Abbreviation) ‘Call Days Remaining (Call Days Rem).’ Modify the corresponding Data Element Cross Reference to ASC X12, add a new Transaction Set Table ‘N9 Segments (Detail)’ to the EDI X12 Transaction Set Tables, and modify the Detail Segment N9 (Position 0200), N901 (Data Element 128) and N902 (Data Element 127) in the ASC X12 Mapping Guidelines (G873STOR (004060)). |
| 0.4.2 | Operational Capacity | R17001 (03-26-18) | Modify the data element ‘Measurement Basis’ by removing the Code Value Description (Abbreviation) Gigacalories (GCal). Modify the Detail Segment QTY (Position 0470), QTY03 (Data Element 355) by marking the Code Value ‘G8’ (Gigacalories) as Not Used in the ASC X12 Mapping Guidelines (G873OACY (006052)). |
| 0.4.3 | Unsubscribed Capacity | R17001 (03-26-18) | Modify the data element ‘Measurement Basis’ by removing the Code Value Description (Abbreviation) Gigacalories (GCal). Modify the Detail Segment QTY (Position 0470), QTY03 (Data Element 355) by marking the Code Value ‘G8’ (Gigacalories) as Not Used in the ASC X12 Mapping Guidelines (G873UNSC (006022)). |
| 0.4.4 | Location Data Download | R19001 (11-21-19) | Add the new Sender’s Option data element and (Abbreviation) ‘Location Fuel Area (LocFuelArea)’ |

| Request Cross Reference | | | |
|---|--------------------|-----------------------|--|
| Standard | Description | Request No. | Action |
| 1.y.z - NAESB WGQ Nominations Related Standards Manual | | | |
| 1.y.z – Nomination s Related Standards Manual | Table of Contents | MC18005 (04-29-19) | Minor correction to move the ‘Version Notes’ to the end of the manual and remove all references to ‘Tabs’ in the Table of Contents and Introduction in the NAESB WGQ Implementation Guides. |
| 1.y.z – Nomination s Related Standards Manual | Introduction | MC18005 (04-29-19) | Minor correction to remove all references to ‘Tabs’ in the Table of Contents and Introduction in the NAESB WGQ Implementation Guides. |
| 1.y.z – Nomination s Related Standards Manual | Related Standards | MC18005 (04-29-19) | Minor correction to remove the language under ‘ANSI ASC X12 Standards’ that NAESB members may purchase an ANSI reference document through NAESB. |
| 1.3.14 | Standard | R17001 (03-26-18) | Modify standard to remove references to gigacalories as the standard quantity for nominations, confirmations and scheduling in Mexico. |
| 1.3.15 | Standard | R17001 (03-26-18) | Modify standard to remove references to gigacalories as the standard quantity for nominations, confirmations and scheduling in Mexico. Add reference to NAESB WGQ Standard No. 1.3.14. |
| 1.3.27 | Standard | R20004 (08-06-20) | Modify standard to add the data element ‘Capacity Block ID’ |
| 1.3.82 | Standard | R17001 (03-26-18) | Modify standard to remove references to gigacalories as the standard quantity for nominations, confirmations and scheduling in Mexico. Add reference to NAESB WGQ Standard No. 1.3.14. |
| 1.4.1 | Nomination | R17001 (03-26-18) | Modify the Detail Segment QTY (Position 1500), QTY03 (Data Element 355) by marking the Code Value ‘G8’ (Gigacalories) as Not Used in the ASC X12 Mapping Guidelines (G873NMST (007030)). |
| 1.4.1 | Nomination | MC19017 (11-22-19) | Minor correction to modify the definition of the Transaction Type code value ‘PAL Balancing (148)’ to allow for the transferring of quantities between contracts. |
| 1.4.1 | Nomination | MC19018 (11-22-19) | Minor correction to modify the usage of data element ‘Route’ in the Pathed Non-Threaded – Unthreaded model type to ‘Not Used’. Make corresponding changes to the Data Element Cross Reference to ASC X12 and EDI X12 Transaction Set Tables. |

| Request Cross Reference | | | |
|---|---------------------------|-----------------------|---|
| Standard | Description | Request No. | Action |
| 1.y.z - NAESB WGQ Nominations Related Standards Manual | | | |
| 1.4.1 | Nomination | MC19021 (03-23-20) | Minor correction to add the following code values for the data element 'Transaction Type.' The Code Value Descriptions (Abbreviations) are: Meter Bounce – Loan (Mtr Bounce-Loan), Meter Bounce – Loan Payback (Mtr Bounce-Loan PB), Meter Bounce – Park (Mtr Bounce-Park), and Meter Bounce – Park Withdrawal (Mtr Bounce-Park W/D). Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |
| 1.4.1 | Nomination | R20004 (08-06-20) | Add the data element (abbreviation) 'Capacity Block ID' and corresponding validation codes. Make corresponding changes to the Data Element Cross Reference to ASC X12, EDI X12 Transaction Set Tables and ASC X12 Mapping Guidelines (G873NMST (007030)). |
| 1.4.1 | Nomination | R20006 (08-06-20) | Add the following data elements (abbreviations) 'Contact Person (Name) (Contact Name)', 'Contact Person (Phone) (Contact Phone)', 'Contact Person (Cell) (Contact Cell), and 'Contact After Hours (Phone) (Contact After Hrs Phone). Make corresponding changes to the Data Element Cross Reference to ASC X12 and ASC X12 Mapping Guidelines (G873NMST (007030)). |
| 1.4.2 | Nomination Quick Response | MC19010 (11-22-19) | Minor correction to modify the Condition of the Service Requester Contract to accommodate the Pathed Non-Threaded (Unthreaded) segment. Make corresponding changes to the EDI ASC X12 Mapping Guidelines (G874NMQR (004040)). |
| 1.4.2 | Nomination Quick Response | MC19012 (11-22-19) | Minor correction to accommodate the new data element 'Service Requester Agent'. Make corresponding changes to the the Data Element Cross Reference to ASC X12, EDI ASC X12 Mapping Guidelines (G874NMQR (004040)) and Transaction Set Tables. |
| 1.4.2 | Nomination Quick Response | R20004 (08-06-20) | Add the following validation codes 'ENMQR611', 'ENMQR612' and 'WNMQR561' to the Validation Code (Sub-detail) and in the Errors and Warnings (Sub-detail); Element Name (1271) Validation Code of the EDI X12 Transaction Set Tables. |
| 1.4.2 | Nomination Quick Response | R20006 (08-06-20) | Add the following validation codes 'WNMQR562' and 'WNMQR563' to the Validation Code (Heading) and in the Errors and Warnings (Heading); Element Name (1271) Validation Code of the EDI X12 Transaction Set Tables. |

| Request Cross Reference | | | |
|---|---------------------------|-----------------------|--|
| Standard | Description | Request No. | Action |
| 1.y.z - NAESB WGQ Nominations Related Standards Manual | | | |
| 1.4.2 | Nomination Quick Response | R20007 (08-06-20) | Add the following validation codes 'ENMQR328' and 'ENMQR329' to the Validation Code (Detail) and in the Errors and Warnings (Detail); Element Name (1271) Validation Code of the EDI X12 Transaction Set Tables. |
| 1.4.3 | Request for Confirmation | R17001 (03-26-18) | Modify the Detail Segment QTY (Position 0470), QTY03 (Data Element 355) and Detail Segment SLN (Position 0700), SLN05 (Data Element 355) by marking the Code Value 'G8' (Gigacalories) as Not Used in the ASC X12 Mapping Guidelines (G873RQCF (005020)). |
| 1.4.3 | Request for Confirmation | R18008 (04-29-19) | Add new data element 'Route'. Make corresponding changes to the Data Element Cross Reference to ASC X12, EDI ASC X12 Mapping Guidelines (G873RQCF (005020)) and EDI X12 Transaction Set Tables. |
| 1.4.4 | Confirmation Response | MC17016 (11-27-17) | Add one new code value for the data element 'Reduction Reason.' The Code Value Description (Abbreviation) is Hourly Capacity Reservation Adjustment (HRY). Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |
| 1.4.4 | Confirmation Response | MC17019 (11-27-17) | Add the following code values for the data element 'Reduction Reason.' The Code Value Descriptions (Abbreviations) are as follows: Confirmation Not Conducted by Downstream Confirming Party (No Conf by Dn Conf Pty), Confirmation Not Conducted by Upstream Confirming Party (No Conf by Up Conf Pty), Credit Issues (Credit Issues), EPSQ Override (EPSQ Override), Exceeded Park and Loan Capacity (Exceed Park/Loan Cap), Storage Balance Change (Stor Bal Chng), Storage Ratchet Provision (Stor Rtcht Prov). Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |
| 1.4.4 | Confirmation Response | R17001 (03-26-18) | Modify the Detail Segment QTY (Position 0470), QTY03 (Data Element 355) and Detail Segment SLN (Position 0700), SLN05 (Data Element 355) by marking the Code Value 'G8' (Gigacalories) as Not Used in the ASC X12 Mapping Guidelines (G873RRFC (005020)). |
| 1.4.4 | Confirmation Response | R18008 (04-29-19) | Add new data element 'Route'. Make corresponding changes to the Data Element Cross Reference to ASC X12, EDI ASC X12 Mapping Guidelines (G873RRFC (005020)) and EDI X12 Transaction Set Tables. |

| Request Cross Reference | | | |
|---|---------------------------------|-----------------------|--|
| Standard | Description | Request No. | Action |
| 1.y.z - NAESB WGQ Nominations Related Standards Manual | | | |
| 1.4.5 | Scheduled Quantity | MC17016 (11-27-17) | Add one new code value for the data element 'Reduction Reason.' The Code Value Description (Abbreviation) is Hourly Capacity Reservation Adjustment (HRY). Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |
| 1.4.5 | Scheduled Quantity | MC17017 (11-27-17) | Add one new code value for the data element 'Reduction Reason.' The Code Value Description (Abbreviation) is Storage Minimum Balance Not Met (Stor Min Bal Not Met). Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |
| 1.4.5 | Scheduled Quantity | R17001 (03-26-18) | Modify the Detail Segment SLN (Position 0700), SLN05 (Data Element 355) and Detail Segment QTY (Position 1000 and Position 1500), QTY03 (Data Element 355) by marking the Code Value 'G8' (Gigacalories) as Not Used in the ASC X12 Mapping Guidelines (G873SQTS (007030)). |
| 1.4.5 | Scheduled Quantity | MC19017 (11-22-19) | Minor correction to modify the definition of the Transaction Type code value 'PAL Balancing (148)' to allow for the transferring of quantities between contracts. |
| 1.4.5 | Scheduled Quantity | MC19018 (11-22-19) | Minor correction to modify the usage of data element 'Route' in the Pathed Non-Threaded – Unthreaded model type to 'Not Used'. Make corresponding changes to the Data Element Cross Reference to ASC X12 and EDI X12 Transaction Set Tables. |
| 1.4.5 | Scheduled Quantity | MC19021 (03-23-20) | Minor correction to add the following code values for the data element 'Transaction Type.' The Code Value Descriptions (Abbreviations) are: Meter Bounce – Loan (Mtr Bounce-Loan), Meter Bounce – Loan Payback (Mtr Bounce-Loan PB), Meter Bounce – Park (Mtr Bounce-Park), and Meter Bounce – Park Withdrawal (Mtr Bounce-Park W/D). Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |
| 1.4.6 | Scheduled Quantity for Operator | MC17016 (11-27-17) | Add one new code value for the data element 'Reduction Reason.' The Code Value Description (Abbreviation) is Hourly Capacity Reservation Adjustment (HRY). Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |
| 1.4.6 | Scheduled Quantity for Operator | MC17017 (11-27-17) | Add one new code value for the data element 'Reduction Reason.' The Code Value Description (Abbreviation) is Storage Minimum Balance Not Met (Stor Min Bal Not Met). Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |

| Request Cross Reference | | | |
|---|---------------------------------|-----------------------|---|
| Standard | Description | Request No. | Action |
| 1.y.z - NAESB WGQ Nominations Related Standards Manual | | | |
| 1.4.6 | Scheduled Quantity for Operator | R17001 (03-26-18) | Modify the Detail Segment SLN (Position 0700), SLN05 (Data Element 355) and Detail Segment QTY (Position 0470 and Position 1000), QTY03 (Data Element 355) by marking the Code Value 'G8' (Gigacalories) as Not Used in the ASC X12 Mapping Guidelines (G873SQOP (005020)). |
| 1.4.6 | Scheduled Quantity for Operator | MC19001 (04-29-19) | Correct the EBB Usage of the data element 'Scheduling Status' by adding 'MA'. |
| 1.4.6 | Scheduled Quantity for Operator | R18008 (04-29-19) | Add new data element 'Route'. Make corresponding changes to the Data Element Cross Reference to ASC X12, EDI ASC X12 Mapping Guidelines (G873SQOP (005020)) and EDI X12 Transaction Set Tables. |

| Request Cross Reference | | | |
|---|------------------------------|-----------------------|---|
| Standard | Description | Request No. | Action |
| 2.y.z - NAESB WGQ Flowing Gas Related Standards Manual | | | |
| 2.y.z – Flowing Gas Related Standards Manual | Table of Contents | MC18005 (04-29-19) | Minor correction to move the ‘Version Notes’ to the end of the manual and remove all references to ‘Tabs’ in the Table of Contents and Introduction in the NAESB WGQ Implementation Guides. |
| 2.y.z – Flowing Gas Related Standards Manual | Introduction | MC18005 (04-29-19) | Minor correction to remove all references to ‘Tabs’ in the Table of Contents and Introduction in the NAESB WGQ Implementation Guides. |
| 2.y.z – Flowing Gas Related Standards Manual | Related Standards | MC18005 (04-29-19) | Minor correction to remove the language under ‘ANSI ASC X12 Standards’ that NAESB members may purchase an ANSI reference document through NAESB. |
| 2.4.1 | Pre-determined Allocation | R17001 (03-26-18) | Modify the Detail Segment QTY (Position 1000), QTY03 (Data Element 355) by marking the Code Value ‘G8’ (Gigacalories) as Not Used in the ASC X12 Mapping Guidelines (G873PDAL (006042)). |
| 2.4.1 | Pre-determined Allocation | MC19017 (11-22-19) | Minor correction to modify the definition of the Transaction Type code value ‘PAL Balancing (148)’ to allow for the transferring of quantities between contracts. |
| 2.4.1 | Pre-determined Allocation | MC19021 (03-23-20) | Minor correction to add the following code values for the data element ‘Transaction Type.’ The Code Value Descriptions (Abbreviations) are: Meter Bounce – Loan (Mtr Bounce-Loan), Meter Bounce – Loan Payback (Mtr Bounce-Loan PB), Meter Bounce – Park (Mtr Bounce-Park), and Meter Bounce – Park Withdrawal (Mtr Bounce-Park W/D). Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |
| 2.4.3 | Allocation | R17001 (03-26-18) | Modify the Detail Segment QTY (Position 0470 and Position 1000), QTY03 (Data Element 355) by marking the Code Value ‘G8’ (Gigacalories) as Not Used in the ASC X12 Mapping Guidelines (G873ALLC (006042)). |
| 2.4.3 | Allocation | MC19014 (11-22-19) | Minor correction to modify the usage in the Allocation Transaction Type Matrix for ‘Upstream/Downstream Identifier Code’, ‘Imbalance Period’ and ‘Route’ for Transactions Types 14R, 14D, 15R and 15D. Make corresponding changes to the ASC X12 Mapping Guidelines (G873ALLC (006042)). |

| Request Cross Reference | | | |
|---|---------------------------------|-----------------------|--|
| Standard | Description | Request No. | Action |
| 2.y.z - NAESB WGQ Flowing Gas Related Standards Manual | | | |
| 2.4.3 | Allocation | MC19017 (11-22-19) | Minor correction to modify the definition of the Transaction Type code value 'PAL Balancing (148)' to allow for the transferring of quantities between contracts. |
| 2.4.3 | Allocation | MC19021 (03-23-20) | Minor correction to add the following code values for the data element 'Transaction Type.' The Code Value Descriptions (Abbreviations) are: Meter Bounce – Loan (Mtr Bounce-Loan), Meter Bounce – Loan Payback (Mtr Bounce-Loan PB), Meter Bounce – Park (Mtr Bounce-Park), and Meter Bounce – Park Withdrawal (Mtr Bounce-Park W/D). Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |
| 2.4.4 | Shipper Imbalance | MC19017 (11-22-19) | Minor correction to modify the definition of the Transaction Type code value 'PAL Balancing (148)' to allow for the transferring of quantities between contracts. |
| 2.4.4 | Shipper Imbalance | MC19018 (11-22-19) | Minor correction to modify the usage of data element 'Route' in the Pathed Non-Threaded – Unthreaded model type to 'Not Used'. Make corresponding changes to the Data Element Cross Reference to ASC X12. |
| 2.4.4 | Shipper Imbalance | MC19021 (03-23-20) | Minor correction to add the following code values for the data element 'Transaction Type.' The Code Value Descriptions (Abbreviations) are: Meter Bounce – Loan (Mtr Bounce-Loan), Meter Bounce – Loan Payback (Mtr Bounce-Loan PB), Meter Bounce – Park (Mtr Bounce-Park), and Meter Bounce – Park Withdrawal (Mtr Bounce-Park W/D). Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |
| 2.4.4 | Shipper Imbalance | R19011 (03-23-20) | Modify the ASC X12 Mapping Guideline (G811IMBL (006020) to correct the hierarchical structure of the X12 811 Transaction Set. |
| 2.4.6 | Measured Volume Audit Statement | R17001 (03-26-18) | Modify the Data Dictionary definition for the Business Name (Abbreviation) 'Measured Quantity' (Meas Qty) by removing the reference to gigacalories. Modify the data element 'Unit of Measure' by removing the Code Value Description (Abbreviation) Gigacalories (Gcal). Modify the Detail Segment QTY (Position 1100), QTY03 (Data Element 355) by marking the Code Value 'G8' (Gigacalories) as Not Used in the ASC X12 Mapping Guidelines (G867MAUS (006042)). |
| 2.4.6 | Measured Volume Audit Statement | MC19020 (03-23-20) | Modify the Transaction Set Tables by replacing the MEA Segments (sub-detail) table to separate the data elements 'Component' and 'Unit of Measure.' Add the footnote. |

| Request Cross Reference | | | |
|---|----------------------------------|----------------------|---|
| Standard | Description | Request No. | Action |
| 2.y.z - NAESB WGQ Flowing Gas Related Standards Manual | | | |
| 2.4.9 | Authorization to Post Imbalances | R20007 (08-06-20) | Add new Business Conditional (BC) data element Business Name (Abbreviation) 'Authorized Service Requester Account (Auth Svc Req Acct).' |
| 2.4.10 | Posted Imbalances Download | R20007 (08-06-20) | Add new Sender's Option (SC) data element Business Name (Abbreviation) 'Service Requester Account (Svc Req Acct).' |
| 2.4.11 | Imbalance Trade | R18003 (08-21-18) | Add the new Business Conditional (BC) data element Business Name (Abbreviation) 'Transport Contract (Transp K).' |
| 2.4.11 | Imbalance Trade | R20007 (08-06-20) | Add the following new Business Conditional (BC) data elements Business Names (Abbreviations) 'Account – Confirming Trader (Acct-Conf Trdr)' and 'Account – Initiating Trader (Acct-Init Trdr).' |
| 2.4.17 | Producer Imbalance Statement | R17001 (03-26-18) | Modify the COPAS / NAESB Cross Reference Data Element No. 10 condition for Business Name 'Balancing Units' by removing the reference to Gigacalories. Modify the data element 'Unit of Measure' by removing the Code Value Description (Abbreviation) Gigacalories (Gcal). Modify the Detail Segment QTY (Position 2900), QTY03 (Data Element 355) by marking the Code Value 'G8' (Gigacalories) as Not Used in the ASC X12 Mapping Guidelines (G811PIMB (005010)). |

| Request Cross Reference | | | |
|---|------------------------------|--|---|
| Standard | Description | Request No. | Action |
| 3.y.z - NAESB WGQ Invoicing Related Standards Manual | | | |
| 3.y.z – Invoicing Related Standards Manual | Table of Contents | MC18005 (04-29-19) | Minor correction to move the ‘Version Notes’ to the end of the manual and remove all references to ‘Tabs’ in the Table of Contents and Introduction in the NAESB WGQ Implementation Guides. |
| 3.y.z – Invoicing Related Standards Manual | Introduction | MC18005 (04-29-19) | Minor correction to remove all references to ‘Tabs’ in the Table of Contents and Introduction in the NAESB WGQ Implementation Guides. |
| 3.y.z – Invoicing Related Standards Manual | Related Standards | MC18005 (04-29-19) | Minor correction to remove the language under ‘ANSI ASC X12 Standards’ that NAESB members may purchase an ANSI reference document through NAESB. |
| 3.3.3 | Standard | R17001 (03-26-18) | Modify standard to remove references to gigacalories as the standard quantity for nominations, confirmations and scheduling in Mexico. Add reference to NAESB WGQ Standard No. 1.3.14. |
| 3.3.27 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5 (08-06-20) | Add new standard to provide guidance for the new data set Sale and Purchase Invoice (NAESB WGQ Standard No. 6.4.3). |
| 3.4.1 | Transportation/Sales Invoice | MC17018 (11-27-17) | Add the following code value for the data element ‘Transaction Type.’ The Code Value Description (Abbreviation) is Imbalance Payback to Transportation Service Provider (Imb PB to TSP). Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |
| 3.4.1 | Transportation/Sales Invoice | R17001 (03-26-18) | Modify the Detail Segment IT1 (Position 7700), IT103 (Data Element 355) by marking the Code Value ‘G8’ (Gigacalories) as Not Used in the ASC X12 Mapping Guidelines (G811TSIN (006031)). |
| 3.4.1 | Transportation/Sales Invoice | MC18002 (08-21-18) | Add the following code value for the data element ‘Charge Type.’ The Code Value Description (Abbreviation) is Transportation Deferred Account (Transp Defer Acct). Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |

| Request Cross Reference | | | |
|---|------------------------------|-----------------------|---|
| Standard | Description | Request No. | Action |
| 3.y.z - NAESB WGQ Invoicing Related Standards Manual | | | |
| 3.4.1 | Transportation/Sales Invoice | R18001 (08-21-18) | Modify the data element Business Name (Abbreviation) 'Payee's Bank ABA Number (ABA No)' to read 'Payee's Bank ACH ABA Number (ACH ABA No) and definition. Add the new Sender's Option (SO) data element Business Name (Abbreviation) 'Payee's Bank Wire ABA Number (Wire ABA No). Modify the corresponding EDI X12 Transaction Set Tables, Data Element Cross Reference for ASC X12 (Heading) and ASC X12 Mapping Guidelines (G811TSIN (006031)), as necessary. |
| 3.4.1 | Transportation/Sales Invoice | MC19003 (04-29-19) | Minor correction to correct the usage of data element 'Replacement Shipper Maximum Daily Quantity' in the QTY Segment of the ASC X12 Mapping Guidelines (G811TSIN (006031)). |
| 3.4.1 | Transportation/Sales Invoice | MC19005 (04-29-19) | Minor correction to modify the Data Element Cross Reference for ASC X12 (Heading) by changing the data element 'Contact Person' to 'Contact Person Name' and add the new data element 'Contract Person (Phone)' to the PER Segment. |
| 3.4.1 | Transportation/Sales Invoice | MC19007 (04-29-19) | Minor correction to correct the code value for the Code Value Description (Abbreviation) 'Pass through of fees paid on behalf of the customer for regulatory charges (Pass Thru Reg Chrg)' to read 'REG'. Modify the Transaction Set Table (ITA Segments) by deleting the code values and code value descriptions 'DP1', 'DP2', and 'DPC' for data element 'Charge Type'. |
| 3.4.1 | Transportation/Sales Invoice | MC19017 (11-22-19) | Minor correction to modify the definition of the Transaction Type code value 'PAL Balancing (148)' to allow for the transferring of quantities between contracts. |
| 3.4.1 | Transportation/Sales Invoice | MC19021 (03-23-20) | Minor correction to add the following code values for the data element 'Transaction Type.' The Code Value Descriptions (Abbreviations) are: Meter Bounce – Loan (Mtr Bounce-Loan), Meter Bounce – Loan Payback (Mtr Bounce-Loan PB), Meter Bounce – Park (Mtr Bounce-Park), and Meter Bounce – Park Withdrawal (Mtr Bounce-Park W/D). Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |
| 3.4.1 | Transportation/Sales Invoice | R19011 (03-23-20) | Replace the ASC X12 Mapping Guideline (G811TSIN (006031) to correct the hierarchical structure of the X12 811 Transaction Set. |

| Request Cross Reference | | | |
|---|------------------------------|-----------------------|--|
| Standard | Description | Request No. | Action |
| 3.y.z - NAESB WGQ Invoicing Related Standards Manual | | | |
| 3.4.1 | Transportation/Sales Invoice | R20001 (08-06-20) | Add the data element Business Name (Abbreviation) 'Invoice Notes (Inv Notes).' Modify the corresponding EDI X12 Transaction Set Tables, as necessary. Modify the Data Element Cross Reference for ASC X12 (Heading) and ASC X12 Mapping Guidelines (G811TSIN (006031)), as necessary. |
| 3.4.1 | Transportation/Sales Invoice | MC20003 (08-09-20) | Minor correction to add the Code Value Description (Abbreviation) 'Extended Transport (Extd Transp)' for the data element 'Charge Type.' Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |
| 3.4.1 | Transportation/Sales Invoice | MC20009 (08-09-20) | Minor correction to add the Code Value Description (Abbreviation) 'Unauthorized Underrun (Unauth Undr)' for the data element 'Transaction Type.' Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |
| 3.4.1 | Transportation/Sales Invoice | MC20010 (08-09-20) | Minor correction to add the Code Value Description (Abbreviation) 'State Sales Tax (St Sales Tax)' for the data element 'Service Requester Level Charge/Allowance Amount Descriptor.' Modify the corresponding EDI X12 Transaction Set Tables, as necessary. |
| 3.4.2 | Payment Remittance | R17001 (03-26-18) | Modify the Detail Segment QTY (Position 1940), QTY03 (Data Element 355) by marking the Code Value 'G8' (Gigacalories) as Not Used in the ASC X12 Mapping Guidelines (G820PYRM (004020)). |
| 3.4.2 | Payment Remittance | R18001 (08-21-18) | Modify the data element Business Name (Abbreviation) 'Payee's Bank ABA Number (ABA No)' to read 'Payee's Bank ACH ABA Number (ACH ABA No) and definition. Add the new Business Conditional (BC) data element Business Name (Abbreviation) 'Payee's Bank Wire ABA Number (Wire ABA No). Modify the corresponding Data Element Cross Reference for ASC X12 (Heading) and ASC X12 Mapping Guidelines (G820PYRM (004020)), as necessary. |
| 3.4.2 | Payment Remittance | MC19005 (04-29-19) | Minor correction to modify the Data Element Cross Reference for ASC X12 (Heading) by changing the data element 'Contact Person' to 'Contact Person Name' and add the new data element 'Contract Person (Phone)' to the PER Segment. Modify the ASC X12 Mapping Guidelines (G820PYRM (004020)) by adding the Data Element Note 'The data element maximum length indicated is reduced from that which is specified in the ASC X12 Standards.' for the Detail Segment PER (Position 1200), PER02 and PER04. |

| Request Cross Reference | | | |
|---|--|----------------------|---|
| Standard | Description | Request No. | Action |
| 3.y.z - NAESB WGQ Invoicing Related Standards Manual | | | |
| 3.4.4 | Service Requester Level Charge/Allowance Invoice | R18001 (08-21-18) | Modify the data element Business Name (Abbreviation) 'Payee's Bank ABA Number (ABA No)' to read 'Payee's Bank ACH ABA Number (ACH ABA No) and definition. Add the new Sender's Option (SO) data element Business Name (Abbreviation) 'Payee's Bank Wire ABA Number (Wire ABA No). Modify the corresponding EDI X12 Transaction Set Tables, Data Element Cross Reference for ASC X12 (Heading) and ASC X12 Mapping Guidelines (G811SRCA (006031)), as necessary. |
| 3.4.4 | Service Requester Level Charge/Allowance Invoice | R19011 (03-23-20) | Replace the EDI X12 Transaction Set Table 'REF Segments (Heading)' and modify the ASC X12 Mapping Guidelines (G811SRCA (006031) to correct the hierarchical structure of the X12 811 Transaction Set. |

| Request Cross Reference | | | |
|--|--------------------------------|---|--|
| Standard | Description | Request No. | Action |
| 4.y.z - NAESB WGQ Quadrant Electronic Delivery Mechanism (QEDM) Related Standards | | | |
| 4.y.z – QEDM Related Standards Manual | Table of Contents | MC18005 (04-29-19) | Minor correction to move the ‘Version Notes’ to the end of the manual and remove all references to ‘Tabs’ in the Table of Contents and Introduction in the NAESB WGQ Implementation Guides. |
| 4.y.z – QEDM Related Standards Manual | Introduction | MC18005 (04-29-19) | Minor correction to remove all references to ‘Tabs’ in the Table of Contents and Introduction in the NAESB WGQ Implementation Guides. |
| 4.y.z – QEDM Related Standards Manual | Introduction | WGQ 2019 Annual Plan Item 2 (03-23-20) | Modify the headings of Appendices B and C to read: Appendix B - Minimum Technical Characteristics and Guidelines for the Developer and User of the Customer Activities and Informational Postings Web Sites Appendix C - Minimum Technical Characteristics for EDM Communications Delete Appendix D |
| | Business Process and Practices | WGQ 2019 Annual Plan Items 6.a and 6.b (03-23-20) | Modify language in ‘Security’ sub-section to specify transport layer security to address changes from Sandia National Laboratories surety assessment. |
| | Business Process and Practices | MC20008 (03-23-20) | Minor correction to clean up formatting and correct typos prior to publication. Remove ‘Section D - Quadrant Electronic Delivery Mechanism Related Standards by Function’ in its entirety. |
| 4.1.15 | Standard | WGQ 2019 Annual Plan Items 6.a and 6.b (03-23-20) | Delete principle |
| 4.1.39 | Standard | WGQ 2019 Annual Plan Items 6.a and 6.b (03-23-20) | Delete principle |
| 4.3.16 | Standard | WGQ 2019 Annual Plan Item 2 (03-23-20) | Modify language by changing ‘Appendix C’ to ‘Appendix B.’ |
| 4.3.49 | Standard | R18013 (11-21-19) | Modify standard to allow for processing functions at the line item level on Customer Activities websites and to allow for the use of icons and/or graphical control elements for navigation and/or processing functions. |

| Request Cross Reference | | | |
|--|--------------------|---|--|
| Standard | Description | Request No. | Action |
| 4.y.z - NAESB WGQ Quadrant Electronic Delivery Mechanism (QEDM) Related Standards | | | |
| 4.3.60 | Standard | WGQ 2019 Annual Plan Items 6.a and 6.b (03-23-20) | Modify standard to specify transport layer security to address changes from Sandia National Laboratories surety assessment. |
| 4.3.61 | Standard | WGQ 2019 Annual Plan Items 6.a and 6.b (03-23-20) | Delete standard |
| 4.3.83 | Standard | WGQ 2019 Annual Plan Items 6.a and 6.b (03-23-20) | Delete standard |
| 4.3.84 | Standard | WGQ 2019 Annual Plan Items 6.a and 6.b (03-23-20) | Modify standard to specify transport layer security to address changes from Sandia National Laboratories surety assessment. |
| 4.3.99 | Standard | WGQ 2019 Annual Plan Item 2 (03-23-20) | Modify language by changing 'Appendix C' to 'Appendix B.' |
| 4.3.103 | Standard | WGQ 2019 Annual Plan Item 2 (03-23-20) | Modify language to update the minimum technical characteristics due to changes in technology and provide additional clarity. |
| 4.3.107 | Standard | R17005 (11-15-18) | Add new standard to establish a standard data retention period for retrieval of Operationally Available data from the Informational Posting Website. |
| 4.3.108 | Standard | R17005 (11-15-18) | Add new standard to establish a standard data retention period for retrieval of Notices for the subcategories of Critical, Non-Critical and Planned Service Outage from the Informational Posting Website. |
| 4.3.109 | Standard | WGQ 2019 Annual Plan Items 6.a and 6.b (03-23-20) | Add new standard to address changes from Sandia National Laboratories surety assessment. |
| 4.3.110 | Standard | WGQ 2019 Annual Plan Items 6.a and 6.b (03-23-20) | Add new standard to address changes from Sandia National Laboratories surety assessment. |
| 4.y.z – QEDM Related Standards Manual | Related Standards | MC18005 (04-29-19) | Minor correction to remove the language under 'ANSI ASC X12 Standards' that NAESB members may purchase an ANSI reference document through NAESB. |

| Request Cross Reference | | | |
|--|------------------------------------|---|---|
| Standard | Description | Request No. | Action |
| 4.y.z - NAESB WGQ Quadrant Electronic Delivery Mechanism (QEDM) Related Standards | | | |
| | Technical Implementation - EBB/EDM | R18013 (11-21-19) | Modify the language in ‘The Parts of the Page’ section to allow for processing functions at the line item level on Customer Activities websites and to allow for the use of icons and/or graphical control elements for navigation and/or processing functions in the following sub-sections: <ul style="list-style-type: none"> • Layout on Transactional Pages of Customer Activities Web sites • Navigation on Customer Activities Web Sites • Processing Functions • The Matrix |
| | Technical Implementation - EBB/EDM | WGQ 2019 Annual Plan Items 6.a and 6.b (03-23-20) | Modify language in the following sub-sections to specify transport layer security to address changes from Sandia National Laboratories surety assessment: ‘Login and Encryption’ ‘Introduction’ ‘Authentication’ modified to read ‘Authentication and Encryption’ |
| | Technical Implementation - EBB/EDM | WGQ 2019 Annual Plan Item 2 (03-23-20) | Modify language in sub-section ‘Server Specifications – Ports’ by changing ‘Appendix D’ to Appendix C’ and update the minimum technical characteristics due to changes in technology and provide additional clarity. |
| | Technical Implementation - EBB/EDM | MC20008 (08-09-20) | Minor correction to clean up formatting and correct typos prior to publication. Remove JAVA Section for consistency with the removal from the Appendix. |
| | Technical Implementation – FF/EDM | WGQ 2019 Annual Plan Item 2 (03-23-20) | Modify language to update the minimum technical characteristics due to changes in technology and provide additional clarity. Under ‘Security’ combine the sub-sections ‘Authentication’ and ‘Encryption’ together as ‘Authentication and Encryption’ |
| | Technical Implementation – FF/EDM | MC20008 (08-09-20) | Minor correction to clean up formatting under ‘Security’ and the sub-section ‘Authentication and Encryption’ prior to publication. |
| Appendix A | Reference Guide | WGQ 2019 Annual Plan Items 6.a and 6.b (03-23-20) | Modify appendix to address changes from Sandia National Laboratories surety assessment. |
| Appendix A | Reference Guide | WGQ 2019 Annual Plan Item 2 (03-23-20) | Modify appendix to update the minimum technical characteristics due to changes in technology and provide additional clarity. |
| Appendix A | Reference Guide | MC20008 (08-09-20) | Minor correction to clean up formatting under the ‘HTML’ and ‘Time Synchronization’ sections prior to publication. |

| Request Cross Reference | | | |
|--|---|---|---|
| Standard | Description | Request No. | Action |
| 4.y.z - NAESB WGQ Quadrant Electronic Delivery Mechanism (QEDM) Related Standards | | | |
| Appendix B | Minimum Technical Characteristics and Guidelines for the Developer and User of the Customer Activities Web Site | WGQ 2019 Annual Plan Items 6.a and 6.b (03-23-20) | Modify appendix to address changes from Sandia National Laboratories surety assessment. |
| Appendix B | Minimum Technical Characteristics and Guidelines for the Developer and User of the Customer Activities Web Site | WGQ 2019 Annual Plan Item 2 (03-23-20) | Modify appendix heading and update the minimum technical characteristics due to changes in technology and provide additional clarity. |
| Appendix B | Minimum Technical Characteristics and Guidelines for the Developer and User of the Customer Activities Web Site | MC20008 (08-09-20) | Minor correction to clean up typo under the 'Operating Systems' section prior to publication. |
| Appendix C | Minimum Technical Characteristics for DEM Communications | WGQ 2019 Annual Plan Item 2 (03-23-20) | Modify appendix heading and update the minimum technical characteristics due to changes in technology and provide additional clarity. |
| Appendix D | Minimum Technical Characteristics for DEM Communications | WGQ 2019 Annual Plan Items 6.a and 6.b (03-23-20) | Modify appendix to address changes from Sandia National Laboratories surety assessment. |
| Appendix D | Minimum Technical Characteristics for DEM Communications | WGQ 2019 Annual Plan Item 2 (03-23-20) | Delete appendix. |

| Request Cross Reference | | | |
|---|---|--------------------|--|
| Standard | Description | Request No. | Action |
| 5.y.z - NAESB WGQ Capacity Release Related Standards | | | |
| 5.y.z – Capacity Release Related Standards Manual | Table of Contents | MC18005 (04-29-19) | Minor correction to move the ‘Version Notes’ to the end of the manual and remove all references to ‘Tabs’ in the Table of Contents and Introduction in the NAESB WGQ Implementation Guides. |
| 5.y.z – Capacity Release Related Standards Manual | Introduction | MC18005 (04-29-19) | Minor correction to remove all references to ‘Tabs’ in the Table of Contents and Introduction in the NAESB WGQ Implementation Guides. |
| 5.y.z – Capacity Release Related Standards Manual | Executive Summary | MC19004 (04-29-19) | Minor correction to modify by removing the incorrect references to the use of the Upload of Request for Download of Posted Datasets and Response to Upload of Request for Download of Posted Datasets. |
| 5.y.z – Capacity Release Related Standards Manual | Related Standards | MC18005 (04-29-19) | Minor correction to remove the language under ‘ANSI ASC X12 Standards’ that NAESB members may purchase an ANSI reference document through NAESB. |
| 5.4.15 | Response to Upload of Request for Download of Posted Datasets | MC19004 (04-29-19) | Minor correction to modify the ASC X12 Mapping Guidelines (G846RURD (003040)) by marking the code values ‘T1’, ‘T2’, and ‘T3’ as ‘Not Used’ in the REF01 (Data Element 128) for Detail Segment REF (Position 140). |
| 5.4.16 | System-Wide Notices | MC17015 (11-27-17) | Add one new code value for the data element ‘Notice Type.’ The Code Value Description (Abbreviation) is Imbalance Resolution (Imbal Resol). Modify the EDI X12 Transaction Set Tables, as necessary. |
| 5.4.20 | Transactional Reporting – Capacity Release | R17003 (03-26-16) | Add the new data element (abbreviation) ‘Right to Amend Primary Points Limit (RAPP Limit)’ and Code Value Description (Abbreviation) ‘Three Months (3 Months)’. |
| 5.4.20 | Transactional Reporting – Capacity Release | R17009 (05-31-18) | Add the new data elements (abbreviations) ‘Measurement Basis’, ‘Pressure Base’ and ‘Pressure Base Indicator’ and corresponding Code Value Description(s) (Abbreviation(s)). |
| 5.4.20 | Transactional Reporting – Capacity Release | MC19004 (04-29-19) | Minor correction to modify the language in the Technical Implementation of Business Process, paragraph 2. |

| Request Cross Reference | | | |
|---|--|-----------------------|--|
| Standard | Description | Request No. | Action |
| 5.y.z - NAESB WGQ Capacity Release Related Standards | | | |
| 5.4.20 | Transactional Reporting – Capacity Release | MC20005 (08-09-20) | Minor correction to add the following new Code Value Descriptions (Abbreviations) for the data element ‘Capacity Type Location Indicator’: Maximum Daily Injection Quantity – Additional Quantity 1 (Max Daily Inj Qty Addl 1) and Maximum Daily Injection Quantity – Additional Quantity 2 (Max Daily Inj Qty Addl 2). |
| 5.4.21 | Transactional Reporting – Firm Transportation | R17009 (05-31-18) | Add the new data elements (abbreviations) ‘Measurement Basis’, ‘Pressure Base’ and ‘Pressure Base Indicator’ and corresponding Code Value Description(s) (Abbreviation(s)). |
| 5.4.21 | Transactional Reporting – Firm Transportation | MC19004 (04-29-19) | Minor correction to modify the language in the Technical Implementation of Business Process, paragraph 2. |
| 5.4.21 | Transactional Reporting – Firm Transportation | R20002 (08-06-20) | Add the data element (abbreviation) ‘Location Indicator’ and corresponding Code Value Description(s) (Abbreviation(s)). |
| 5.4.21 | Transactional Reporting – Firm Transportation | MC20005 (08-09-20) | Minor correction to add the following new Code Value Descriptions (Abbreviations) for the data element ‘Capacity Type Location Indicator’: Maximum Daily Injection Quantity – Additional Quantity 1 (Max Daily Inj Qty Addl 1) and Maximum Daily Injection Quantity – Additional Quantity 2 (Max Daily Inj Qty Addl 2). |
| 5.4.22 | Transactional Reporting – Interruptible Transportation | R17009 (05-31-18) | Add the new data elements (abbreviations) ‘Measurement Basis’, ‘Pressure Base’ and ‘Pressure Base Indicator’ and corresponding Code Value Description(s) (Abbreviation(s)). |
| 5.4.22 | Transactional Reporting – Interruptible Transportation | MC19004 (04-29-19) | Minor correction to modify the language in the Technical Implementation of Business Process, paragraph 2. |
| 5.4.24 | Offer | R17001 (03-26-18) | Modify the data element ‘Measurement Basis’ by removing the Code Value Description (Abbreviation) Gigacalories (Gcal). Modify the Detail Segment SDQ (Position 190), SDQ01 (Data Element 355) and Detail Segment TD3 (Position 430), TD306 (Data Element 355) by marking the Code Value ‘G8’ (Gigacalories) as Not Used in the EDI ASC X12 Mapping Guidelines (G840CROF (003040)). |

| Request Cross Reference | | | |
|---|--------------------|-----------------------|---|
| Standard | Description | Request No. | Action |
| 5.y.z - NAESB WGQ Capacity Release Related Standards | | | |
| 5.4.24 | Offer | R17003 (03-26-16) | Add the new data element (abbreviation) 'Right to Amend Primary Points Limit (RAPP Limit)' and Code Value Description (Abbreviation) 'Three Months (3 Months)'. Modify the Data Element Cross Reference to ASC X12, EDI ASC X12 Mapping Guideline (G840CROF (003040)) and EDI X12 Transaction Set Tables Heading PID Segments (Position 190), as necessary. |
| 5.4.24 | Offer | MC19019 (11-22-19) | Minor correction to modify the descriptions of data elements 'Permanent Release Indicator' and 'Releaser Designation of Acceptable Bidding Basis' in the respective EDI X12 Transaction Set Tables. |
| 5.4.24 | Offer | R19016 (08-06-20) | Modify the usage and condition of the data element 'Discount Indicator' and EDI X12 Transaction Set Tables Heading PO1 Segments (Position 235/234 Pairs), as necessary. |
| 5.4.24 | Offer | MC20004 (08-09-20) | Minor correction to add the following new Code Value Descriptions (Abbreviations) for the data element 'Release Type': Receipt Location to Delivery Location (Rec Loc to Del Loc), No-Notice – Bundled (NN Bndld), No-Notice – Storage (NN Stor), and No-Notice – Transportation (NN Transp) and update the EDI X12 Transaction Set Tables, as necessary. |
| 5.4.24 | Offer | MC20005 (08-09-20) | Minor correction to add the following new Code Value Descriptions (Abbreviations) for the data element 'Capacity Type Location Indicator': Maximum Daily Injection Quantity – Additional Quantity 1 (Max Daily Inj Qty Addl 1) and Maximum Daily Injection Quantity – Additional Quantity 2 (Max Daily Inj Qty Addl 2); update the EDI X12 Transaction Set Tables, as necessary. |
| 5.4.25 | Bid | R17001 (03-26-18) | Modify the data element 'Measurement Basis' by removing the Code Value Description (Abbreviation) Gigacalories (Gcal). Modify the Detail Segment SDQ (Position 190), SDQ01 (Data Element 355) and Detail Segment TD3 (Position 510), TD306 (Data Element 355) by marking the Code Value 'G8' (Gigacalories) as Not Used in the EDI ASC X12 Mapping Guidelines (G843CRBR (003040)). |

| Request Cross Reference | | | |
|---|--------------------|-----------------------|---|
| Standard | Description | Request No. | Action |
| 5.y.z - NAESB WGQ Capacity Release Related Standards | | | |
| 5.4.25 | Bid | R17009 (05-31-18) | Add the new data elements (abbreviations) 'Pressure Base', 'Pressure Base Indicator' and corresponding Code Value Description(s) (Abbreviation(s)). Modify the Technical Implementation of Business Process Data Element Quick Guides for Creation of Bid and Bid Download to add 'Pressure Base' and 'Pressure Base Indicator Data'. Make corresponding changes Add a new MEA Segment for the new data elements as Conditional to the Data Element Cross Reference for ASC X12 and make corresponding additions to the EDI ASC X12 Mapping Guidelines (G843CRBR (003040)). |
| 5.4.25 | Bid | MC19002 (04-29-19) | Minor correction to correct the Business Name Abbreviation for data element 'Pressure Base Indicator Description' so it reads 'Pressure Base Indicator Description (Press Base Ind Desc). |
| 5.4.25 | Bid | MC20005 (08-09-20) | Minor correction to add the following new Code Value Descriptions (Abbreviations) for the data element 'Capacity Type Location Indicator': Maximum Daily Injection Quantity – Additional Quantity 1 (Max Daily Inj Qty Addl 1) and Maximum Daily Injection Quantity – Additional Quantity 2 (Max Daily Inj Qty Addl 2); update the EDI X12 Transaction Set Tables, as necessary. |
| 5.4.26 | Award Download | R17001 (03-26-18) | Modify the data element 'Measurement Basis' by removing the Code Value Description (Abbreviation) Gigacalories (Gcal). Modify the Detail Segment SDQ (Position 190), SDQ01 (Data Element 355) and Detail Segment TD3 (Position 510), TD306 (Data Element 355) by marking the Code Value 'G8' (Gigacalories) as Not Used in the EDI ASC X12 Mapping Guidelines (G843CRAN (003040)). |
| 5.4.26 | Award Download | R17003 (03-26-16) | Add the new data element (abbreviation) 'Right to Amend Primary Points Limit (RAPP Limit)' and Code Value Description (Abbreviation) 'Three Months (3 Months)'. Add the new Heading Segment PID (Position 190) to the Data Element Cross Reference to ASC X12, EDI ASC X12 Mapping Guideline (G843CRAN (003040)) and EDI X12 Transaction Set Tables, as necessary. |

| Request Cross Reference | | | |
|---|--------------------|-----------------------|---|
| Standard | Description | Request No. | Action |
| 5.y.z - NAESB WGQ Capacity Release Related Standards | | | |
| 5.4.26 | Award Download | R17009 (05-31-18) | Add the new data elements (abbreviations) 'Pressure Base', 'Pressure Base Indicator' and corresponding Code Value Description(s) (Abbreviation(s)). Modify the Technical Implementation of Business Process Data Element Quick Guide to add 'Pressure Base' and 'Pressure Base Indicator Data'. Make corresponding changes Add a new MEA Segment for the new data elements as Conditional to the Data Element Cross Reference for ASC X12 and make corresponding additions to the EDI ASC X12 Mapping Guidelines (G843CRAN (003040)). |
| 5.4.26 | Award Download | MC18003 (08-21-18) | Modify the EDI ASC X12 Mapping Guideline (G843CRAN (003040)), previously approved in R17003, in the Heading Segment PID (Position 190), the proposed X12 code value was not available in the respective version of the transaction set. |
| 5.4.26 | Award Download | MC19002 (04-29-19) | Minor correction to correct the Business Name Abbreviation for data element 'Pressure Base Indicator Description' so it reads 'Pressure Base Indicator Description (Press Base Ind Desc). |
| 5.4.26 | Award Download | MC19019 (11-22-19) | Minor correction to modify the descriptions of data elements 'Prearranged Deal Indicator' and 'Previously Released Indicator' in the respective EDI X12 Transaction Set Tables. |
| 5.4.26 | Award Download | MC20005 (08-09-20) | Minor correction to add the following new Code Value Descriptions (Abbreviations) for the data element 'Capacity Type Location Indicator': Maximum Daily Injection Quantity – Additional Quantity 1 (Max Daily Inj Qty Addl 1) and Maximum Daily Injection Quantity – Additional Quantity 2 (Max Daily Inj Qty Addl 2); update the EDI X12 Transaction Set Tables, as necessary. |

| Request Cross Reference | | | |
|--|--------------------|---|--|
| Standard | Description | Request No. | Action |
| 6.y.z - NAESB WGQ Contracts Related Standards | | | |
| 6.y.z – Contracts Related Standards Manual | Table of Contents | MC18005 (04-29-19) | Minor correction to move the ‘Version Notes’ to the end of the manual and remove all references to ‘Tabs’ in the Table of Contents and Introduction in the NAESB WGQ Implementation Guides. |
| 6.y.z – Contracts Related Standards Manual | Table of Contents | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Modify by adding the new data set Contract (NAESB WGQ Standard No. 6.4.1). |
| 6.y.z – Contracts Related Standards Manual | Table of Contents | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Modify by adding the new data sets: Transaction Confirmation (NAESB WGQ Standard No. 6.4.2), Sale and Purchase Invoice (NAESB WGQ Standard No. 6.4.3), Sale and Purchase Invoice Response (NAESB WGQ Standard No. 6.4.4) |
| 6.y.z – Contracts Related Standards Manual | Introduction | MC18005 (04-29-19) | Minor correction to remove all references to ‘Tabs’ in the Table of Contents and Introduction in the NAESB WGQ Implementation Guides. |
| 6.y.z – Contracts Related Standards Manual | Introduction | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Modify by adding the new data sets: Transaction Confirmation (NAESB WGQ Standard No. 6.4.2), Sale and Purchase Invoice (NAESB WGQ Standard No. 6.4.3), Sale and Purchase Invoice Response (NAESB WGQ Standard No. 6.4.4) |
| 6.y.z – Contracts Related Standards Manual | Executive Summary | 2017 WGQ Annual Plan Items 5.a and 5.b (11-27-17) | Add new Mexican Addendum (MA) as a NAESB WGQ Contract model to the Base Contract for Sale and Purchase of Natural Gas (NAESB WGQ Standard No. 6.3.1) |
| 6.y.z – Contracts Related Standards Manual | Executive Summary | MC18004 (11-12-18) | Add minor correction reference to Master Agreement for Purchase, Sale or Exchange of Liquid Hydrocarbons (NAESB WGQ Model No. 6.3.5) – adopted December 6, 2012 (Errata dated September 26, 2013, Revised by R15003-Part Two, August 31, 2016, MC18004, November 12, 2018) |
| 6.y.z – Contracts Related Standards Manual | Executive Summary | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Modify by adding the new data set Contract (NAESB WGQ Standard No. 6.4.1). |

| Request Cross Reference | | | |
|--|--------------------------------|--|--|
| Standard | Description | Request No. | Action |
| 6.y.z - NAESB WGQ Contracts Related Standards | | | |
| 6.y.z – Contracts Related Standards Manual | Executive Summary | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Modify language in the first paragraph of the Executive Summary and add the new data sets: Transaction Confirmation (NAESB WGQ Standard No. 6.4.2), Sale and Purchase Invoice (NAESB WGQ Standard No. 6.4.3) and Sale and Purchase Invoice Response (NAESB WGQ Standard No. 6.4.4) |
| 6.y.z – Contracts Related Standards Manual | Business Process and Practices | 2017 WGQ Annual Plan Items 5.a and 5.b (11-27-17) | Add new Mexican Addendum (MA) as a NAESB WGQ Contract model to the Base Contract for Sale and Purchase of Natural Gas (NAESB WGQ Standard No. 6.3.1) |
| 6.y.z – Contracts Related Standards Manual | Business Process and Practices | MC18004 (11-12-18) | Add minor correction reference to Master Agreement for Purchase, Sale or Exchange of Liquid Hydrocarbons (NAESB WGQ Model No. 6.3.5) – adopted December 6, 2012 (Errata dated September 26, 2013, Revised by R15003-Part Two, August 31, 2016, MC18004, November 12, 2018) |
| 6.2.1 | Definition | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Add new definition for “6.3.1 Contract.” |
| 6.2.2 | Definition | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Add new definition for “6.3.1.CA.” |
| 6.2.3 | Definition | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Add new definition for “6.3.1.GAPA.” |
| 6.2.4 | Definition | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Add new definition for “6.3.1.MA.” |
| 6.2.5 | Definition | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Add new definition for “6.3.1.CSA.” |
| 6.2.6 | Definition | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Add new definition for “UR2S (Update Requiring Two Signatures).” |
| 6.2.7 | Definition | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Add new definition for “UR1S (Update Requiring One Signature).” |

| Request Cross Reference | | | |
|--|---|--|---|
| Standard | Description | Request No. | Action |
| 6.y.z - NAESB WGQ Contracts Related Standards | | | |
| 6.2.8 | Definition | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new definition for “6.3.1 Exhibit A” |
| 6.2.9 | Definition | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new definition for “Contracts Related Dataset” |
| 6.3.1 FAQs | Frequently Asked Questions (FAQs) to the NAESB WGQ Base Contract for Sale and Purchase of Natural Gas | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Modify the FAQs for the NAESB Base Contract for Sale and Purchase of Natural Gas in response to WGQ 2020 Annual Plan Item 1 and modifications to implement electronic communications. |
| 6.3.1 | Base Contract for Sale and Purchase of Natural Gas – (2006) | R19006 (11-21-19) | Modify Section 2.31 ‘Spot Price Publication’ of Exhibit A to add ‘Argus Natural Gas Americas VWA’ |
| 6.3.1 | Base Contract for Sale and Purchase of Natural Gas – (2006) | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Modify the 6.3.1 Contract and associated Exhibit A for minor corrections and clarification to implement electronic communications. |
| 6.3.1.CA | Canadian Addendum | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Modify the Canadian Addendum for minor corrections and clarification to implement electronic communications. |
| 6.3.1.MA | Mexican Addendum | 2017 WGQ Annual Plan Items 5.a and 5.b (11-27-17) | Add new Mexican Addendum (MA) as a NAESB WGQ Contract model to the Base Contract for Sale and Purchase of Natural Gas (NAESB WGQ Standard No. 6.3.1) |
| 6.3.1.MA | Mexican Addendum | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Modify the Mexican Addendum for minor corrections and clarification to implement electronic communications. |
| 6.3.5 | WGQ Master Agreement for Purchase, Sale or Exchange of Liquid Hydrocarbons | MC18004 (11-12-18) | Minor correct to correct the existing DISCLAIMER language to remove the reference to ‘sale of natural gas’ and add ‘for the purchase, sale or exchange of liquid hydrocarbons.’ |
| 6.3.100 | Standard | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Add new standard to provide guidance for the new data set Contract (NAESB WGQ Standard No. 6.4.1) |
| 6.3.101 | Standard | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Add new standard to provide guidance for the new data set Contract (NAESB WGQ Standard No. 6.4.1) |

| Request Cross Reference | | | |
|--|--------------------|--|---|
| Standard | Description | Request No. | Action |
| 6.y.z - NAESB WGQ Contracts Related Standards | | | |
| 6.3.101 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Modify by replacing the standard language. |
| 6.3.102 | Standard | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Add new standard to provide guidance for the new data set Contract (NAESB WGQ Standard No. 6.4.1) |
| 6.3.102 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Modify language to correct 'dataset' to lower case as used in the sentence. |
| 6.3.103 | Standard | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Add new standard to provide guidance for the new data set Contract (NAESB WGQ Standard No. 6.4.1) |
| 6.3.103 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Modify language to correct 'dataset' to lower case as used in the sentence. |
| 6.3.104 | Standard | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Add new standard to provide guidance for the new data set Contract (NAESB WGQ Standard No. 6.4.1) |
| 6.3.104 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Modify wording 'representatives who are authorized' by removing 'who are' so it reads 'representatives authorized' |
| 6.3.105 | Standard | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Add new standard to provide guidance for the new data set Contract (NAESB WGQ Standard No. 6.4.1) |
| 6.3.105 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Modify by replacing the standard language. |
| 6.3.106 | Standard | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Add new standard to provide guidance for the new data set Contract (NAESB WGQ Standard No. 6.4.1) |
| 6.3.106 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Modify standard language and replace reference to NAESB WGQ Standard No. 6.4.1 Contract Dataset with 'Contracts Related Dataset'. |

| Request Cross Reference | | | |
|--|--------------------|--|---|
| Standard | Description | Request No. | Action |
| 6.y.z - NAESB WGQ Contracts Related Standards | | | |
| 6.3.107 | Standard | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Add new standard to provide guidance for the new data set Contract (NAESB WGQ Standard No. 6.4.1) |
| 6.3.107 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Modify standard by replacing the reference to NAESB WGQ Standard No. 6.4.1 Contract Dataset with 'Contracts Related Dataset'. |
| 6.3.108 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new data set Transaction Confirmation (NAESB WGQ Standard No. 6.4.2) |
| 6.3.109 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new data set Transaction Confirmation (NAESB WGQ Standard No. 6.4.2) |
| 6.3.110 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new data set Transaction Confirmation (NAESB WGQ Standard No. 6.4.2) |
| 6.3.111 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new data set Transaction Confirmation (NAESB WGQ Standard No. 6.4.2) |
| 6.3.112 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new Contracts Related Dataset(s) |
| 6.3.113 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new data sets: Sale and Purchase Invoice (NAESB WGQ Standard No. 6.4.3), and Sale and Purchase Invoice Response (NAESB WGQ Standard No. 6.4.4) |
| 6.3.114 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new Contracts Related Dataset(s) |
| 6.3.115 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new Contracts Related Dataset(s) |
| 6.3.116 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new Contracts Related Dataset(s) |

| Request Cross Reference | | | |
|--|--------------------------|--|---|
| Standard | Description | Request No. | Action |
| 6.y.z - NAESB WGQ Contracts Related Standards | | | |
| 6.3.117 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new Contracts Related Dataset(s) |
| 6.3.118 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new data sets: Sale and Purchase Invoice (NAESB WGQ Standard No. 6.4.3), and Sale and Purchase Invoice Response (NAESB WGQ Standard No. 6.4.4) |
| 6.3.119 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new data sets: Sale and Purchase Invoice (NAESB WGQ Standard No. 6.4.3), and Sale and Purchase Invoice Response (NAESB WGQ Standard No. 6.4.4) |
| 6.3.120 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new dataset Sale and Purchase Invoice (NAESB WGQ Standard No. 6.4.3) |
| 6.3.121 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new dataset Sale and Purchase Invoice Response (NAESB WGQ Standard No. 6.4.4) |
| 6.3.122 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new dataset Sale and Purchase Invoice (NAESB WGQ Standard No. 6.4.3) |
| 6.3.123 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new dataset Sale and Purchase Invoice (NAESB WGQ Standard No. 6.4.3) |
| 6.3.124 | Standard | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add new standard to provide guidance for the new Contracts Related Dataset(s) |
| 6.4.1 | Contract | R18007-A / 2019 WGQ Annual Plan Item 5 (11-21-19) | Add the new dataset 'Contract' as follows: Technical Implementation of Business Process, Sample Paper Transaction, Data Dictionary, and Code Values. |
| 6.4.1 | Contract | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Modify the Contract dataset as follows: Technical Implementation of Business Process, Sample Paper Transaction, Data Dictionary, and Code Values. |
| 6.4.2 | Transaction Confirmation | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add the new dataset 'Transaction Confirmation' as follows: Technical Implementation of Business Process, Sample Paper Transaction, Data Dictionary, and Code Values. |

| Request Cross Reference | | | |
|--|------------------------------------|--|--|
| Standard | Description | Request No. | Action |
| 6.y.z - NAESB WGQ Contracts Related Standards | | | |
| 6.4.3 | Sale and Purchase Invoice | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add the new dataset 'Sale and Purchase Invoice' as follows: Technical Implementation of Business Process, Sample Paper Transaction, Data Dictionary, and Code Values. |
| 6.4.4 | Sale and Purchase Invoice Response | R18007-B / 2020 WGQ Annual Plan Items 1 and 5.b (08-06-20) | Add the new dataset 'Sale and Purchase Invoice Response' as follows: Technical Implementation of Business Process, Sample Paper Transaction, Data Dictionary, and Code Values. |

| Request Cross Reference | | | |
|---|--------------------------------|--|--|
| Standard | Description | Request No. | Action |
| 10.y.z - NAESB WGQ / REQ / RGQ Internet Electronic Transport | | | |
| 10.y.z – WGQ Internet Electronic Transport Manual | Table of Contents | MC18005 (04-29-19) | Minor correction to move the ‘Version Notes’ to the end of the manual and remove all references to ‘Tabs’ in the Table of Contents and Introduction in the NAESB WGQ Implementation Guides. |
| 10.y.z – WGQ Internet Electronic Transport Manual | Executive Summary | 2019 WGQ Annual Plan Items 6.a and 6.b (03-23-20) | Modify language in ‘Overview of Electronic Transport Life Cycle’ sub-section to specify transport layer security to address changes from Sandia National Laboratories surety assessment. |
| 10.y.z – WGQ Internet Electronic Transport Manual | Introduction | MC18005 (04-29-19) | Minor correction to remove all references to ‘Tabs’ in the Table of Contents, Introduction and Section Headings in the NAESB WGQ IET Implementation Guide. |
| 10.y.z – WGQ Internet Electronic Transport Manual | Business Process and Practices | 2019 WGQ Annual Plan Items 6.a and 6.b (03-23-20) | Modify language in ‘Data Privacy and Encryption’ sub-section to specify transport layer security to address changes from Sandia National Laboratories surety assessment. |
| 10.y.z – WGQ Internet Electronic Transport Manual | Business Process and Practices | 2019 WGQ Annual Plan Items 6.a and 6.b (03-23-20) | Modify language under the heading ‘A. Overview’, in ‘Authentication’ sub-section to specify transport layer security to address changes from Sandia National Laboratories surety assessment. |
| 10.1.7 | Principle | 2019 WGQ Annual Plan Items 6.a and 6.b (03-23-20) | Delete Principle |
| 10.2.33 | Definition | 2019 WGQ Annual Plan Items 6.a and 6.b (03-23-20) | Modify definition by changing ‘SSL’. Secure Sockets Layer’ to ‘TLS’. Transport Layer Security to address changes from Sandia National Laboratories surety assessment. |
| 10.2.34 | Definition | 2019 WGQ Annual Plan Items 6.a and 6.b (03-23-20) | Modify definition to remove hyperlink reference |
| 10.2.39 | Definition | 2019 WGQ Annual Plan Items 6.a and 6.b (03-23-20) | Add new definition ‘OpenPGP’. Open Pretty Good Privacy to address changes from Sandia National Laboratories surety assessment. |

| Request Cross Reference | | | |
|---|--|---|---|
| Standard | Description | Request No. | Action |
| 10.y.z - NAESB WGQ / REQ / RGQ Internet Electronic Transport | | | |
| 10.3.4 | Standard | 2019 WGQ Annual Plan Items 6.a and 6.b (03-23-20) | Modify standard to address changes from Sandia National Laboratories surety assessment. |
| 10.3.15 | Standard | 2019 WGQ Annual Plan Items 6.a and 6.b (03-23-20) | Modify standard to address changes from Sandia National Laboratories surety assessment. |
| 10.3.16 | Standard | 2019 WGQ Annual Plan Items 6.a and 6.b (03-23-20) | Modify standard to specify transport layer security to address changes from Sandia National Laboratories surety assessment. |
| 10.3.25 | Standard | 2019 WGQ Annual Plan Items 6.a and 6.b (03-23-20) | Modify standard to specify transport layer security to address changes from Sandia National Laboratories surety assessment. |
| 10.3.28 | Standard | 2019 WGQ Annual Plan Items 6.a and 6.b (03-23-20) | Add new standard to address changes from Sandia National Laboratories surety assessment. |
| 10.3.29 | Standard | 2019 WGQ Annual Plan Items 6.a and 6.b (03-23-20) | Add new standard to address changes from Sandia National Laboratories surety assessment |
| 10.y.z – WGQ Internet Electronic Transport Manual | Technical Implementation - Internet ET | 2019 WGQ Annual Plan Items 6.a and 6.b (03-23-20) | <p>Modify language in subsections ‘Using an Interactive Browser for Internet ET’ and ‘Authentication’ to specify transport layer security to address changes from Sandia National Laboratories surety assessment.</p> <p>Modify the ‘EXAMPLE: AN X12 File Encrypted with PGP’ –Begin PGP Message – by changing ‘Version: PGP 6.5’ to “Version: PGP 9.0” in all instances.</p> <p>Modify language in subsection ‘Pre-validation before Decryption’ to change ‘PGP’ to ‘PGP/OpenPGP’</p> <p>Modify language in subsection ‘Security’ to change ‘Open PGP’ to ‘OpenPGP’</p> <p>Modify language in subsections ‘Understanding OpenPGP and PGP’, ‘Encryption / Digital Signature’ and ‘OpenPGP or PGP File Encryption’ to address changes from Sandia National Laboratories surety assessment.</p> |

| Request Cross Reference | | | |
|---|--------------------|--|--|
| Standard | Description | Request No. | Action |
| 10.y.z - NAESB WGQ / REQ / RGQ Internet Electronic Transport | | | |
| 10.y.z – WGQ Internet Electronic Transport Manual | Testing Guidelines | 2019 WGQ Annual Plan Items 6.a and 6.b (03-23-20) | Modify language in subsection ‘NAESB Internet TI Test Guidelines’ to change ‘PGP’ to ‘PGP/OpenPGP’ to address changes from Sandia National Laboratories surety assessment. |
| Appendix A | | 2019 WGQ Annual Plan Items 6.a and 6.b (03-23-20) | Modify appendix language to specify transport layer security to address changes from Sandia National Laboratories surety assessment. |

| Request Cross Reference | | | |
|---|--------------------|-----------------------|---|
| Standard | Description | Request No. | Action |
| 11.y.z - NAESB WEQ / WGQ eTariff Related Standards | | | |
| 11.y.z - WGQ eTariff Related Standards Manual | Table of Contents | MC18005 (04-29-19) | Minor correction to move the 'Version Notes' to the end of the manual and remove all references to 'Tabs' in the Table of Contents and Introduction in the NAESB WGQ Implementation Guides. |
| 11.y.z - WGQ eTariff Related Standards Manual | Introduction | MC18005 (04-29-19) | Minor correction to remove all references to 'Tabs' in the Table of Contents, Introduction and Section Headings in the NAESB WGQ IET Implementation Guide. |

Version Cross Reference

The Version Cross Reference lists each NAESB standard number followed by four columns. The column entitled "Intent" explains for the standard whether it is to be used, optional, or to be used with conditions. The "Intent" column is applicable to the current version. The "Intent" column does not apply to definitions and principles, which are shown in the table as shaded. The column entitled "Adopted" identifies for which version the standard was adopted. The last column entitled "Revised" identifies versions where the standard was revised. The language of the standards themselves can be accessed from the NAESB home page (www.naesb.org). With the Version Cross Reference, a determination can be made of all standards that were created or changed for a given version.

For standards that were created in Version 3.2, the "Adopted" column will contain the value "3.2." For standards that were modified in Version 3.2, the "Revised" column will contain the value "3.2." A standard may have multiple revisions specified.

The Version Cross Reference also contains models, which are not standards. Models can be determined by the second of the three numbers, which make up a standard number. Models are numbered "x.5.z", following the above numbering convention.

The versions noted in the version cross reference are:

- 1.0 Denotes this standard was ratified between July 31, 1995 and May 13, 1996, and published on July 31, 1996. These standards were incorporated in FERC No. Order 587 on July 17, 1996.
- 1.1 Denotes this standard was adopted and ratified by membership in Version 1.1 of GISB Standards on September 30, 1996 and published on January 31, 1997. These standards (excluding 1.3.32, 2.3.29, 2.3.30, and 4.3.5) were incorporated in FERC Order No. 587-C on March 4, 1997.
- 1.2 Denotes this standard was adopted and ratified by membership in Version 1.2 of GISB Standards between January 31 and July 31, 1997 and published on July 31, 1997. These standards were incorporated in FERC Order No. 587-G on April 16, 1998.
- 1.3 Denotes this standard was adopted and ratified by membership in Version 1.3 of GISB Standards between July 31, 1997 and July 31, 1998 and published on July 31, 1998. These standards were incorporated in FERC Order No. 587-K issued April 2, 1999.
- 1.4 Denotes this standard was adopted and ratified by membership in Version 1.4 of GISB Standards between July 31, 1998 and August 31, 1999 and published on August 31, 1999. These standards were incorporated in FERC Order No. 587-M issued April 26, 2001.
- 1.5 Denotes this standard was adopted and ratified by membership in Version 1.5 of GISB Standards between August 31, 1999 and June 18, 2001 and published on August 13, 2001. GISB Version 1.5 Standards were

adopted and ratified by membership as NAESB Wholesale Gas Quadrant standards Version 1.5 Standards on April 19, 2002. These standards were incorporated in FERC Order No. 587-O issued May 1, 2002.

- 1.6 Denotes this standard was adopted and ratified by membership in Version 1.6 of NAESB WGQ Standards between June 18, 2001 and June 20, 2002 and published on July 31, 2002. These standards were incorporated in FERC Order No. 587-R issued March 12, 2003.
- 1.7 Denotes this standard was adopted and ratified by membership in Version 1.7 of NAESB WGQ Standards between June 29, 2002 and December 10, 2003 and published on December 31, 2003. These standards were incorporated in FERC Order No. 587-S issued May 9, 2005.
- 1.8 Denotes this standard was adopted and ratified by membership in Version 1.8 of NAESB WGQ Standards between January 1, 2004 and September 4, 2006 and published on September 30, 2006. These standards were incorporated in FERC Order No. 587-T issued February 24, 2009.
- 1.9 Denotes this standard was adopted and ratified by membership in Version 1.9 of NAESB WGQ Standards between September 5, 2006 and September 30, 2009 and published on September 30, 2009. These standards were incorporated in FERC Order No. 587-U issued March 24, 2010.

| Minor Corrections | Effective Date | Minor Corrections | Effective Date |
|--------------------------|-----------------------|--------------------------|-----------------------|
| MC09031 | October 15, 2009 | MC10020 | September 27, 2010 |
| MC10001 | March 31, 2010 | MC10021 | September 27, 2010 |
| MC10002/R09019 | March 31, 2010 | MC10023 | September 27, 2010 |
| MC10003 | March 31, 2010 | MC10025 | September 27, 2010 |
| MC10005 | March 31, 2010 | MC11027 | September 27, 2010 |
| MC10006 | March 31, 2010 | MC09035 | September 27, 2010 |
| MC10008 | March 31, 2010 | MC10030 | October 7, 2010 |
| MC10025 | March 31, 2010 | MC10035 | December 17, 2010 |
| MC10009 | September 27, 2010 | MC11013/MC11014 | June 3, 2011 |
| MC10010 | September 27, 2010 | MC11030 | December 2, 2011 |
| MC10011 | September 27, 2010 | MC12001 | March 30, 2012 |
| MC10014 | September 27, 2010 | MC12004 | March 30, 2012 |
| MC10015 | September 27, 2010 | MC12014 | June 11, 2012 |
| MC10016 | September 27, 2010 | MC12015 | June 11, 2012 |
| MC10017 | September 27, 2010 | MC12023 | September 28, 2012 |
| MC10019 | September 27, 2010 | MC12049 | March 29, 2013 |

- 2.0 Denotes this standard was adopted and ratified by membership in Version 2.0 of NAESB WGQ Standards between October 1, 2009 and November 5, 2010 and published on November 30, 2010. These standards were incorporated in FERC Order No. 587-V issued July 19, 2012.

| Minor Corrections | Effective Date | Minor Corrections | Effective Date |
|--------------------------|-----------------------|--------------------------|-----------------------|
| MC10037 | January 2, 2011 | MC12015 | June 11, 2012 |
| MC10039 | January 2, 2011 | MC12023 | September 28, 2012 |
| MC10041 | February 3, 2011 | MC12024 | September 28, 2012 |
| MC11013/MC11014 | June 3, 2011 | MC12031 | March 29, 2013 |
| MC11016 | June 3, 2011 | MC12046 | March 29, 2013 |
| MC11017 | September 19, 2011 | MC12049 | March 29, 2013 |
| MC11020 | September 19, 2011 | MC13023 | November 26, 2013 |
| MC11022 | September 19, 2011 | MC13027 | March 27, 2014 |
| MC11023 | September 19, 2011 | MC15003 | May 18, 2015 |
| MC11027 | December 2, 2011 | MC15005 | May 18, 2015 |
| MC11030 | December 2, 2011 | MC15009 | June 1, 2015 |
| MC11031 | January 5, 2012 | MC15011 | June 29, 2015 |
| MC12001 | March 30, 2012 | MC15017 | November 25, 2015 |
| MC12004 | March 30, 2012 | MC15018 | November 25, 2015 |
| MC12014 | June 11, 2012 | MC16003 | March 28, 2016 |

- 2.1 Denotes this standard was adopted and ratified by membership in Version 2.1 of NAESB WGQ Standards between November 6, 2010 and April 30, 2013 and published on April 30, 2013.

| Minor Correction | Effective Date | Minor Correction | Effective Date |
|------------------|--------------------|------------------|-------------------|
| MC13016 | September 26, 2013 | MC15003 | May 18, 2015 |
| MC13018 | September 26, 2013 | MC15004 | May 18, 2015 |
| MC13019 | November 26, 2013 | MC15005 | May 18, 2015 |
| MC13023 | November 26, 2013 | MC15017 | November 25, 2015 |
| MC13027 | March 27, 2014 | MC15018 | November 25, 2015 |

3.0 Denotes this standard was adopted and ratified by membership in Version 3.0 of NAESB WGQ Standards between April 30, 2013 and November 14, 2014 and published on November 14, 2014. These standards were incorporated in FERC Order No. 587-W issued October 16, 2015.

| Minor Correction | Effective Date | Minor Correction | Effective Date |
|------------------|-------------------|------------------|-------------------|
| MC14016* | November 24, 2014 | MC15012 | June 29, 2015 |
| MC14017* | November 24, 2014 | MC14024 | November 25, 2015 |
| MC14019* | November 24, 2014 | MC15017 | November 25, 2015 |
| MC14021* | November 24, 2014 | MC15018 | November 25, 2015 |
| MC14022* | November 24, 2014 | MC15021 | November 25, 2015 |
| MC14023* | November 24, 2014 | MC15026 | March 28, 2016 |
| MC14025* | November 24, 2014 | MC15027 | March 28, 2016 |
| MC15003 | May 18, 2015 | MC15028 | March 28, 2016 |
| MC15004 | May 18, 2015 | MC15029 | March 28, 2016 |
| MC15005 | May 18, 2015 | MC16003 | March 28, 2016 |
| MC15009 | June 1, 2015 | MC16005 | March 28, 2016 |

* Minor Corrections containing only the addition of Code Values (Abbreviations).

3.1 Denotes the standard was adopted and ratified by membership in Version 3.1 of NAESB WGQ Standards between November 21, 2014 and September 19, 2017 and published on September 29, 2017.

In Version 3.1, NAESB WGQ deleted the interpretations of standards.

3.2 Denotes the standard was adopted and ratified by membership in Version 3.2 of NAESB WGQ Standards between November 27, 2017 and August 9, 2020 and published on August 15, 2020.

| Standard Number | Description ¹⁸ | Intent ¹⁹ | Adopted | Revised |
|-----------------|--|----------------------|---------|---------|
| 0.1.1 | Generally Applicable Principle | | 1.4 | |
| 0.1.2 | Generally Applicable Principle | | 1.4 | |
| 0.1.3 | Generally Applicable Principle | | 1.8 | |
| 0.2.1 | Gas/Electric Operational Communications Definition | | 1.8 | 2.0 |
| 0.2.2 | Gas/Electric Operational Communications Definition | | 1.8 | 2.0 |
| 0.2.3 | Gas/Electric Operational Communications Definition | | 1.8 | 2.0 |
| 0.2.4 | Gas/Electric Operational Communications Definition | | 2.0 | |

¹⁸ Quadrant Electronic Delivery Mechanism (QEDM), Internet Electronic Transport (IET)

¹⁹ UNC – to be used (Used Not Conditional – no conditionality is present), O – optional, UC – to be used (Used Conditional – conditionally – with the condition that the underlying business function is employed)

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|--|----------------------------|----------------|------------------|
| 0.2.5 | General Applicable Definition | | 3.0 | |
| 0.3.1 | General Applicable Standard | UNC | 1.4 | |
| 0.3.2 | General Applicable Standard | UC | 1.7 | |
| 0.3.3 | Creditworthiness Standard | UNC | 1.7 | |
| 0.3.4 | Creditworthiness Standard | UNC | 1.7 | |
| 0.3.5 | Creditworthiness Standard | UNC | 1.7 | |
| 0.3.6 | Creditworthiness Standard | UNC | 1.7 | |
| 0.3.7 | Creditworthiness Standard | UNC | 1.7 | |
| 0.3.8 | Creditworthiness Standard | UNC | 1.7 | |
| 0.3.9 | Creditworthiness Standard | UNC | 1.7 | |
| 0.3.10 | Creditworthiness Standard | O | 1.7 | |
| 0.3.11 | Gas/Electric Operational Communications Standard | UNC | 1.8 | 2.0 |
| 0.3.12 | Gas/Electric Operational Communications Standard | UNC | 1.8 | 2.0 |
| 0.3.13 | Gas/Electric Operational Communications Standard | UNC | 1.8 | 2.0 |
| 0.3.14 | Gas/Electric Operational Communications Standard | UNC | 1.8 | 2.0 |
| 0.3.15 | Gas/Electric Operational Communications Standard | UNC | 1.8 | 2.0 |
| 0.3.16 | General Applicable Standard | UNC | 1.9 | |
| 0.3.17 | General Applicable Standard | UNC | 1.9 | |
| 0.3.18 | Operating Capacity and Unsubscribed Standard | UNC | 2.0 | 2.1 |
| 0.3.19 | Operating Capacity and Unsubscribed Standard | [deleted] | 2.0 | 2.1 [deleted] |
| 0.3.20 | Operating Capacity and Unsubscribed Standard | UNC | 2.0 | 2.1 |
| 0.3.21 | Operating Capacity and Unsubscribed Standard | UNC | 2.0 | 2.1 |
| 0.3.22 | Operating Capacity and Unsubscribed Standard | UNC | 2.0 | |
| 0.3.23 | Location Data Download Standard | UNC | 2.1 | |
| 0.3.24 | Location Data Download Standard | UNC | 2.1 | |
| 0.3.25 | Location Data Download Standard | UNC | 2.1 | |
| 0.3.26 | Location Data Download Standard | UNC | 2.1 | |
| 0.3.27 | Location Data Download Standard | UNC | 2.1 | |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|--|----------------------------|----------------|---------------------------------|
| 0.3.28 | Location Data Download Standard | UNC | 2.1 | 3.0 |
| 0.3.29 | Location Data Download Standard | UNC | 2.1 | |
| 0.4.1 | Storage Information Datasets – Data Dictionary | UNC | 1.8 | 2.1 3.0 3.1 3.2 |
| 0.4.2 | Operational Capacity Dataset – Data Dictionary | UNC | 2.0 | 2.1 3.0 3.1 3.2 |
| 0.4.3 | Unsubscribed Capacity Dataset – Data Dictionary | UNC | 2.0 | 2.1 3.1 3.2 |
| 0.4.4 | Location Data Download Dataset – Data Dictionary | UNC | 2.1 | 3.0 3.1 3.2 |
| 1.1.1 | Nominations Related Principle | | 1.0 | |
| 1.1.2 | Nominations Related Principle | | 1.0 | |
| 1.1.3 | Nominations Related Principle | | 1.0 | 3.0 |
| 1.1.4 | Nominations Related Principle | | 1.0 | |
| 1.1.5 | Nominations Related Principle | | 1.0 | 3.0 [deleted] |
| 1.1.6 | Nominations Related Principle | | 1.0 | 1.7 [deleted] |
| 1.1.7 | Nominations Related Principle | | 1.0 | 1.5 3.0 [deleted] |
| 1.1.8 | Nominations Related Principle | | 1.0 | 1.7 [deleted] |
| 1.1.9 | Nominations Related Principle | | 1.0 | 1.8 3.0 [deleted] |
| 1.1.10 | Nominations Related Principle | | 1.0 | |
| 1.1.11 | Nominations Related Principle | | 1.0 | |
| 1.1.12 | Nominations Related Principle | | 1.1 | |
| 1.1.13 | Nominations Related Principle | | 1.1 | |
| 1.1.14 | Nominations Related Principle | | 1.1 | |
| 1.1.15 | Nominations Related Principle | | 1.1 | 3.0 |
| 1.1.16 | Nominations Related Principle | | 1.1 | |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---------------------------------|----------------------------|----------------|-------------------|
| 1.1.17 | Nominations Related Principle | | 1.3 | 3.0 [deleted] |
| 1.1.18 | Nominations Related Principle | | 1.3 | 3.0 |
| 1.1.19 | Nominations Related Principle | | 1.3 | 1.7 [deleted] |
| 1.1.20 | Nominations Related Principle | | 1.5 | |
| 1.1.21 | Nominations Related Principle | | 1.5 | |
| 1.1.22 | Nominations Related Principle | | 1.7 | |
| 1.2.1 | Nominations Related Definition | | 1.0 | |
| 1.2.2 | Nominations Related Definition | | 1.0 | 3.0 |
| 1.2.3 | Nominations Related Definition | | 1.0 | |
| 1.2.4 | Nominations Related Definition | | 1.0 | 3.0 |
| 1.2.5 | Nominations Related Definition | | 1.1 | |
| 1.2.6 | Nominations Related Definition | | 1.1 | |
| 1.2.7 | Nominations Related Definition | | 1.1 | 1.3 [deleted] |
| 1.2.8 | Nominations Related Definition | | 1.3 | |
| 1.2.9 | Nominations Related Definition | | 1.3 | |
| 1.2.10 | Nominations Related Definition | | 1.3 | |
| 1.2.11 | Nominations Related Definition | | 1.3 | |
| 1.2.12 | Nominations Related Definition | | 1.3 | |
| 1.2.13 | Nominations Related Definition | | 1.5 | |
| 1.2.14 | Nominations Related Definition | | 1.5 | |
| 1.2.15 | Nominations Related Definition | | 1.5 | |
| 1.2.16 | Nominations Related Definition | | 1.5 | |
| 1.2.17 | Nominations Related Definition | | 1.5 | |
| 1.2.18 | Nominations Related Definition | | 1.5 | |
| 1.2.19 | Nominations Related Definition | | 1.5 | |
| 1.3.1 | Nominations Related Standard | UNC | 1.0 | 3.0 |
| 1.3.2 | Nominations Related Standard | UNC | 1.0 | 1.3 1.5 3.0 |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---------------------------------|----------------------------|----------------|---------------------------------|
| 1.3.3 | Nominations Related Standard | UNC | 1.0 | 1.3 3.0 |
| 1.3.4 | Nominations Related Standard | UNC | 1.0 | 3.0 |
| 1.3.5 | Nominations Related Standard | UNC | 1.0 | 3.0 |
| 1.3.6 | Nominations Related Standard | UNC | 1.0 | |
| 1.3.7 | Nominations Related Standard | UNC | 1.0 | 1.1 |
| 1.3.8 | Nominations Related Standard | UNC | 1.0 | 3.0 |
| 1.3.9 | Nominations Related Standard | UNC | 1.0 | 3.0 |
| 1.3.10 | Nominations Related Standard | [deleted] | 1.0 | 1.3 [deleted] |
| 1.3.11 | Nominations Related Standard | UNC | 1.0 | 3.0 |
| 1.3.12 | Nominations Related Standard | [deleted] | 1.0 | 1.3 [deleted] |
| 1.3.13 | Nominations Related Standard | UNC | 1.0 | 3.0 |
| 1.3.14 | Nominations Related Standard | UNC | 1.0 | 1.1 1.3 3.0 3.2 |
| 1.3.15 | Nominations Related Standard | UC | 1.0 | 3.0 3.2 |
| 1.3.16 | Nominations Related Standard | UC | 1.0 | |
| 1.3.17 | Nominations Related Standard | UNC | 1.0 | |
| 1.3.18 | Nominations Related Standard | UNC | 1.0 | |
| 1.3.19 | Nominations Related Standard | UNC | 1.0 | |
| 1.3.20 | Nominations Related Standard | UNC | 1.0 | 1.3 |
| 1.3.21 | Nominations Related Standard | UNC | 1.0 | |
| 1.3.22 | Nominations Related Standard | UNC | 1.0 | 1.3 3.0 3.1 |
| 1.3.23 | Nominations Related Standard | UNC | 1.0 | 1.1 |
| 1.3.24 | Nominations Related Standard | UNC | 1.1 | 1.3 1.4 |
| 1.3.25 | Nominations Related Standard | UNC | 1.1 | |
| 1.3.26 | Nominations Related Standard | UNC | 1.1 | |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---------------------------------|----------------------------|----------------|--|
| 1.3.27 | Nominations Related Standard | UNC | 1.1 | 1.3 2.1 3.0 3.1 3.2 |
| 1.3.28 | Nominations Related Standard | UC | 1.1 | |
| 1.3.29 | Nominations Related Standard | UC | 1.1 | |
| 1.3.30 | Nominations Related Standard | UC | 1.1 | |
| 1.3.31 | Nominations Related Standard | UNC | 1.1 | |
| 1.3.32 | Nominations Related Standard | UNC | 1.1 | 1.3 1.7 |
| 1.3.33 | Nominations Related Standard | UNC | 1.1 | 3.0 |
| 1.3.34 | Nominations Related Standard | UNC | 1.1 | |
| 1.3.35 | Nominations Related Standard | UNC | 1.3 | |
| 1.3.36 | Nominations Related Standard | UNC | 1.3 | |
| 1.3.37 | Nominations Related Standard | UNC | 1.3 | |
| 1.3.38 | Nominations Related Standard | UNC | 1.3 | |
| 1.3.39 | Nominations Related Standard | UNC | 1.3 | |
| 1.3.40 | Nominations Related Standard | UNC | 1.3 | |
| 1.3.41 | Nominations Related Standard | UNC | 1.3 | 3.0 |
| 1.3.42 | Nominations Related Standard | O | 1.3 | 3.0 |
| 1.3.43 | Nominations Related Standard | UNC | 1.3 | |
| 1.3.44 | Nominations Related Standard | UNC | 1.3 | |
| 1.3.45 | Nominations Related Standard | UNC | 1.3 | 1.9 |
| 1.3.46 | Nominations Related Standard | UNC | 1.3 | |
| 1.3.47 | Nominations Related Standard | [deleted] | 1.4 | 2.1 [deleted] |
| 1.3.48 | Nominations Related Standard | UNC | 1.4 | |
| 1.3.49 | Nominations Related Standard | [deleted] | 1.4 | 2.1 [deleted] |
| 1.3.50 | Nominations Related Standard | [deleted] | 1.4 | 2.1 [deleted] |
| 1.3.51 | Nominations Related Standard | UNC | 1.4 | 3.0 |
| 1.3.52 | Nominations Related Standard | [deleted] | 1.4 | 3.0 [deleted] |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---------------------------------|----------------------------|----------------|--|
| 1.3.53 | Nominations Related Standard | UNC | 1.4 | |
| 1.3.54 | Nominations Related Standard | [deleted] | 1.4 | 1.5 1.8 2.1 [deleted] |
| 1.3.55 | Nominations Related Standard | UNC | 1.4 | 2.1 |
| 1.3.56 | Nominations Related Standard | UNC | 1.4 | |
| 1.3.57 | Nominations Related Standard | [deleted] | 1.4 | 2.1 [deleted] |
| 1.3.58 | Nominations Related Standard | UNC | 1.4 | 2.1 |
| 1.3.59 | Nominations Related Standard | [deleted] | 1.4 | 2.1 [deleted] |
| 1.3.60 | Nominations Related Standard | [deleted] | 1.4 | 1.8 1.9 2.1 [deleted] |
| 1.3.61 | Nominations Related Standard | [deleted] | 1.4 | 1.5 1.8 2.1 [deleted] |
| 1.3.62 | Nominations Related Standard | UNC | 1.4 | |
| 1.3.63 | Nominations Related Standard | [deleted] | 1.4 | 1.5 1.6 1.8 1.9 2.1 [deleted] |
| 1.3.64 | Nominations Related Standard | UNC | 1.5 | |
| 1.3.65 | Nominations Related Standard | UNC | 1.5 | |
| 1.3.66 | Nominations Related Standard | UNC | 1.5 | |
| 1.3.67 | Nominations Related Standard | UNC | 1.5 | |
| 1.3.68 | Nominations Related Standard | UNC | 1.5 | |
| 1.3.69 | Nominations Related Standard | UNC | 1.5 | |
| 1.3.70 | Nominations Related Standard | UNC | 1.5 | |
| 1.3.71 | Nominations Related Standard | UC | 1.5 | |
| 1.3.72 | Nominations Related Standard | UNC | 1.5 | |
| 1.3.73 | Nominations Related Standard | UNC | 1.5 | 2.1 |
| 1.3.74 | Nominations Related Standard | UNC | 1.5 | |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---|----------------------------|----------------|---|
| 1.3.75 | Nominations Related Standard | UNC | 1.5 | |
| 1.3.76 | Nominations Related Standard | UNC | 1.5 | |
| 1.3.77 | Nominations Related Standard | UC | 1.5 | |
| 1.3.78 | Nominations Related Standard | [deleted] | 1.5 | 1.7 [deleted] |
| 1.3.79 | Nominations Related Standard | UNC | 1.4 | |
| 1.3.80 | Nominations Related Standard | UNC | 1.9 | 3.0 |
| 1.3.81 | Nominations Related Standard | UNC | 2.1 | |
| 1.3.82 | Nominations Related Standard | UNC | 3.1 | 3.2 |
| 1.4.1 | Nomination Dataset – Data Dictionary | UNC | 1.0 | 1.2 1.3 1.4 1.5 1.7 1.8 1.9 2.0 2.1 3.0 3.1 3.2 |
| 1.4.2 | Nomination Quick Response Dataset – Data Dictionary | UNC | 1.0 | 1.2 1.3 1.4 1.5 1.7 1.8 1.9 2.0 2.1 3.0 3.1 3.2 |
| 1.4.3 | Request for Confirmation Dataset – Data Dictionary | UNC | 1.0 | 1.2 1.3 1.4 1.5 1.7 1.8 1.9 2.0 2.1 3.0 3.2 |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---|----------------------------|----------------|---|
| 1.4.4 | Confirmation Response Dataset – Data Dictionary | UNC | 1.0 | 1.2 1.3 1.4 1.5 1.7 1.8 1.9 2.1 3.0 3.1 3.2 |
| 1.4.5 | Scheduled Quantity Dataset – Data Dictionary | UNC | 1.0 | 1.2 1.3 1.4 1.5 1.7 1.8 1.9 2.0 2.1 3.0 3.1 3.2 |
| 1.4.6 | Scheduled Quantity for Operator Dataset – Data Dictionary | UNC | 1.2 | 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 3.0 3.1 3.2 |
| 1.4.7 | Confirmation Quick Response Dataset – Data Dictionary | UNC | 1.3 | 1.4 1.5 1.7 1.8 1.9 2.1 3.0 |
| 2.1.1 | Flowing Gas Related Principle | | 1.0 | |
| 2.1.2 | Flowing Gas Related Principle | | 1.1 | |
| 2.1.3 | Flowing Gas Related Principle | | 1.1 | |
| 2.1.4 | Flowing Gas Related Principle | | 1.1 | |
| 2.1.5 | Flowing Gas Related Principle | | 1.5 | 3.0 |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---------------------------------|----------------------------|----------------|-------------------|
| 2.1.6 | Flowing Gas Related Principle | | 1.7 | |
| 2.2.1 | Flowing Gas Related Definition | | 1.1 | |
| 2.2.2 | Flowing Gas Related Definition | | 1.5 | |
| 2.2.3 | Flowing Gas Related Definition | | 1.5 | |
| 2.2.4 | Flowing Gas Related Definition | | 1.7 | 1.8 |
| 2.2.5 | Flowing Gas Related Definition | | 1.7 | 3.0 |
| 2.3.1 | Flowing Gas Related Standard | UNC | 1.0 | |
| 2.3.2 | Flowing Gas Related Standard | UNC | 1.0 | |
| 2.3.3 | Flowing Gas Related Standard | UC | 1.0 | |
| 2.3.4 | Flowing Gas Related Standard | UNC | 1.0 | |
| 2.3.5 | Flowing Gas Related Standard | UNC | 1.0 | 3.0 |
| 2.3.6 | Flowing Gas Related Standard | UNC | 1.0 | |
| 2.3.7 | Flowing Gas Related Standard | UNC | 1.0 | |
| 2.3.8 | Flowing Gas Related Standard | UNC | 1.0 | |
| 2.3.9 | Flowing Gas Related Standard | UNC | 1.0 | 1.1 1.3 3.0 |
| 2.3.10 | Flowing Gas Related Standard | UNC | 1.0 | |
| 2.3.11 | Flowing Gas Related Standard | UNC | 1.0 | |
| 2.3.12 | Flowing Gas Related Standard | UNC | 1.0 | |
| 2.3.13 | Flowing Gas Related Standard | UNC | 1.0 | |
| 2.3.14 | Flowing Gas Related Standard | UNC | 1.0 | 3.0 |
| 2.3.15 | Flowing Gas Related Standard | UC | 1.0 | 3.0 |
| 2.3.16 | Flowing Gas Related Standard | UNC | 1.0 | 1.3 |
| 2.3.17 | Flowing Gas Related Standard | UNC | 1.0 | |
| 2.3.18 | Flowing Gas Related Standard | UNC | 1.0 | |
| 2.3.19 | Flowing Gas Related Standard | UNC | 1.0 | |
| 2.3.20 | Flowing Gas Related Standard | UNC | 1.0 | 1.3 |
| 2.3.21 | Flowing Gas Related Standard | UNC | 1.0 | 1.7 1.8 3.0 |
| 2.3.22 | Flowing Gas Related Standard | UNC | 1.0 | |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---------------------------------|----------------------------|----------------|---------------------------------------|
| 2.3.23 | Flowing Gas Related Standard | UNC | 1.0 | |
| 2.3.24 | Flowing Gas Related Standard | [deleted] | 1.0 | 1.7 [deleted] |
| 2.3.25 | Flowing Gas Related Standard | UC | 1.0 | |
| 2.3.26 | Flowing Gas Related Standard | UNC | 1.0 | 3.0 |
| 2.3.27 | Flowing Gas Related Standard | UNC | 1.0 | |
| 2.3.28 | Flowing Gas Related Standard | UNC | 1.0 | |
| 2.3.29 | Flowing Gas Related Standard | UNC | 1.1 | 1.3 |
| 2.3.30 | Flowing Gas Related Standard | UNC | 1.1 | 1.5 |
| 2.3.31 | Flowing Gas Related Standard | UNC | 1.1 | |
| 2.3.32 | Flowing Gas Related Standard | O | 1.4 | 1.5 2.1 |
| 2.3.33 | Flowing Gas Related Standard | [deleted] | 1.4 | 2.1 [deleted] |
| 2.3.34 | Flowing Gas Related Standard | [deleted] | 1.4 | 1.5 1.9 2.0 2.1 [deleted] |
| 2.3.35 | Flowing Gas Related Standard | [deleted] | 1.4 | 1.8 2.1 [deleted] |
| 2.3.36 | Flowing Gas Related Standard | [deleted] | 1.5 | 1.7 [deleted] |
| 2.3.37 | Flowing Gas Related Standard | [deleted] | 1.5 | 1.7 [deleted] |
| 2.3.38 | Flowing Gas Related Standard | [deleted] | 1.5 | 1.7 [deleted] |
| 2.3.39 | Flowing Gas Related Standard | [deleted] | 1.5 | 1.7 [deleted] |
| 2.3.40 | Flowing Gas Related Standard | UNC | 1.5 | 3.0 |
| 2.3.41 | Flowing Gas Related Standard | UNC | 1.5 | |
| 2.3.42 | Flowing Gas Related Standard | UNC | 1.5 | |
| 2.3.43 | Flowing Gas Related Standard | UNC | 1.5 | |
| 2.3.44 | Flowing Gas Related Standard | O | 1.5 | |
| 2.3.45 | Flowing Gas Related Standard | UNC | 1.5 | |
| 2.3.46 | Flowing Gas Related Standard | UNC | 1.5 | 3.0 |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---|----------------------------|----------------|---|
| 2.3.47 | Flowing Gas Related Standard | UNC | 1.5 | 3.0 |
| 2.3.48 | Flowing Gas Related Standard | UNC | 1.5 | |
| 2.3.49 | Flowing Gas Related Standard | [deleted] | 1.5 | 3.0 [deleted] |
| 2.3.50 | Flowing Gas Related Standard | UC | 1.5 | |
| 2.3.51 | Flowing Gas Related Standard | UNC | 1.7 | 1.8 |
| 2.3.52 | Flowing Gas Related Standard | UC | 1.7 | |
| 2.3.53 | Flowing Gas Related Standard | UC | 1.7 | |
| 2.3.54 | Flowing Gas Related Standard | UNC | 1.7 | |
| 2.3.55 | Flowing Gas Related Standard | UNC | 1.7 | |
| 2.3.56 | Flowing Gas Related Standard | UNC | 1.7 | |
| 2.3.57 | Flowing Gas Related Standard | UNC | 1.7 | |
| 2.3.58 | Flowing Gas Related Standard | UNC | 1.7 | |
| 2.3.59 | Flowing Gas Related Standard | UC | 1.7 | |
| 2.3.60 | Flowing Gas Related Standard | UNC | 1.7 | |
| 2.3.61 | Flowing Gas Related Standard | UNC | 1.7 | |
| 2.3.62 | Flowing Gas Related Standard | UNC | 1.7 | |
| 2.3.63 | Flowing Gas Related Standard | UNC | 1.7 | |
| 2.3.64 | Flowing Gas Related Standard | UNC | 1.7 | |
| 2.3.65 | Flowing Gas Related Standard | UC | 1.8 | |
| 2.3.66 | Flowing Gas Related Standard | UNC | 2.1 | |
| 2.4.1 | Pre-determined Allocation Dataset – Data Dictionary | UNC | 1.0 | 1.2 1.3 1.4 1.5 1.7 1.8 1.9 2.0 2.1 3.0 3.1 3.2 |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|--|----------------------------|----------------|---|
| 2.4.2 | Pre-determined Allocation – Quick Response Dataset – Data Dictionary | UNC | 1.0 | 1.2 1.3 1.4 1.7 1.8 1.9 2.1 3.0 |
| 2.4.3 | Allocation Dataset – Data Dictionary | UNC | 1.0 | 1.2 1.3 1.4 1.5 1.7 1.8 1.9 2.0 2.1 3.0 3.1 3.2 |
| 2.4.4 | Shipper Imbalance Dataset – Data Dictionary | UNC | 1.0 | 1.2 1.3 1.4 1.5 1.7 1.8 1.9 2.0 2.1 3.0 3.1 3.2 |
| 2.4.5 | Measurement Information Dataset – Data Dictionary | UNC | 1.0 | 1.2 1.3 1.4 1.5 1.7 2.1 3.0 |
| 2.4.6 | Measurement Volume Audit Statement Dataset – Data Dictionary | O | 1.2 | 1.3 1.4 1.5 1.7 1.9 2.1 3.0 3.1 3.2 |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---|----------------------------|----------------|--|
| 2.4.7 | Request for Information Dataset – Data Dictionary | UC | 1.5 | 1.7 1.8 1.9 2.1 3.0 |
| 2.4.8 | Response to Request for Information Dataset – Data Dictionary | UC | 1.5 | 1.7 1.8 3.0 |
| 2.4.9 | Authorization to Post Imbalances Dataset – Data Dictionary | UNC | 1.5 | 1.7 2.1 3.0 3.1 3.2 |
| 2.4.10 | Posted Imbalances Download Dataset – Data Dictionary | UNC | 1.5 | 1.7 2.1 3.0 3.2 |
| 2.4.11 | Imbalance Trade Dataset – Data Dictionary | UNC | 1.5 | 1.7 2.1 3.0 3.1 3.2 |
| 2.4.12 | Request for Imbalance Trade Quick Response Dataset – Data Dictionary | [deleted] | 1.5 | 1.7 3.0 [deleted] |
| 2.4.13 | Withdrawal of Request for Imbalance Trade Dataset – Data Dictionary | [deleted] | 1.5 | 1.7 2.1 3.0 [deleted] |
| 2.4.14 | Request for Confirmation of Imbalance Trade Dataset – Data Dictionary | [deleted] | 1.5 | 1.7 2.1 3.0 [deleted] |
| 2.4.15 | Imbalance Trade Confirmation Dataset – Data Dictionary | [deleted] | 1.5 | 1.7 2.1 3.0 [deleted] |
| 2.4.16 | Imbalance Trade Notification Dataset – Data Dictionary | [deleted] | 1.5 | 1.7 2.1 3.0 [deleted] |
| 2.4.17 | Producer Imbalance Statement Dataset – Data Dictionary | UC | 1.8 | 2.1 3.0 3.1 3.2 |
| 2.4.18 | Measurement Events/Alarms Dataset – Data Dictionary | O | 1.8 | 2.1 3.0 |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---------------------------------|----------------------------|----------------|-------------------|
| 3.1.1 | Invoicing Related Principle | | 1.0 | |
| 3.1.2 | Invoicing Related Principle | | 1.0 | |
| 3.2.1 | Invoicing Related Definition | | 1.0 | |
| 3.3.1 | Invoicing Related Standard | [deleted] | 1.0 | 2.1 [deleted] |
| 3.3.2 | Invoicing Related Standard | [deleted] | 1.0 | 3.0 [deleted] |
| 3.3.3 | Invoicing Related Standard | UNC | 1.0 | 3.0 3.2 |
| 3.3.4 | Invoicing Related Standard | UNC | 1.0 | |
| 3.3.5 | Invoicing Related Standard | UNC | 1.0 | |
| 3.3.6 | Invoicing Related Standard | UNC | 1.0 | |
| 3.3.7 | Invoicing Related Standard | UNC | 1.0 | 3.0 |
| 3.3.8 | Invoicing Related Standard | UNC | 1.0 | |
| 3.3.9 | Invoicing Related Standard | UNC | 1.0 | |
| 3.3.10 | Invoicing Related Standard | UNC | 1.0 | |
| 3.3.11 | Invoicing Related Standard | UNC | 1.0 | |
| 3.3.12 | Invoicing Related Standard | UNC | 1.0 | |
| 3.3.13 | Invoicing Related Standard | UNC | 1.0 | |
| 3.3.14 | Invoicing Related Standard | UNC | 1.0 | 3.0 |
| 3.3.15 | Invoicing Related Standard | UNC | 1.0 | 3.0 |
| 3.3.16 | Invoicing Related Standard | UNC | 1.0 | |
| 3.3.17 | Invoicing Related Standard | UNC | 1.0 | 1.4 |
| 3.3.18 | Invoicing Related Standard | UNC | 1.0 | |
| 3.3.19 | Invoicing Related Standard | UNC | 1.0 | |
| 3.3.20 | Invoicing Related Standard | [deleted] | 1.0 | 3.0 [deleted] |
| 3.3.21 | Invoicing Related Standard | UNC | 1.0 | 1.2 |
| 3.3.22 | Invoicing Related Standard | UNC | 1.3 | |
| 3.3.23 | Invoicing Related Standard | UNC | 1.4 | |
| 3.3.24 | Invoicing Related Standard | UNC | 1.4 | |
| 3.3.25 | Invoicing Related Standard | UC | 1.4 | |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---|----------------------------|----------------|---|
| 3.3.26 | Invoicing Related Standard | UC | 1.5 | |
| 3.3.27 | Invoicing Related Standard | UC | 3.2 | |
| 3.4.1 | Transportation/ Sales Invoice Dataset – Data Dictionary | UNC | 1.0 | 1.2 1.3 1.4 1.5 1.7 1.8 1.9 2.0 2.1 3.0 3.1 3.2 |
| 3.4.2 | Payment Remittance Dataset – Data Dictionary | UNC | 1.0 | 1.2 1.3 1.4 1.5 1.7 1.9 2.1 3.0 3.2 |
| 3.4.3 | Statement of Account Dataset – Data Dictionary | UNC | 1.0 | 1.2 1.4 1.7 2.1 3.0 |
| 3.4.4 | Service Requester Level Charge/ Allowance Invoice Dataset – Data Dictionary | UNC | 1.3 | 1.3 1.4 1.5 1.7 1.9 2.0 2.1 3.0 3.2 |
| 4.1.1 | QEDM Related Principle | | 1.0 | 1.6 [deleted] |
| 4.1.2 | QEDM Related Principle | | 1.0 | 1.8 |
| 4.1.3 | QEDM Related Principle | | 1.0 | |
| 4.1.4 | QEDM Related Principle | | 1.0 | |
| 4.1.5 | QEDM Related Principle | | 1.0 | 1.5 [deleted] |
| 4.1.6 | QEDM Related Principle | | 1.0 | 1.8 |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---------------------------------|----------------------------|----------------|--------------------------------|
| 4.1.7 | QEDM Related Principle | | 1.0 | 1.8 |
| 4.1.8 | QEDM Related Principle | | 1.0 | 1.5 [deleted] |
| 4.1.9 | QEDM Related Principle | | 1.0 | 1.8 [deleted] |
| 4.1.10 | QEDM Related Principle | | 1.0 | |
| 4.1.11 | QEDM Related Principle | | 1.0 | 1.6 [deleted] |
| 4.1.12 | QEDM Related Principle | | 1.0 | |
| 4.1.13 | QEDM Related Principle | | 1.0 | |
| 4.1.14 | QEDM Related Principle | | 1.0 | 1.7 [deleted] |
| 4.1.15 | QEDM Related Principle | | 1.1 | 3.2 [deleted] |
| 4.1.16 | QEDM Related Principle | | 1.3 | |
| 4.1.17 | QEDM Related Principle | | 1.3 | |
| 4.1.18 | QEDM Related Principle | | 1.3 | |
| 4.1.19 | QEDM Related Principle | | 1.3 | |
| 4.1.20 | QEDM Related Principle | | 1.3 | |
| 4.1.21 | QEDM Related Principle | | 1.3 | |
| 4.1.22 | QEDM Related Principle | | 1.4 | |
| 4.1.23 | QEDM Related Principle | | 1.4 | |
| 4.1.24 | QEDM Related Principle | | 1.4 | |
| 4.1.25 | QEDM Related Principle | | 1.4 | 1.8 [deleted] |
| 4.1.26 | QEDM Related Principle | | 1.4 | |
| 4.1.27 | QEDM Related Principle | | 1.4 | |
| 4.1.28 | QEDM Related Principle | | 1.4 | |
| 4.1.29 | QEDM Related Principle | | 1.4 | |
| 4.1.30 | QEDM Related Principle | | 1.4 | |
| 4.1.31 | QEDM Related Principle | | 1.4 | 3.0 [deleted] |
| 4.1.32 | QEDM Related Principle | | 1.4 | 2.0 |
| 4.1.33 | QEDM Related Principle | | 1.4 | |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---------------------------------|----------------------------|----------------|-------------------------|
| 4.1.34 | QEDM Related Principle | | 1.4 | |
| 4.1.35 | QEDM Related Principle | | 1.4 | |
| 4.1.36 | QEDM Related Principle | | 1.4 | |
| 4.1.37 | QEDM Related Principle | | 1.4 | |
| 4.1.38 | QEDM Related Principle | | 1.4 | |
| 4.1.39 | QEDM Related Principle | | 1.6 | 1.9 3.2 [deleted] |
| 4.1.40 | QEDM Related Principle | | 1.8 | |
| 4.2.1 | QEDM Related Definition | | 1.3 | 1.8 |
| 4.2.2 | QEDM Related Definition | | 1.3 | |
| 4.2.3 | QEDM Related Definition | | 1.3 | |
| 4.2.4 | QEDM Related Definition | | 1.3 | |
| 4.2.5 | QEDM Related Definition | | 1.3 | |
| 4.2.6 | QEDM Related Definition | | 1.3 | |
| 4.2.7 | QEDM Related Definition | | 1.3 | 1.4 |
| 4.2.8 | QEDM Related Definition | | 1.3 | 1.4 |
| 4.2.9 | QEDM Related Definition | | 1.4 | |
| 4.2.10 | QEDM Related Definition | | 1.4 | |
| 4.2.11 | QEDM Related Definition | | 1.4 | 1.8 |
| 4.2.12 | QEDM Related Definition | | 1.4 | 1.8 |
| 4.2.13 | QEDM Related Definition | | 1.4 | 1.8 |
| 4.2.14 | QEDM Related Definition | | 1.4 | |
| 4.2.15 | QEDM Related Definition | | 1.4 | |
| 4.2.16 | QEDM Related Definition | | 1.4 | |
| 4.2.17 | QEDM Related Definition | | 1.4 | |
| 4.2.18 | QEDM Related Definition | | 1.4 | |
| 4.2.19 | QEDM Related Definition | | 1.4 | |
| 4.2.20 | QEDM Related Definition | | 1.5 | 1.8 |
| 4.3.1 | QEDM Related Standard | UNC | 1.0 | 1.2 1.7 1.8 |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---------------------------------|----------------------------|----------------|--|
| 4.3.2 | QEDM Related Standard | UNC | 1.0 | 1.4 1.7 1.8 3.0 |
| 4.3.3 | QEDM Related Standard | UC | 1.0 | 3.0 |
| 4.3.4 | QEDM Related Standard | [deleted] | 1.0 | 1.1 1.6 3.0 [deleted] |
| 4.3.5 | QEDM Related Standard | [deleted] | 1.1 | 1.8 3.0 [deleted] |
| 4.3.6 | QEDM Related Standard | [deleted] | 1.1 | 1.6 1.8 [deleted] |
| 4.3.7 | QEDM Related Standard | [deleted] | 1.1 | 1.8 [moved to Internet ET] |
| 4.3.8 | QEDM Related Standard | [deleted] | 1.1 | 1.4 1.6 1.8 [moved to Internet ET] |
| 4.3.9 | QEDM Related Standard | [deleted] | 1.1 | 1.4 1.8 [moved to Internet ET] |
| 4.3.10 | QEDM Related Standard | [deleted] | 1.1 | 1.6 1.8 [moved to Internet ET] |
| 4.3.11 | QEDM Related Standard | [deleted] | 1.1 | 1.8 [moved to Internet ET] |
| 4.3.12 | QEDM Related Standard | [deleted] | 1.1 | 1.8 [moved to Internet ET] |
| 4.3.13 | QEDM Related Standard | [deleted] | 1.1 | 1.8 [moved to Internet ET] |
| 4.3.14 | QEDM Related Standard | [deleted] | 1.1 | 1.8 [moved to Internet ET] |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---------------------------------|----------------------------|----------------|--|
| 4.3.15 | QEDM Related Standard | [deleted] | 1.1 | 1.6 1.8 [moved to Internet ET] |
| 4.3.16 | QEDM Related Standard | UNC | 1.2 | 1.3 1.5 1.8 1.9 2.0 3.0 3.2 |
| 4.3.17 | QEDM Related Standard | UNC | 1.3 | |
| 4.3.18 | QEDM Related Standard | UNC | 1.3 | 1.8 |
| 4.3.19 | QEDM Related Standard | [deleted] | 1.3 | 1.8 [deleted] |
| 4.3.20 | QEDM Related Standard | UNC | 1.3 | |
| 4.3.21 | QEDM Related Standard | [deleted] | 1.3 | 1.6 1.8 [deleted] |
| 4.3.22 | QEDM Related Standard | UNC | 1.3 | 1.8 |
| 4.3.23 | QEDM Related Standard | UNC | 1.3 | 1.5 1.6 1.8 1.9 2.0 2.1 3.0 |
| 4.3.24 | QEDM Related Standard | UNC | 1.3 | |
| 4.3.25 | QEDM Related Standard | UNC | 1.3 | 1.8 |
| 4.3.26 | QEDM Related Standard | UNC | 1.3 | 1.9 |
| 4.3.27 | QEDM Related Standard | UNC | 1.3 | |
| 4.3.28 | QEDM Related Standard | UNC | 1.3 | 1.4 2.0 2.1 |
| 4.3.29 | QEDM Related Standard | [deleted] | 1.3 | 1.4 1.9 2.0 2.1 [deleted] |
| 4.3.30 | QEDM Related Standard | UNC | 1.3 | |
| 4.3.31 | QEDM Related Standard | UNC | 1.3 | |
| 4.3.32 | QEDM Related Standard | UNC | 1.3 | 1.9 |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---------------------------------|----------------------------|----------------|----------------------------------|
| 4.3.33 | QEDM Related Standard | UNC | 1.3 | 1.9 |
| 4.3.34 | QEDM Related Standard | UNC | 1.3 | 1.4 |
| 4.3.35 | QEDM Related Standard | UNC | 1.3 | 1.5 2.1 3.0 |
| 4.3.36 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.37 | QEDM Related Standard | [deleted] | 1.4 | 1.8 [moved to Internet ET] |
| 4.3.38 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.39 | QEDM Related Standard | [deleted] | 1.4 | 3.0 [deleted] |
| 4.3.40 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.41 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.42 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.43 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.44 | QEDM Related Standard | O | 1.4 | |
| 4.3.45 | QEDM Related Standard | UNC | 1.4 | 3.0 |
| 4.3.46 | QEDM Related Standard | UNC | 1.4 | 3.0 |
| 4.3.47 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.48 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.49 | QEDM Related Standard | UNC | 1.4 | 3.2 |
| 4.3.50 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.51 | QEDM Related Standard | [deleted] | 1.4 | 2.1 [deleted] |
| 4.3.52 | QEDM Related Standard | UNC | 1.4 | 2.1 |
| 4.3.53 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.54 | QEDM Related Standard | UNC | 1.4 | 1.5 1.9 2.0 3.0 |
| 4.3.55 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.56 | QEDM Related Standard | [deleted] | 1.4 | 2.1 [deleted] |
| 4.3.57 | QEDM Related Standard | UNC | 1.4 | |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---------------------------------|----------------------------|----------------|---|
| 4.3.58 | QEDM Related Standard | O | 1.4 | |
| 4.3.59 | QEDM Related Standard | [deleted] | 1.4 | 2.1 [deleted] |
| 4.3.60 | QEDM Related Standard | UNC | 1.4 | 3.2 |
| 4.3.61 | QEDM Related Standard | [deleted] | 1.4 | 1.6 3.2 [deleted] |
| 4.3.62 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.63 | QEDM Related Standard | [deleted] | 1.4 | 1.8 [deleted] |
| 4.3.64 | QEDM Related Standard | [deleted] | 1.4 | 1.8 [moved to Internet ET] |
| 4.3.65 | QEDM Related Standard | [deleted] | 1.4 | 3.0 [deleted] |
| 4.3.66 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.67 | QEDM Related Standard | UNC | 1.4 | 2.1 |
| 4.3.68 | QEDM Related Standard | O | 1.4 | |
| 4.3.69 | QEDM Related Standard | UNC | 1.4 | 1.9 |
| 4.3.70 | QEDM Related Standard | [deleted] | 1.4 | 1.6 1.8 [moved to Internet ET] |
| 4.3.71 | QEDM Related Standard | [deleted] | 1.4 | 1.8 [moved to Internet ET] |
| 4.3.72 | QEDM Related Standard | O | 1.4 | |
| 4.3.73 | QEDM Related Standard | [deleted] | 1.4 | 2.1 [deleted] |
| 4.3.74 | QEDM Related Standard | [deleted] | 1.4 | 2.1 [deleted] |
| 4.3.75 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.76 | QEDM Related Standard | [deleted] | 1.4 | 2.1 [deleted] |
| 4.3.77 | QEDM Related Standard | [deleted] | 1.4 | 1.5 [deleted] |
| 4.3.78 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.79 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.80 | QEDM Related Standard | UC | 1.4 | 3.1 |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---------------------------------|-------------------------------|----------------|----------------------------------|
| 4.3.81 | QEDM Related Standard | UC | 1.4 | |
| 4.3.82 | QEDM Related Standard | UC | 1.4 | |
| 4.3.83 | QEDM Related Standard | [deleted] | 1.4 | 1.6 3.2 [deleted] |
| 4.3.84 | QEDM Related Standard | UC | 1.4 | 3.2 |
| 4.3.85 | QEDM Related Standard | UNC | 1.4 | |
| 4.3.86 | QEDM Related Standard | UNC | 1.5 | |
| 4.3.87 | QEDM Related Standard | UNC | 1.5 | |
| 4.3.88 | QEDM Related Standard | [deleted] | 1.6 | 1.8 [moved to Internet ET] |
| 4.3.89 | QEDM Related Standard | UNC | 1.8 | |
| 4.3.90 | QEDM Related Standard | UC | 1.8 | 1.9 3.0 |
| 4.3.91 | QEDM Related Standard | UC | 1.8 | |
| 4.3.92 | QEDM Related Standard | UC | 1.8 | 1.9 |
| 4.3.93 | QEDM Related Standard | UC | 1.8 | |
| 4.3.94 | QEDM Related Standard | UNC | 1.9 | |
| 4.3.95 | QEDM Related Standard | UC | 1.9 | |
| 4.3.96 | QEDM Related Standard | UC | 1.9 | |
| 4.3.97 | QEDM Related Standard | UC | 1.9 | |
| 4.3.98 | QEDM Related Standard | UC | 1.9 | |
| 4.3.99 | QEDM Related Standard | UNC | 1.9 | 3.2 |
| 4.3.100 | QEDM Related Standard | UNC | 2.0 | |
| 4.3.101 | QEDM Related Standard | NC | 2.0 | |
| 4.3.102 | QEDM Related Standard | O | 2.0 | |
| 4.3.103 | QEDM Related Standard | UNC | 2.1 | 3.2 |
| 4.3.104 | QEDM Related Standard | NA (Directive to NAESB) | 2.1 | |
| 4.3.105 | QEDM Related Standard | O | 3.0 | |
| 4.3.106 | QEDM Related Standard | O | 3.1 | |
| 4.3.107 | QEDM Related Standard | UNC | 3.2 | |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|-------------------------------------|----------------------------|----------------|---|
| 4.3.108 | QEDM Related Standard | UNC | 3.2 | |
| 4.3.109 | QEDM Related Standard | UNC | 3.2 | |
| 4.3.110 | QEDM Related Standard | O | 3.2 | |
| 5.1.1 | Capacity Release Related Principle | | 1.0 | |
| 5.1.2 | Capacity Release Related Principle | | 1.7 | |
| 5.1.3 | Capacity Release Related Principle | | 1.7 | |
| 5.1.4 | Capacity Release Related Principle | | 1.7 | |
| 5.2.1 | Capacity Release Related Definition | | 1.0 | 2.0 |
| 5.2.2 | Capacity Release Related Definition | | 1.4 | |
| 5.2.3 | Capacity Release Related Definition | | 1.7 | |
| 5.2.4 | Capacity Release Related Definition | | 1.9 | 2.0 |
| 5.2.5 | Capacity Release Related Definition | | 1.9 | 2.0 |
| 5.3.1 | Capacity Release Related Standard | UNC | 1.0 | 1.9 2.0 |
| 5.3.2 | Capacity Release Related Standard | UNC | 1.0 | 1.4 1.5 1.7 1.9 2.0 2.1 3.0 |
| 5.3.3 | Capacity Release Related Standard | UNC | 1.0 | 1.9 2.0 |
| 5.3.4 | Capacity Release Related Standard | UNC | 1.0 | 2.0 |
| 5.3.5 | Capacity Release Related Standard | UNC | 1.0 | 2.0 |
| 5.3.6 | Capacity Release Related Standard | [deleted] | 1.0 | 1.7 [deleted] |
| 5.3.7 | Capacity Release Related Standard | UNC | 1.0 | 1.7 2.0 |
| 5.3.8 | Capacity Release Related Standard | UNC | 1.0 | 2.0 |
| 5.3.9 | Capacity Release Related Standard | UC | 1.0 | 2.0 |
| 5.3.10 | Capacity Release Related Standard | UNC | 1.0 | 2.0 |
| 5.3.11 | Capacity Release Related Standard | UNC | 1.0 | 2.0 |
| 5.3.12 | Capacity Release Related Standard | UNC | 1.0 | 2.0 |
| 5.3.13 | Capacity Release Related Standard | UNC | 1.0 | 2.0 |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|-----------------------------------|----------------------------|----------------|-------------------------|
| 5.3.14 | Capacity Release Related Standard | UNC | 1.0 | 2.0 |
| 5.3.15 | Capacity Release Related Standard | UNC | 1.0 | |
| 5.3.16 | Capacity Release Related Standard | UC | 1.0 | 2.0 |
| 5.3.17 | Capacity Release Related Standard | [deleted] | 1.0 | 2.0 [deleted] |
| 5.3.18 | Capacity Release Related Standard | UNC | 1.0 | |
| 5.3.19 | Capacity Release Related Standard | UNC | 1.0 | 2.0 |
| 5.3.20 | Capacity Release Related Standard | UNC | 1.0 | 2.0 |
| 5.3.21 | Capacity Release Related Standard | UNC | 1.0 | 2.0 |
| 5.3.22 | Capacity Release Related Standard | UNC | 1.0 | 1.1 1.5 |
| 5.3.23 | Capacity Release Related Standard | UNC | 1.0 | |
| 5.3.24 | Capacity Release Related Standard | UNC | 1.0 | 1.5 2.0 |
| 5.3.25 | Capacity Release Related Standard | UNC | 1.0 | 2.0 |
| 5.3.26 | Capacity Release Related Standard | UNC | 1.0 | 1.9 2.0 2.1 |
| 5.3.27 | Capacity Release Related Standard | [deleted] | 1.0 | 2.0 3.0 [deleted] |
| 5.3.28 | Capacity Release Related Standard | UNC | 1.0 | |
| 5.3.29 | Capacity Release Related Standard | UNC | 1.0 | |
| 5.3.30 | Capacity Release Related Standard | [deleted] | 1.2 | 2.0 [deleted] |
| 5.3.31 | Capacity Release Related Standard | UNC | 1.4 | 1.5 2.0 |
| 5.3.32 | Capacity Release Related Standard | UNC | 1.4 | 1.5 2.0 3.0 |
| 5.3.33 | Capacity Release Related Standard | UNC | 1.4 | 1.5 2.0 |
| 5.3.34 | Capacity Release Related Standard | UNC | 1.4 | |
| 5.3.35 | Capacity Release Related Standard | UNC | 1.4 | |
| 5.3.36 | Capacity Release Related Standard | UNC | 1.4 | |
| 5.3.37 | Capacity Release Related Standard | UNC | 1.4 | |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|-----------------------------------|----------------------------|----------------|------------------|
| 5.3.38 | Capacity Release Related Standard | UNC | 1.4 | 2.0 2.1 |
| 5.3.39 | Capacity Release Related Standard | O | 1.4 | |
| 5.3.40 | Capacity Release Related Standard | UNC | 1.4 | |
| 5.3.41 | Capacity Release Related Standard | UNC | 1.4 | 1.7 |
| 5.3.42 | Capacity Release Related Standard | UNC | 1.4 | 1.7 2.0 |
| 5.3.43 | Capacity Release Related Standard | [deleted] | 1.5 | 2.0 [deleted] |
| 5.3.44 | Capacity Release Related Standard | UNC | 1.7 | 3.0 |
| 5.3.45 | Capacity Release Related Standard | UNC | 1.7 | 3.0 |
| 5.3.46 | Capacity Release Related Standard | UNC | 1.7 | |
| 5.3.47 | Capacity Release Related Standard | UNC | 1.7 | |
| 5.3.48 | Capacity Release Related Standard | UNC | 1.7 | 2.0 3.0 |
| 5.3.49 | Capacity Release Related Standard | UNC | 1.7 | 3.0 |
| 5.3.50 | Capacity Release Related Standard | UNC | 1.7 | 2.0 |
| 5.3.51 | Capacity Release Related Standard | UNC | 1.7 | 2.0 |
| 5.3.52 | Capacity Release Related Standard | UNC | 1.7 | |
| 5.3.53 | Capacity Release Related Standard | UNC | 1.7 | 3.0 |
| 5.3.54 | Capacity Release Related Standard | UNC | 1.7 | 3.0 |
| 5.3.55 | Capacity Release Related Standard | UC | 1.7 | |
| 5.3.56 | Capacity Release Related Standard | UC | 1.7 | 3.0 |
| 5.3.57 | Capacity Release Related Standard | UNC | 1.7 | |
| 5.3.58 | Capacity Release Related Standard | UC | 1.7 | |
| 5.3.59 | Capacity Release Related Standard | UNC | 1.7 | |
| 5.3.60 | Capacity Release Related Standard | UNC | 1.7 | 2.0 |
| 5.3.61 | Capacity Release Related Standard | [deleted] | 1.9 | 2.0 [deleted] |
| 5.3.62 | Capacity Release Related Standard | UNC | 1.9 | 2.0 |
| 5.3.62a | Capacity Release Related Standard | UNC | 1.9 | 2.0 |
| 5.3.63 | Capacity Release Related Standard | UC | 1.9 | 2.0 |
| 5.3.64 | Capacity Release Related Standard | UNC | 1.9 | 2.0 |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---|----------------------------|----------------|---|
| 5.3.65 | Capacity Release Related Standard | UNC | 1.9 | 2.0 |
| 5.3.66 | Capacity Release Related Standard | O | 1.9 | 2.0 |
| 5.3.67 | Capacity Release Related Standard | UNC | 1.9 | 2.0 |
| 5.3.68 | Capacity Release Related Standard | UNC | 1.9 | 2.0 |
| 5.3.69 | Capacity Release Related Standard | UC | 1.9 | 2.0 |
| 5.3.70 | Capacity Release Related Standard | UNC | 2.0 | 2.1 |
| 5.3.71 | Capacity Release Related Standard | UNC | 2.0 | 2.1 |
| 5.3.72 | Capacity Release Related Standard | UNC | 2.0 | |
| 5.3.73 | Capacity Release Related Standard | UNC | 3.0 | |
| 5.4.1 | Offer Download Datasets – Data Dictionary | [deleted] | 1.0 | 1.2 1.3 1.5 1.6 1.7 1.8 1.9 2.0 [deleted] |
| 5.4.2 | Bid Download Datasets – Data Dictionary | [deleted] | 1.0 | 1.2 1.3 1.5 1.6 1.7 1.8 1.9 2.0 [deleted] |
| 5.4.3 | Award Download Datasets – Data Dictionary | [deleted] | 1.0 | 1.2 1.3 1.5 1.6 1.7 1.8 1.9 2.0 [deleted] |
| 5.4.4 | Replacement Capacity Datasets – Data Dictionary | [deleted] | 1.0 | 1.2 1.5 1.6 1.7 1.9 2.0 [deleted] |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---|----------------------------|----------------|---|
| 5.4.5 | Withdrawal Download Datasets – Data Dictionary | [deleted] | 1.0 | 1.3 1.5 1.7 1.8 1.9 2.0 [deleted] |
| 5.4.6 | Withdrawal Upload Datasets – Data Dictionary | [deleted] | 1.0 | 1.2 1.3 1.5 1.7 1.9 2.0 [deleted] |
| 5.4.7 | Offer Upload Datasets – Data Dictionary | [deleted] | 1.0 | 1.2 1.3 1.5 1.6 1.7 1.8 1.9 2.0 [deleted] |
| 5.4.8 | Offer Upload Quick Response Datasets – Data Dictionary | [deleted] | 1.0 | 1.2 1.3 1.5 1.6 1.7 1.8 1.9 2.0 [deleted] |
| 5.4.9 | Offer Upload Notification Datasets – Data Dictionary | [deleted] | 1.0 | 1.2 1.3 1.5 1.6 1.7 1.8 1.9 2.0 [deleted] |
| 5.4.10 | Offer Upload Bidder Confirmation Datasets – Data Dictionary | [deleted] | 1.0 | 1.2 1.5 1.7 1.8 1.9 2.0 [deleted] |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---|----------------------------|----------------|--|
| 5.4.11 | Offer Upload Bidder Confirmation Quick Response Datasets – Data Dictionary | [deleted] | 1.0 | 1.2 1.3 1.7 1.8 2.0 [deleted] |
| 5.4.12 | Offer Upload Final Disposition Datasets – Data Dictionary | [deleted] | 1.0 | 1.2 1.5 1.7 1.9 2.0 [deleted] |
| 5.4.13 | Operationally Available and Unsubscribed Capacity Datasets – Data Dictionary | [deleted] | 1.0 | 1.2 1.5 1.6 1.7 1.8 1.9 2.0 [deleted] |
| 5.4.14 | Upload of Request for Download of Posted Datasets – Data Dictionary | UNC | 1.0 | 1.2 1.6 1.7 1.8 1.9 2.0 2.1 3.0 |
| 5.4.15 | Response to Upload of Request for Download of Posted Datasets – Data Dictionary | UNC | 1.0 | 1.2 1.6 1.7 1.8 1.9 2.0 2.1 3.0 3.2 |
| 5.4.16 | System-Wide Notices Dataset – Data Dictionary | UNC | 1.0 | 1.2 1.5 1.7 1.9 2.0 2.1 3.0 3.2 |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|--|----------------------------|----------------|---|
| 5.4.17 | Note/ Special Instruction Dataset – Data Dictionary | UNC | 1.0 | 1.2 1.3 1.5 1.7 1.9 2.0 2.1 3.0 3.1 |
| 5.4.18 | Bid Upload Datasets – Data Dictionary | [deleted] | 1.4 | 1.5 1.6 1.7 1.8 1.9 2.0 [deleted] |
| 5.4.19 | Bid Upload Quick Response Datasets – Data Dictionary | [deleted] | 1.4 | 1.5 1.6 1.7 1.8 1.9 2.0 [deleted] |
| 5.4.20 | Transactional Reporting – Capacity Release Dataset – Data Dictionary | UNC | 1.6 | 1.8 1.9 2.0 2.1 3.0 3.1 3.2 |
| 5.4.21 | Transactional Reporting – Firm Transportation Dataset – Data Dictionary | UNC | 1.6 | 1.8 1.9 2.0 2.1 3.0 3.1 3.2 |
| 5.4.22 | Transactional Reporting – Interruptible Transportation Dataset – Data Dictionary | UNC | 1.6 | 1.8 1.9 2.0 2.1 3.0 3.1 3.2 |
| 5.4.23 | Pre-approved Bidders List Dataset – Data Dictionary | O | 1.8 | 3.0 |
| 5.4.24 | Offer Dataset – Data Dictionary | UNC | 2.0 | 2.1 3.0 3.1 3.2 |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|--|----------------------------|----------------|---|
| 5.4.25 | Bid Dataset – Data Dictionary | UNC | 2.0 | 2.1 3.0 3.1 3.2 |
| 5.4.26 | Award Download Dataset – Data Dictionary | UNC | 2.0 | 2.1 3.0 3.1 3.2 |
| 5.4.27 | Withdrawal Download Dataset – Data Dictionary | UNC | 2.0 | 3.0 |
| 6.2.1 | Contracts Related Definition | | 3.2 | |
| 6.2.2 | Contracts Related Definition | | 3.2 | |
| 6.2.3 | Contracts Related Definition | | 3.2 | |
| 6.2.4 | Contracts Related Definition | | 3.2 | |
| 6.2.5 | Contracts Related Definition | | 3.2 | |
| 6.2.6 | Contracts Related Definition | | 3.2 | |
| 6.2.7 | Contracts Related Definition | | 3.2 | |
| 6.2.8 | Contracts Related Definition | | 3.2 | |
| 6.2.9 | Contracts Related Definition | | 3.2 | |
| 6.3.1 | Base Contract for Sale and Purchase of Natural Gas | O | 1.0 | 1.6 1.8 1.9 2.0 3.1 3.2 |
| 6.3.1.CA | Canadian Addendum to the Base Contract for Sale and Purchase of Natural Gas | O | 1.7 | 1.8 1.9 3.2 |
| 6.3.1.GAPA | Government Acquisition Provisions Addendum to the Base Contract for Sale and Purchase of Natural Gas | O | 2.1 | |
| 6.3.1.MA | Mexican Addendum to the Base Contract for Sale and Purchase of Natural Gas | O | | 3.2 |
| 6.3.2 | Day Trade Interruptible Contract | O | 1.3 | |
| 6.3.3 | Electronic Data Interchange Trading Partner Agreement | UNC | 1.4 | 1.6 1.8 1.9 3.1 |
| 6.3.4 | NAESB Funds Transfer Agent Agreement (Natural Gas) | O | 1.7 | |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|--|----------------------------|----------------|-------------------|
| 6.3.5 | Master Agreement for Purchase, Sale or Exchange of Liquid Hydrocarbons | O | 2.1 | 3.1 3.2 |
| 6.3.100 | Contracts Related Standard | UN | 3.2 | |
| 6.3.101 | Contracts Related Standard | O | 3.2 | |
| 6.3.102 | Contracts Related Standard | UNC | 3.2 | |
| 6.3.103 | Contracts Related Standard | UC | 3.2 | |
| 6.3.104 | Contracts Related Standard | UC | 3.2 | |
| 6.3.105 | Contracts Related Standard | UC | 3.2 | |
| 6.3.106 | Contracts Related Standard | UC | 3.2 | |
| 6.3.107 | Contracts Related Standard | UC | 3.2 | |
| 6.3.108 | Contracts Related Standard | UC | 3.2 | |
| 6.3.109 | Contracts Related Standard | UC | 3.2 | |
| 6.3.110 | Contracts Related Standard | UC | 3.2 | |
| 6.3.111 | Contracts Related Standard | UC | 3.2 | |
| 6.3.112 | Contracts Related Standard | UC | 3.2 | |
| 6.3.113 | Contracts Related Standard | UC | 3.2 | |
| 6.3.114 | Contracts Related Standard | UC | 3.2 | |
| 6.3.115 | Contracts Related Standard | UC | 3.2 | |
| 6.3.116 | Contracts Related Standard | UC | 3.2 | |
| 6.3.117 | Contracts Related Standard | UNC | 3.2 | |
| 6.3.118 | Contracts Related Standard | UC | 3.2 | |
| 6.3.119 | Contracts Related Standard | UNC | 3.2 | |
| 6.3.120 | Contracts Related Standard | UC | 3.2 | |
| 6.3.121 | Contracts Related Standard | UC | 3.2 | |
| 6.3.122 | Contracts Related Standard | UC | 3.2 | |
| 6.3.123 | Contracts Related Standard | UC | 3.2 | |
| 6.3.124 | Contracts Related Standard | UNC | 3.2 | |
| 6.4.1 | Contract – Data Dictionary | UC | 3.2 | |
| 6.4.2 | Transaction Confirmation – Data Dictionary | UC | 3.2 | |
| 6.4.3 | Sale and Purchase Invoice – Data Dictionary | UC | 3.2 | |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---|----------------------------|----------------|--------------------------------|
| 6.4.4 | Sale and Purchase Invoice Response – Data Dictionary | UC | 3.2 | |
| 6.5.1 | Funds Transfer Agent Agreement | [superseded by 6.3.4] | 1.4 | 1.7 [superseded] |
| 6.5.2 | Operational Balancing Agreement | O | 1.4 | 2.1 |
| 6.5.3 | Model Credit Support Addendum to the Base Contract for Sale and Purchase of Natural Gas | O | 1.7 | |
| 6.5.4 | Model ISDA North American Gas Annex | [deleted] | 1.8 | 2.0 [deleted] |
| 10.1.1 | IET Related Principle | | 1.8 | 1.9 |
| 10.1.2 | IET Related Principle | | 1.8 | 1.9 |
| 10.1.3 | IET Related Principle | | 1.8 | 1.9 |
| 10.1.4 | IET Related Principle | | 1.8 | 1.9 |
| 10.1.5 | IET Related Principle | | 1.8 | 1.9 |
| 10.1.6 | IET Related Principle | | 1.8 | 1.9 |
| 10.1.7 | IET Related Principle | | 1.8 | 1.9 3.2 [deleted] |
| 10.1.8 | IET Related Principle | | 1.8 | 1.9 |
| 10.1.9 | IET Related Principle | | 1.8 | 1.9 |
| 10.1.10 | IET Related Principle | | 1.9 | |
| 10.2.1 | IET Related Definition | | 1.8 | 1.9 |
| 10.2.2 | IET Related Definition | | 1.8 | |
| 10.2.3 | IET Related Definition | | 1.8 | |
| 10.2.4 | IET Related Definition | | 1.8 | |
| 10.2.5 | IET Related Definition | | 1.8 | |
| 10.2.6 | IET Related Definition | | 1.8 | |
| 10.2.7 | IET Related Definition | | 1.8 | |
| 10.2.8 | IET Related Definition | | 1.8 | 1.9 2.1 |
| 10.2.9 | IET Related Definition | | 1.8 | |
| 10.2.10 | IET Related Definition | | 1.8 | |
| 10.2.11 | IET Related Definition | | 1.8 | |
| 10.2.12 | IET Related Definition | | 1.8 | |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---------------------------------|----------------------------|----------------|-------------------------|
| 10.2.13 | IET Related Definition | | 1.8 | |
| 10.2.14 | IET Related Definition | | 1.8 | 1.9 |
| 10.2.15 | IET Related Definition | | 1.8 | |
| 10.2.16 | IET Related Definition | | 1.8 | |
| 10.2.17 | IET Related Definition | | 1.8 | |
| 10.2.18 | IET Related Definition | | 1.8 | |
| 10.2.19 | IET Related Definition | | 1.8 | |
| 10.2.20 | IET Related Definition | | 1.8 | |
| 10.2.21 | IET Related Definition | | 1.8 | |
| 10.2.22 | IET Related Definition | | 1.8 | |
| 10.2.23 | IET Related Definition | | 1.8 | |
| 10.2.24 | IET Related Definition | | 1.8 | 1.9 |
| 10.2.25 | IET Related Definition | | 1.8 | |
| 10.2.26 | IET Related Definition | | 1.8 | |
| 10.2.27 | IET Related Definition | | 1.8 | |
| 10.2.28 | IET Related Definition | | 1.8 | |
| 10.2.29 | IET Related Definition | | 1.8 | |
| 10.2.30 | IET Related Definition | | 1.8 | 1.9 2.1 |
| 10.2.31 | IET Related Definition | | 1.8 | |
| 10.2.32 | IET Related Definition | | 1.8 | |
| 10.2.33 | IET Related Definition | | 1.8 | 3.2 |
| 10.2.34 | IET Related Definition | | 1.8 | 3.2 |
| 10.2.35 | IET Related Definition | | 1.8 | |
| 10.2.36 | IET Related Definition | | 1.8 | |
| 10.2.37 | IET Related Definition | | 1.8 | |
| 10.2.38 | IET Related Definition | | 1.8 | |
| 10.2.39 | IET Related Definition | | 3.2 | |
| 10.3.1 | IET Related Standard | UNC | 1.8 | 1.9 |
| 10.3.2 | IET Related Standard | [deleted] | 1.8 | 1.9 3.0 [deleted] |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|---------------------------------|----------------------------|----------------|-------------------|
| 10.3.3 | IET Related Standard | UNC | 1.8 | 1.9 |
| 10.3.4 | IET Related Standard | UNC | 1.8 | 1.9 3.2 |
| 10.3.5 | IET Related Standard | UNC | 1.8 | 1.9 |
| 10.3.6 | IET Related Standard | UNC | 1.8 | |
| 10.3.7 | IET Related Standard | UNC | 1.8 | 1.9 |
| 10.3.8 | IET Related Standard | UNC | 1.8 | 1.9 |
| 10.3.9 | IET Related Standard | UNC | 1.8 | 1.9 |
| 10.3.10 | IET Related Standard | UNC | 1.8 | 1.9 |
| 10.3.11 | IET Related Standard | UNC | 1.8 | 1.9 |
| 10.3.12 | IET Related Standard | UNC | 1.8 | |
| 10.3.13 | IET Related Standard | [deleted] | 1.8 | 1.9 [deleted] |
| 10.3.14 | IET Related Standard | UNC | 1.8 | 1.9 |
| 10.3.15 | IET Related Standard | UNC | 1.8 | 1.9 3.2 |
| 10.3.16 | IET Related Standard | UNC | 1.8 | 3.2 |
| 10.3.17 | IET Related Standard | UNC | 1.8 | 1.9 |
| 10.3.18 | IET Related Standard | UNC | 1.8 | |
| 10.3.19 | IET Related Standard | UNC | 1.8 | 1.9 |
| 10.3.20 | IET Related Standard | UNC | 1.8 | 1.9 |
| 10.3.21 | IET Related Standard | UNC | 1.8 | 1.9 |
| 10.3.22 | IET Related Standard | UC | 1.8 | 1.9 |
| 10.3.23 | IET Related Standard | UNC | 1.8 | 1.9 |
| 10.3.24 | IET Related Standard | UNC | 1.8 | 1.9 |
| 10.3.25 | IET Related Standard | UNC | 1.8 | 1.9 3.2 |
| 10.3.26 | IET Related Standard | UNC | 1.9 | |
| 10.3.27 | IET Related Standard | UNC | 1.9 | |
| 10.3.28 | IET Related Standard | UNC | 3.2 | |
| 10.3.29 | IET Related Standard | O | 3.2 | |
| 11.2.1 | eTariff Related Definition | | 1.9 | |

| Standard Number | Description¹⁸ | Intent¹⁹ | Adopted | Revised |
|------------------------|--|----------------------------|----------------|----------------|
| 11.2.2 | eTariff Related Definition | | 1.9 | |
| 11.2.3 | eTariff Related Definition | | 1.9 | |
| 11.2.4 | eTariff Related Definition | | 1.9 | |
| 11.2.5 | eTariff Related Definition | | 1.9 | |
| 11.3.1 | eTariff Related Standard | UNC | 1.9 | |
| 11.3.2 | eTariff Related Standard | UNC | 1.9 | |
| 11.4.1 | Implementation Guide for Electronic Filing | UNC | 1.9 | 2.0 2.1 |

Appendices:

- A..... Links to Executive Committee Meeting Minutes, Comments and Voting Record
- B..... Links to Ratification Ballot and Results
- C..... List of Transcripts
- D..... NAESB Process for Standards Development
- E..... NAESB WGQ Annual Plans
- F..... Minor Corrections Applied
- G..... Entities with Access to NAESB Standards
- H..... Entities without Recorded Access to the Most Recently Mandated NAESB WGQ Standards,
Version 3.1

| Appendix A – Links to Executive Committee Meeting Minutes, Comments and Voting Records | | | |
|---|---|---|---|
| Date of Meeting | Link to Minutes and Executive Committee Voting Records | Recommendations that Resulted in Version 3.2 Standards or Standard modifications | Link to Comments Submitted During Formal Comment Period |
| 10-26-17 | <p>Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec102617fm.docx</p> | <p>Recommendation to support 2017 WGQ Annual Plan Items 5.a and 5.b – Mexican Addendum or Base Contract: 5.a - Consider and determine if a need for a Mexican Addendum or Base Contract, 5.b. - Develop the Mexican Addendum or Base Contract according to the analysis completed in Item 5.a.</p> <p>Recommendation: https://www.naesb.org/pdf4/wgq_2017_api_5a-b_rec.docx</p> <p>Recommendation August 22, 2017: https://www.naesb.org/pdf4/wgq_2017_api_5a-b_rec_082217.docx</p> <p>Attachment – Exhibit A: https://www.naesb.org/member_login_check.asp?doc=wgq_2017_api_5a-b_rec_082217_attach.docx</p> | <p>Comments Submitted by V. Crockett, WGQ Chairman: https://www.naesb.org/pdf4/wgq_012417_crockett_wgq_chairman.docx</p> <p>Comments Submitted by J. Buccigross, Group 8760: https://www.naesb.org/pdf4/wgq_012417_group8760.docx</p> <p>Late Comments Submitted by M.de la Peza Gandara, CRE: https://www.naesb.org/pdf4/wgq_012417_cre_late.docx</p> <p>WGQ Request for Comments on Comments on Recommendation August 22, 2017: Comments Submitted by R. Figueiredo, Santa Fe Natural Gas https://www.naesb.org/member_login_check.asp?doc=wgq_082217_santa_fe_natural_gas.pdf</p> <p>Exhibit A: Late Comments Submitted by the WGQ Contracts Subcommittee in response to comments from Santa Fe Natural Gas (Redline): https://www.naesb.org/member_login_check.asp?doc=wgq_082217_wgq_contracts_response_santa_fe_natural_gas_late_redline.docx</p> <p>Exhibit A: Late Comments Submitted by the WGQ Contracts Subcommittee in response to comments from Santa Fe Natural Gas (Clean): https://www.naesb.org/member_login_check.asp?doc=wgq_082217_wgq_contracts_response_santa_fe_natural_gas_late_clean.docx</p> |

| Appendix A – Links to Executive Committee Meeting Minutes, Comments and Voting Records | | | |
|--|---|---|---|
| Date of Meeting | Link to Minutes and Executive Committee Voting Records | Recommendations that Resulted in Version 3.2 Standards or Standard modifications | Link to Comments Submitted During Formal Comment Period |
| 02-22-18 | <p>Notational Ballot: https://www.naesb.org/pdf4/wgq_ec020818_ballot.doc</p> <p>Results: https://www.naesb.org/pdf4/wgq_ec020818ballot_results.doc</p> | <p>Recommendation to support Standards Request R17001 – Request to modify NAESB WGQ Standard 1.3.14 and related standards to remove references to gigacalories as the standard quantity for nominations, confirmations and scheduling in Mexico.</p> <p>Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_r17001_rec.docx</p> <p>Recommendation to support Standards Request R17003 – Request to add the data element “Right to Amend Primary Points 3 Month Limit” to NAESB WGQ Standard Nos. 5.4.24 (Offer), 5.4.26 (Award Download), and 5.4.20 (Transactional Reporting – Capacity Release) data sets, and two associated code values.</p> <p>Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_r17003_rec.docx</p> | <p>No Comments Submitted</p> <p>No Comments Submitted</p> |
| 04-26-18 | <p>Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec042618fm.docx</p> | <p>Recommendation to support Standards Request R17009 – Request to add data elements and related code values to accommodate contractual quantities stated on an MCF basis in the following data sets: NAESB WGQ Standard Nos. 5.4.25 (Bid), 5.4.26 (Award Download), 5.4.20 (Transactional Reporting – Capacity Release), 5.4.21 (Transactional Reporting – Firm Transportation), and 5.4.22 (Transactional Reporting – Interruptible Transportation).</p> <p>Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_r17009_rec.docx</p> <p>Recommendation to support Standards Request R17005 - Request to define a NAESB standard time frame for information to be retained on the Informational Postings Website. <i>Remanded back to the WGQ BPS by the WGQ Executive Committee on April 26, 2018 for further review.</i></p> <p>Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_r17005_rec.docx</p> | <p>No Comments Submitted</p> <p>Comments Submitted by P. Connor: https://www.naesb.org/pdf4/wgq_022818_connor.docx</p> |

| Appendix A – Links to Executive Committee Meeting Minutes, Comments and Voting Records | | | |
|--|---|--|--|
| Date of Meeting | Link to Minutes and Executive Committee Voting Records | Recommendations that Resulted in Version 3.2 Standards or Standard modifications | Link to Comments Submitted During Formal Comment Period |
| 08-23-18 | Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec082318fm.docx | <p>Recommendation to support Standards Request R18001 - Request to add the data elements “Payee’s Bank Wire ABA Number” and “Payee’s Bank ACH ABA Number” to the Transportation Sales/Invoice, Payment Remittance, and Service Requester Level Charge / Allowance Invoice.</p> <p>Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_r18001_rec_072318.docx</p> <p>Recommendation to support Standards Request R18003 - Request to add the data elements “Transport Contract” to Imbalance Trade.</p> <p>Recommendation: https://www.naesb.org/pdf4/wgq_R18003_rec_072318.docx</p> | <p>No Comments Submitted</p> <p>No Comments Submitted</p> |
| 10-11-18 | Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec101118fm.docx | <p>Recommendation to support Standards Request R17005 - Request to define a NAESB standard time frame for information to be retained on the Informational Postings Website. <i>Remanded back to the WGQ BPS by the WGQ Executive Committee on April 26, 2018 for further review.</i></p> <p>Recommendation August 23, 2018: https://www.naesb.org/member_login_check.asp?doc=wgq_r17005_rec_082318.docx</p> | No Comments Submitted |
| 03-28-19 | Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec032819fm.docx | <p>Recommendation to support Standards Request R18008 - Request to add existing data element “Route” to the following data set(s): NAESB WGQ Standard No. 1.4.3 – Request for Confirmation, NAESB WGQ Standard No. 1.4.3 – Confirmation Response and NAESB WGQ Standard No. 1.4.6 – Scheduled Quantity for Operator.</p> <p>Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_R18008_rec.docx</p> | No Comments Submitted |

| Appendix A – Links to Executive Committee Meeting Minutes, Comments and Voting Records | | | |
|--|---|---|---|
| Date of Meeting | Link to Minutes and Executive Committee Voting Records | Recommendations that Resulted in Version 3.2 Standards or Standard modifications | Link to Comments Submitted During Formal Comment Period |
| 10-17-19 | <p>Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec101719fm.docx</p> | <p>Recommendation to support Standards Request R18007-A (2019 WGQ Annual Plan Item 5) - to develop a standard digital representation of natural gas trade events, consistent with NAESB WGQ Standard No. 6.3.1 - NAESB Base Contract for Sale and Purchase of Natural Gas, in order to capitalize on smart contract and distributed ledger technologies</p> <p>Recommendation: https://www.naesb.org/pdf4/wgq_r18007-A_rec.doc</p> <p>Attachment A – Executive Summary: https://www.naesb.org/pdf4/wgq_r18007-A_rec_attachA.docx</p> <p>Attachment B – Standards Language: https://www.naesb.org/pdf4/wgq_r18007-A_rec_attachB.docx</p> <p>Attachment C – Datasets: https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-A_rec_attachC.docx</p> <p>Recommendation to support Standards Request R18013 - Request to modify NAESB WGQ Standard No. 4.3.49 to allow for processing functions at the line item level on Customer Activities websites and to allow for the use of icons and/or graphical control elements for navigation and/or processing functions.</p> <p>Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_r18013_rec.docx</p> | <p>Comment Summary Submitted by Cheniere Corpus Christi Liquefaction: https://www.naesb.org/pdf4/wgq_092319_cheniere_corpus_christi_liquefaction.docx</p> <p>Attachment C Redline Mark-up Submitted by Cheniere Corpus Christi Liquefaction: https://www.naesb.org/member_login_check.asp?doc=wgq_092319_cheniere_corpus_christi_liquefaction_attachC.docx</p> <p>Comments Submitted by Enbridge (U.S.) Inc.: https://www.naesb.org/pdf4/wgq_092319_enbridge_us_inc.docx</p> <p>WGQ BPS, EDM and Contracts Subcommittee Chair's Comments - Recommendation R18007-A: https://www.naesb.org/pdf4/wgq_092319_wgq_bps_edm_contracts_chair_comments_rec.doc</p> <p>WGQ BPS, EDM and Contracts Subcommittee Chair's Comments - Recommendation R18007-A, Attachment C: https://www.naesb.org/member_login_check.asp?doc=wgq_092319_wgq_bps_edm_contracts_chair_comments_rec_attachC.docx</p> <p>WGQ BPS, EDM and Contracts Subcommittee Chair's Comments - Recommendation R18007-A, Attachment B: https://www.naesb.org/member_login_check.asp?doc=wgq_092319_wgq_bps_edm_contracts_chair_comments_rec_attachB.docx</p> <p>No Comments Submitted</p> |

| Appendix A – Links to Executive Committee Meeting Minutes, Comments and Voting Records | | | |
|--|--|---|--|
| Date of Meeting | Link to Minutes and Executive Committee Voting Records | Recommendations that Resulted in Version 3.2 Standards or Standard modifications | Link to Comments Submitted During Formal Comment Period |
| | | <p>Recommendation to support Standards Request R19001 - Request to add a Sender's Option data element 'Location Fuel Area' to NAESB WGQ Standard No. 0.4.4 (Location Data Download).</p> <p>Recommendation: https://www.naesb.org/pdf4/wgq_r19001_rec.docx</p> <p>Recommendation to support Standards Request R19006 - Request to change NAESB WGQ Standard No. 6.3.1 Base Contract for Sale and Purchase of Natural Gas, Section 2.25: Spot Price Publication. Argus requests that its Argus Natural Gas Americas service be added as a spot price publication reference.</p> <p>Recommendation: https://www.naesb.org/pdf4/wgq_r19006_rec.docx</p> <p>Attachment – Exhibit A: https://www.naesb.org/member_login_check.asp?doc=wgq_r19006_rec_attach.doc</p> | <p>No Comments Submitted</p> <p>No Comments Submitted</p> |

| Appendix A – Links to Executive Committee Meeting Minutes, Comments and Voting Records | | | |
|---|---|---|---|
| Date of Meeting | Link to Minutes and Executive Committee Voting Records | Recommendations that Resulted in Version 3.2 Standards or Standard modifications | Link to Comments Submitted During Formal Comment Period |
| | | Recommendation to support 2019 WGQ Annual Plan Item 2 - Review minimum technical characteristics in Appendices B, C, and D of the WGQ QEDM Manual, and make changes as appropriate. Recommendation: https://www.naesb.org/pdf4/wgq_2019_api_2_rec.docx Attachment: https://www.naesb.org/member_login_check.asp?doc=wgq_2019_api_2_rec_attachment.docx | Comments Submitted by the WGQ Pipelines: https://www.naesb.org/member_login_check.asp?doc=wgq_012120_wgq_pipelines.docx |

| Appendix A – Links to Executive Committee Meeting Minutes, Comments and Voting Records | | | |
|--|---|--|---|
| Date of Meeting | Link to Minutes and Executive Committee Voting Records | Recommendations that Resulted in Version 3.2 Standards or Standard modifications | Link to Comments Submitted During Formal Comment Period |
| 07-08-20 | Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec070820dm.docx | <p>Recommendation to support Standards Request R19016: Request to Modify usage and condition of 'Discount Indicator' in the Offer. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_r19016_rec.docx</p> <p>Recommendation to support Standards Request R20001: Request to add a Sender's Option data element 'Invoice Notes' to NAESB WGQ Standard No. 3.4.1 (Transportation/Sales Invoice). Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_r20001_rec.docx</p> <p>Recommendation to support Standards Request R20002: Request to add a Sender's Option data element 'Location Indicator' to NAESB WGQ Standard No. 5.4.21 (Transactional Reporting-Firm Transportation). Recommendation: https://www.naesb.org/pdf4/wgq_r20002_rec.docx</p> <p>Recommendation to support R18007-B/2020 WGQ Annual Plan Items 1 and 5.b: Develop standards and definitions for Transaction Confirmation and Sale and Purchase Invoice datasets to support formation of electronic version of transaction confirmation under the Base Contract including fully staffed data dictionary and associated code values. Recommendation: https://www.naesb.org/pdf4/wgq_r18007-B_rec.docx</p> <p>Attachment A - Executive Summary of NAESB WGQ Contracts Standards & Models Manual (Clean): https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachA_clean.docx</p> <p>Attachment A: (Redline): https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachA_redline.docx</p> | <p>No Comments Submitted</p> <p>No Comments Submitted</p> <p>No Comments Submitted</p> <p>No Comments Submitted</p> |

| Appendix A – Links to Executive Committee Meeting Minutes, Comments and Voting Records | | | |
|---|---|---|--|
| Date of Meeting | Link to Minutes and Executive Committee Voting Records | Recommendations that Resulted in Version 3.2 Standards or Standard modifications | Link to Comments Submitted During Formal Comment Period |
| | | <p>Attachment B - Standards Language: for NAESB WGQ Contracts Standards & Models Manual (Clean): https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachB_clean.docx</p> <p>Attachment B: (Redline): https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachB_redline.docx</p> <p>Attachment C - Modified 6.4.1 Contracts Dataset (Clean): https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachC_clean.docx</p> <p>Attachment C: (Redline): https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachC_redline.docx</p> <p>Attachment D - 6.4.2 Transaction Confirmation Dataset: https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachD.docx</p> <p>Attachment E - 6.4.3 Sale and Purchase Invoice Dataset: https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachE.docx</p> <p>Attachment F - 6.4.4 Sale and Purchase Invoice Response Dataset: https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachF.docx</p> <p>Attachment G - 6.3.1 NAESB Base Contract for Sale and Purchase of Natural Gas (NAESB Base Contract) (Clean): https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachG_clean.docx</p> <p>Attachment G: (Redline): https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachG_redline.docx</p> | |

| Appendix A – Links to Executive Committee Meeting Minutes, Comments and Voting Records | | | |
|---|---|--|--|
| Date of Meeting | Link to Minutes and Executive Committee Voting Records | Recommendations that Resulted in Version 3.2 Standards or Standard modifications | Link to Comments Submitted During Formal Comment Period |
| | | <p>Attachment H - 6.3.1.CA Canadian Addendum to the NAESB Base Contract (Clean): https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachH_clean.docx</p> <p>Attachment H: (Redline): https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachH_redline.docx</p> <p>Attachment I - 6.3.1.MA Mexican Addendum to the NAESB Base Contract (Clean): https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachI_clean.docx</p> <p>Attachment I: (Redline): https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachI_redline.docx</p> <p>Attachment J - FAQs for NAESB Base Contract (Clean): https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachJ_clean.doc</p> <p>Attachment J: (Redline): https://www.naesb.org/member_login_check.asp?doc=wgq_r18007-B_rec_attachJ_redline.doc</p> <p>Recommendation to support Standards Request R20004: Request new data element Capacity Block ID in the Nomination (NAESB WGQ Standard No. 1.4.1) so that is based upon the business condition of the Transportation Service Provider receiving the nomination. Add necessary validation codes in the Nomination Quick Response (NAESB WGQ Standard No. 1.4.2), as needed. Additionally, modify (as appropriate) the nomination key in NAESB WGQ Standard No. 1.3.27.</p> <p>Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_r20004_rec.docx</p> | No Comments Submitted |

| Appendix A – Links to Executive Committee Meeting Minutes, Comments and Voting Records | | | |
|---|---|---|--|
| Date of Meeting | Link to Minutes and Executive Committee Voting Records | Recommendations that Resulted in Version 3.2 Standards or Standard modifications | Link to Comments Submitted During Formal Comment Period |
| | | <p>Recommendation to support Standards Request R20005: Request to add a Sender's Option data element 'Call Days Remaining' to NAESB WGQ Standard No. 0.4.1 (Storage Information).</p> <p>Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_r20005_rec.docx</p> | No Comments Submitted |
| | | <p>Recommendation to support Standards Request R20006: Request to add four mutually agreeable data elements for Nomination Contact information to NAESB WGQ Standard No. 1.4.1 (Nomination).</p> <p>Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_r20006_rec.docx</p> | No Comments Submitted |
| | | <p>Recommendation to support Standards Request R20007: Request to add the following new data elements: Authorized Service Requester Account in the Authorization to Post Imbalances (NAESB WGQ Standard No. 2.4.9), Service Requester Account in the Posted Imbalances Download (NAESB WGQ Standard 2.4.10), Account - Confirming Trader in the Imbalance Trade (NAESB WGQ Standard No. 2.4.11), and Account - Initiating Trader in the Imbalance Trade (NAESB WGQ Standard No. 2.4.11).</p> <p>Recommendation: https://www.naesb.org/pdf4/wgq_r20007_rec.docx</p> | No Comments Submitted |

| Appendix B – Links to Ratification Ballot and Results | | | |
|--|---|--|---|
| Date of Ballot | Link to Ballot | Link to Ratification Results | Recommendations Ratified that Resulted in V3.2 Standards or Standard modifications |
| 10-27-17 | https://www.naesb.org/member_login_check.asp?doc=wgq_rat102717ballot.doc | <p>Results: https://www.naesb.org/pdf4/rat_wgq112717tally.xls x</p> <p>2017 WGQ Annual Plan Items 5.a and 5.b Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_2017_api_5a-b.docx</p> <p>Attachment – Exhibit A: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_2017_api_5a-b_attach.docx</p> | <p>Recommendation to support 2017 WGQ Annual Plan Items 5.a and 5.b - Develop the Mexican Addendum or Base Contract according to the analysis completed in Item 5.a: https://www.naesb.org/member_login_check.asp?doc=wgq_rat102717_wgq_2017_api_5a-b_rec_082217.docx</p> <p>Attachment – Exhibit A: https://www.naesb.org/member_login_check.asp?doc=wgq_rat102717_wgq_2017_api_5a-b_rec_082217_attach.docx</p> |
| 02-23-18 | https://www.naesb.org/member_login_check.asp?doc=wgq_rat022318ballot.doc | <p>Results: https://www.naesb.org/pdf4/rat_wgq032618tally.xls x</p> <p>R17001 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r17001.docx</p> <p>R17003 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r17003.docx</p> | <p>Recommendation to support Standards Request R17001 - Modify NAESB WGQ Standard No. 1.3.14 and related standards to remove references to gigacalories as the standard quantity for nominations, confirmations and scheduling in Mexico: https://www.naesb.org/member_login_check.asp?doc=wgq_rat022318_wgq_r17001_rec_022218.docx</p> <p>Recommendation to support Standards Request R17003 - Add the data element “Right to Amend Primary Points 3 Month Limit” to the Offer, Award, and Transactional Reporting Capacity Release data sets, and two associated code values: https://www.naesb.org/member_login_check.asp?doc=wgq_rat022318_wgq_r17003_rec_022218.docx</p> |
| 05-02-18 | https://www.naesb.org/member_login_check.asp?doc=wgq_rat050218ballot.doc | <p>Results: https://www.naesb.org/pdf4/rat_wgq053118tally.xls x</p> <p>R17009 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r17001.docx</p> | <p>Recommendation to support Standards Request R17009 - Add Data Elements and Related Code Values to Accommodate Contractual Quantities Stated on an MCF Basis in the Following Data Sets: NAESB WGQ Standard Nos. 5.4.25 (Bid), 5.4.26 (Award Download), 5.4.20 (Transactional Reporting - Capacity Release), 5.4.21 (Transactional Reporting - Firm Transportation), and 5.4.22 (Transactional Reporting - Interruptible Transportation): https://www.naesb.org/member_login_check.asp?doc=wgq_rat050218_wgq_r17009_rec.docx</p> |

| Appendix B – Links to Ratification Ballot and Results | | | |
|--|---|---|--|
| Date of Ballot | Link to Ballot | Link to Ratification Results | Recommendations Ratified that Resulted in V3.2 Standards or Standard modifications |
| 08-23-18 | https://www.naesb.org/member_login_check.asp?doc=wgq_rat082318ballot.doc | <p>Results: https://www.naesb.org/pdf4/rat_wgq092118tally.xls x</p> <p>R18001 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18001.docx</p> <p>R18003 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18003.docx</p> | <p>Recommendation to support Standards Request R18001 - Request to add the data elements - 'Payee's Bank Wire ABA Number' and 'Payee's Bank ACH ABA Number' to the Transportation Sales/Invoice, Payment Remittance, and Service Requester Level Charge / Allowance Invoice: https://www.naesb.org/member_login_check.asp?doc=wgq_rat082318_wgq_r18001_rec.docx</p> <p>Recommendation to support Standards Request R18003 - Request to add the data elements 'Transport Contract' to Imbalance Trade: https://www.naesb.org/member_login_check.asp?doc=wgq_rat082318_wgq_r18003_rec.docx</p> |
| 10-17-18 | https://www.naesb.org/member_login_check.asp?doc=wgq_rat101718ballot.doc | <p>Results: https://www.naesb.org/pdf4/rat_wgq111518tally.xls x</p> <p>R17005 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r17005.docx</p> | <p>Recommendation to support Standards Request R17005 - Request to define a NAESB standard time frame for information to be retained on the Informational Postings Website: https://www.naesb.org/member_login_check.asp?doc=wgq_rat101718_wgq_r17005_rec.docx</p> |
| 03-29-19 | https://www.naesb.org/member_login_check.asp?doc=wgq_rat032919ballot.doc | <p>Results: https://www.naesb.org/pdf4/rat_wgq042919tally.xls x</p> <p>R18008 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r17005.docx</p> | <p>Recommendation to support Standards Request R18008 - Request to add existing data element 'Route' to the following data set(s): NAESB WGQ Standard No. 1.4.3 - Request for Confirmation, NAESB WGQ Standard No. 1.4.3 - Confirmation Response and NAESB WGQ Standard No. 1.4.6 - Scheduled Quantity for Operator: https://www.naesb.org/member_login_check.asp?doc=wgq_rat032919_wgq_r18008_rec.docx</p> |

| Appendix B – Links to Ratification Ballot and Results | | | |
|--|---|---|--|
| Date of Ballot | Link to Ballot | Link to Ratification Results | Recommendations Ratified that Resulted in V3.2 Standards or Standard modifications |
| 10-23-19 | https://www.naesb.org/member_login_check.asp?doc=wgq_rat102319ballot.doc | <p>Results: https://www.naesb.org/pdf4/rat_wgq112119tally.xlsx</p> <p>R18007-A (2019 WGQ Annual Plan Item 5) Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18007-A.doc</p> <p>Attachment A - Executive Summary: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18007-A_attachA.docx</p> <p>Attachment B - Standards Language: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18007-A_attachB.docx</p> <p>Attachment C – Dataset: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18007-A_attachC.docx</p> <p>R18013 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18013.docx</p> <p>R19001 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r19001.docx</p> | <p>Recommendation to support Standards Request R18007-A (2019 WGQ Annual Plan Item 5) - Request to develop a standard digital representation of natural gas trade events, consistent with NAESB WGQ Standard No. 6.3.1 - NAESB Base Contract for Sale and Purchase of Natural Gas, in order to capitalize on smart contract and distributed ledger technologies: https://www.naesb.org/member_login_check.asp?doc=wgq_rat102219_wgq_r18007-A_rec.docx</p> <p>Attachment A - Executive Summary: https://www.naesb.org/member_login_check.asp?doc=wgq_rat102219_wgq_r18007-A_rec_attachA.docx</p> <p>Attachment B - Standards Language: https://www.naesb.org/member_login_check.asp?doc=wgq_rat102219_wgq_r18007-A_rec_attachB.docx</p> <p>Attachment C – Dataset: https://www.naesb.org/member_login_check.asp?doc=wgq_rat102219_wgq_r18007-A_rec_attachC.docx</p> <p>Recommendation to support Standards Request R18013 - Request to modify NAESB WGQ Standard No. 4.3.49 to allow for processing functions at the line item level on Customer Activities websites and to allow for the use of icons and/or graphical control elements for navigation and/or processing functions: https://www.naesb.org/member_login_check.asp?doc=wgq_rat102219_wgq_r18013_rec.docx</p> <p>Recommendation to support Standards Request R19001 - Request to add a Sender's Option data element 'Location Fuel Area' to NAESB WGQ Standard No. 0.4.4 (Location Data Download): https://www.naesb.org/member_login_check.asp?doc=wgq_rat102219_wgq_r19001_rec.docx</p> |

| Appendix B – Links to Ratification Ballot and Results | | | |
|--|---|---|--|
| Date of Ballot | Link to Ballot | Link to Ratification Results | Recommendations Ratified that Resulted in V3.2 Standards or Standard modifications |
| | | <p>R19006 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r19006.docx</p> <p>Attachment – Exhibit A: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r19006_attachment.doc</p> | <p>Recommendation to support Standards Request R19006 - Request to change NAESB WGQ Standard No. 6.3.1 Base Contract for Sale and Purchase of Natural Gas, Section 2.25: Spot Price Publication. Argus requests that its Argus Natural Gas Americas service be added as a spot price publication reference: https://www.naesb.org/member_login_check.asp?doc=wgq_rat102219_wgq_r19006_rec.docx</p> <p>Attachment – Exhibit A: https://www.naesb.org/member_login_check.asp?doc=wgq_rat102219_wgq_r19006_rec_attachment.doc</p> |
| 03-23-20 | https://www.naesb.org/member_login_check.asp?doc=wgq_rat022120ballot.doc | <p>Results: https://www.naesb.org/pdf4/rat_wgq032320tally.xlsx</p> <p>2019 WGQ Annual Plan Items 6.a and 6.b Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_2019_api_6a-6b.docx</p> <p>Attachment 1 – List of Proposed Standards and Documents Change: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_2019_api_6a-6b_attach1.docx</p> <p>Attachment 2 – Proposed Changes to Appendices of the WGQ QEDM: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_2019_api_6a-6b_attach2.docx</p> <p>Attachment 3 – Proposed Changes to Appendices of the IET: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_2019_api_6a-6b_attach3.docx</p> | <p>Recommendation to support 2019 WGQ Annual Plan Items 6.a and 6.b - Review the surety assessment performed by Sandia National Laboratories and determine if standard changes are necessary and Develop and/or modify the NAESB Model Business Practices as needed to address Security Issues identified by Sandia National Laboratories: https://www.naesb.org/member_login_check.asp?doc=wgq_rat022020_wgq_2019_api_6a-6b_rec.docx</p> <p>Attachment 1 – List of Proposed Standards and Documents Change: https://www.naesb.org/member_login_check.asp?doc=wgq_rat022020_wgq_2019_api_6a-6b_rec_attach1.docx</p> <p>Attachment 2 – Proposed Changes to Appendices of the WGQ QEDM: https://www.naesb.org/member_login_check.asp?doc=wgq_rat022020_wgq_2019_api_6a-6b_rec_attach2.docx</p> <p>Attachment 3 – Proposed Changes to Appendices of the IET: https://www.naesb.org/member_login_check.asp?doc=wgq_rat022020_wgq_2019_api_6a-6b_rec_attach3.docx</p> |

| Appendix B – Links to Ratification Ballot and Results | | | |
|---|---|--|---|
| Date of Ballot | Link to Ballot | Link to Ratification Results | Recommendations Ratified that Resulted in V3.2 Standards or Standard modifications |
| | | <p>R19001 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r19011.docx</p> <p>Attachment - EDI X12 Mapping Guideline (NAESB WGQ Standard No. 3.4.1 - Transportation / Sales Invoice): https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r19011_attachment.pdf</p> <p>2019 WGQ Annual Plan Item 2 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_2019_api_2.docx</p> <p>Attachment - WGQ QEDM Related Standard: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_2019_api_2_attachment.docx</p> | <p>Recommendation to support Standards Request R19011 - Review and modify, as necessary, the EDI data set structure of NAESB WGQ Standard No. 3.4.1 (Transportation/Sales Invoice), NAESB WGQ Standard No. 3.4.4 (Service Requester Level Charge/Allowance Invoice), and NAESB WGQ Standard No. 2.4.4 (Shipper Imbalance) to ensure the data sets comply with the hierarchical structure of the 811 ASC x12 data set and can be successfully used by trading partners: https://www.naesb.org/member_login_check.asp?doc=wgq_rat022020_wgq_r19011_rec.docx</p> <p>Attachment - EDI X12 Mapping Guideline (NAESB WGQ Standard No. 3.4.1 - Transportation / Sales Invoice): https://www.naesb.org/member_login_check.asp?doc=wgq_rat022020_wgq_r19011_rec_attachment.pdf</p> <p>Recommendation to support 2019 WGQ Annual Plan Item 2 - Review minimum technical characteristics in Appendices B, C, and D of the WGQ QEDM Manual, and make changes as appropriate: https://www.naesb.org/member_login_check.asp?doc=wgq_rat022020_wgq_2019_api_2_rec.docx</p> <p>Attachment - WGQ QEDM Related Standard: https://www.naesb.org/member_login_check.asp?doc=wgq_rat022020_wgq_2019_api_2_rec_attachment.docx</p> |
| 08-06-20 | https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820ballot.doc | <p>Results:</p> <p>R19016 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r19016.docx</p> <p>R20001 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r20001.docx</p> <p>R20002 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r20002.docx</p> | <p>Recommendation to support Standards Request R19016: Request to Modify usage and condition of 'Discount Indicator' in the Offer: https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r19016_rec.docx</p> <p>Recommendation to support Standards Request R20001: Request to add a Sender's Option data element 'Invoice Notes' to NAESB WGQ Standard No. 3.4.1 (Transportation/Sales Invoice): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r20001_rec.docx</p> <p>Recommendation to support Standards Request R20002: Request to add a Sender's Option data element 'Location Indicator' to NAESB WGQ Standard No. 5.4.21 (Transactional Reporting-Firm Transportation): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r20002_rec.docx</p> |

| Appendix B – Links to Ratification Ballot and Results | | | |
|---|----------------|---|---|
| Date of Ballot | Link to Ballot | Link to Ratification Results | Recommendations Ratified that Resulted in V3.2 Standards or Standard modifications |
| | | <p>R18007-B/2020 WGQ Annual Plan Items 1 and 5.b Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18007-B.docx</p> <p>Attachment A: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18007-B_attachA.docx</p> <p>Attachment B: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18007-B_attachB.docx</p> <p>Attachment C: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18007-B_attachC.docx</p> <p>Attachment D: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18007-B_attachD.docx</p> <p>Attachment E: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18007-B_attachE.docx</p> <p>Attachment F: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18007-B_attachF.docx</p> <p>Attachment G: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18007-B_attachG.docx</p> <p>Attachment H: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18007-B_attachH.docx</p> <p>Attachment I: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18007-B_attachI.docx</p> | <p>Recommendation to support R18007-B/2020 WGQ Annual Plan Items 1 and 5.b: Develop standards and definitions for Transaction Confirmation and Sale and Purchase Invoice datasets to support formation of electronic version of transaction confirmation under the Base Contract including fully staffed data dictionary and associated code values: https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec.docx</p> <p>Attachment A - Executive Summary of NAESB WGQ Contracts Standards & Models Manual (Clean): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachA_clean.docx</p> <p>Attachment A - Executive Summary of NAESB WGQ Contracts Standards & Models Manual (Redline): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachA_redline.docx</p> <p>Attachment B - Standards Language: for NAESB WGQ Contracts Standards & Models Manual (Clean): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachB_clean.docx</p> <p>Attachment B - Standards Language: for NAESB WGQ Contracts Standards & Models Manual (Redline): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachB_redline.docx</p> <p>Attachment C - Modified 6.4.1 Contracts Dataset (Clean): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachC_clean.docx</p> <p>Attachment C - Modified 6.4.1 Contracts Dataset (Redline): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachC_redline.docx</p> <p>Attachment D: 6.4.2 Transaction Confirmation Dataset: https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachD.docx</p> |

| Appendix B – Links to Ratification Ballot and Results | | | |
|--|-----------------------|--|--|
| Date of Ballot | Link to Ballot | Link to Ratification Results | Recommendations Ratified that Resulted in V3.2 Standards or Standard modifications |
| | | <p>Attachment J: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r18007-B_attachJ.doc</p> | <p>Attachment E - 6.4.3 Sale and Purchase Invoice Dataset: https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachE.docx</p> <p>Attachment F - 6.4.4 Sale and Purchase Invoice Response Dataset: https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachF.docx</p> <p>Attachment G - 6.3.1 NAESB Base Contract for Sale and Purchase of Natural Gas (NAESB Base Contract) (Clean): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachG_clean.docx</p> <p>Attachment G - 6.3.1 NAESB Base Contract for Sale and Purchase of Natural Gas (NAESB Base Contract) (Redline): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachG_redline.docx</p> <p>Attachment H - 6.3.1.CA Canadian Addendum to the NAESB Base Contract (Clean): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachH_clean.docx</p> <p>Attachment H - 6.3.1.CA Canadian Addendum to the NAESB Base Contract (Redline): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachH_redline.docx</p> <p>Attachment I - 6.3.1.MA Mexican Addendum to the NAESB Base Contract (Clean): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachI_clean.docx</p> <p>Attachment I - 6.3.1.MA Mexican Addendum to the NAESB Base Contract (Redline): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachI_redline.docx</p> <p>Attachment J - FAQs for NAESB Base Contract (Clean): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachJ_clean.doc</p> <p>Attachment J - FAQs for NAESB Base Contract (Redline): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r18007-B_rec_attachJ_redline.doc</p> |

| Appendix B – Links to Ratification Ballot and Results | | | |
|---|----------------|---|--|
| Date of Ballot | Link to Ballot | Link to Ratification Results | Recommendations Ratified that Resulted in V3.2 Standards or Standard modifications |
| | | <p>R20004 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r20004.docx</p> <p>R20005: Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r20005.docx</p> <p>R20006: Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r20006.docx</p> <p>R20007 Final Action: https://www.naesb.org/member_login_check.asp?doc=fa_wgq_r20007.docx</p> | <p>Recommendation to support Standards Request R20004: Request new data element Capacity Block ID in the Nomination (NAESB WGQ Standard No. 1.4.1) so that is based upon the business condition of the Transportation Service Provider receiving the nomination. Add necessary validation codes in the Nomination Quick Response (NAESB WGQ Standard No. 1.4.2), as needed. Additionally, modify (as appropriate) the nomination key in NAESB WGQ Standard No. 1.3.27: https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r20004_rec.docx</p> <p>Recommendation to support Standards Request R20005: Request to add a Sender's Option data element 'Call Days Remaining' to NAESB WGQ Standard No. 0.4.1 (Storage Information): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r20005_rec.docx</p> <p>Recommendation to support Standards Request R20006: Request to add four mutually agreeable data elements for Nomination Contact information to NAESB WGQ Standard No. 1.4.1 (Nomination): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r20006_rec.docx</p> <p>Recommendation to support Standards Request R20007: Request to add the following new data elements: Authorized Service Requester Account in the Authorization to Post Imbalances (NAESB WGQ Standard No. 2.4.9), Service Requester Account in the Posted Imbalances Download (NAESB WGQ Standard 2.4.10), Account - Confirming Trader in the Imbalance Trade (NAESB WGQ Standard No. 2.4.11), and Account - Initiating Trader in the Imbalance Trade (NAESB WGQ Standard No. 2.4.11): https://www.naesb.org/member_login_check.asp?doc=wgq_rat070820_wgq_r20007_rec.docx</p> |

Appendix C – List of Transcripts

| Date of Meeting | Meeting and Minutes | Transcription Service | How do obtain transcripts¹ |
|------------------------|--|------------------------------|--|
| 10-26-17 | WGQ EC Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec102617fm.docx | Jill Vaughn, CSR | Call Jill Vaughn, CSR at 281-853-6807 |
| 04-26-18 | WGQ EC Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec042618fm.docx | Jill Vaughn, CSR | Call Jill Vaughn, CSR at 281-853-6807 |
| 08-23-18 | WGQ EC Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec082318fm.docx | Jill Vaughn, CSR | Call Jill Vaughn, CSR at 281-853-6807 |
| 10-11-18 | WGQ EC Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec101118fm.docx | Jill Vaughn, CSR | Call Jill Vaughn, CSR at 281-853-6807 |
| 03-28-19 | WGQ EC Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec032819fm.docx | Jill Vaughn, CSR | Call Jill Vaughn, CSR at 281-853-6807 |
| 10-17-19 | WGQ EC Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec101719fm.docx | Jill Vaughn, CSR | Call Jill Vaughn, CSR at 281-853-6807 |
| 02-20-20 | WGQ EC Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec022020fm.docx | Jill Vaughn, CSR | Call Jill Vaughn, CSR at 281-853-6807 |
| 07-08-20 | WGQ EC Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec070820dm.docx | Jill Vaughn, CSR | Call Jill Vaughn, CSR at 281-853-6807 |

¹ The Federal Energy Regulatory Commission and other regulatory agencies may contact the NAESB office to obtain electronic copies of the transcripts. All others can contact the transcription service and order the transcripts for a nominal fee.

The NAESB Standards Development Process

NAESB is focused on proposing, considering, and adopting voluntary standards and model business practices that will have a significant and lasting impact on all aspects of the natural gas and electricity marketplaces. As a result of the standards NAESB adopts, it is expected that the industry will operate more efficiently and effectively, benefiting both the industry and its customers. At the same time, it must be acknowledged that NAESB standards may constitute a change in the way parties do business, with an accompanying effect on the use and allocation of resources.

NAESB's policy is to move at a deliberate pace, consistent with its annual plan(s), thus permitting those affected by its standards, especially those standards adopted as regulations by the Federal Energy Regulatory Commission (FERC) or other regulatory bodies, to assimilate them as part of their business practices. To this end, NAESB will carefully consider whether proposed standards are both timely and necessary. In particular, it will try to avoid adopting and implementing new standards, however beneficial, before the industry is able to reasonably make use of them.

The standards development process is governed by the annual plan, and items can be included in the plan or modified only with Board approval. The plan typically reflects requests from NAESB members, government agencies, and other interested parties. In approving the annual plan, the Board considers the availability of resources, including the NAESB budget and staff and the availability of industry volunteers. New requests received throughout the year are either considered part of the existing annual plan or as new items that require Board approval.

The standards development process begins with an annual plan item or a triaged and approved request. Triage is a process used by each quadrant of the Executive Committee (EC) to determine whether a request is within scope, which quadrant(s) it applies to, which subcommittee(s) it should be referred to, and what priority it should be assigned. Triage is carried out by EC members appointed by the EC chair. Triage recommendations are submitted to the en banc EC and require EC approval, and may require Board approval if there are scope questions or if a modification of the annual plan is required.

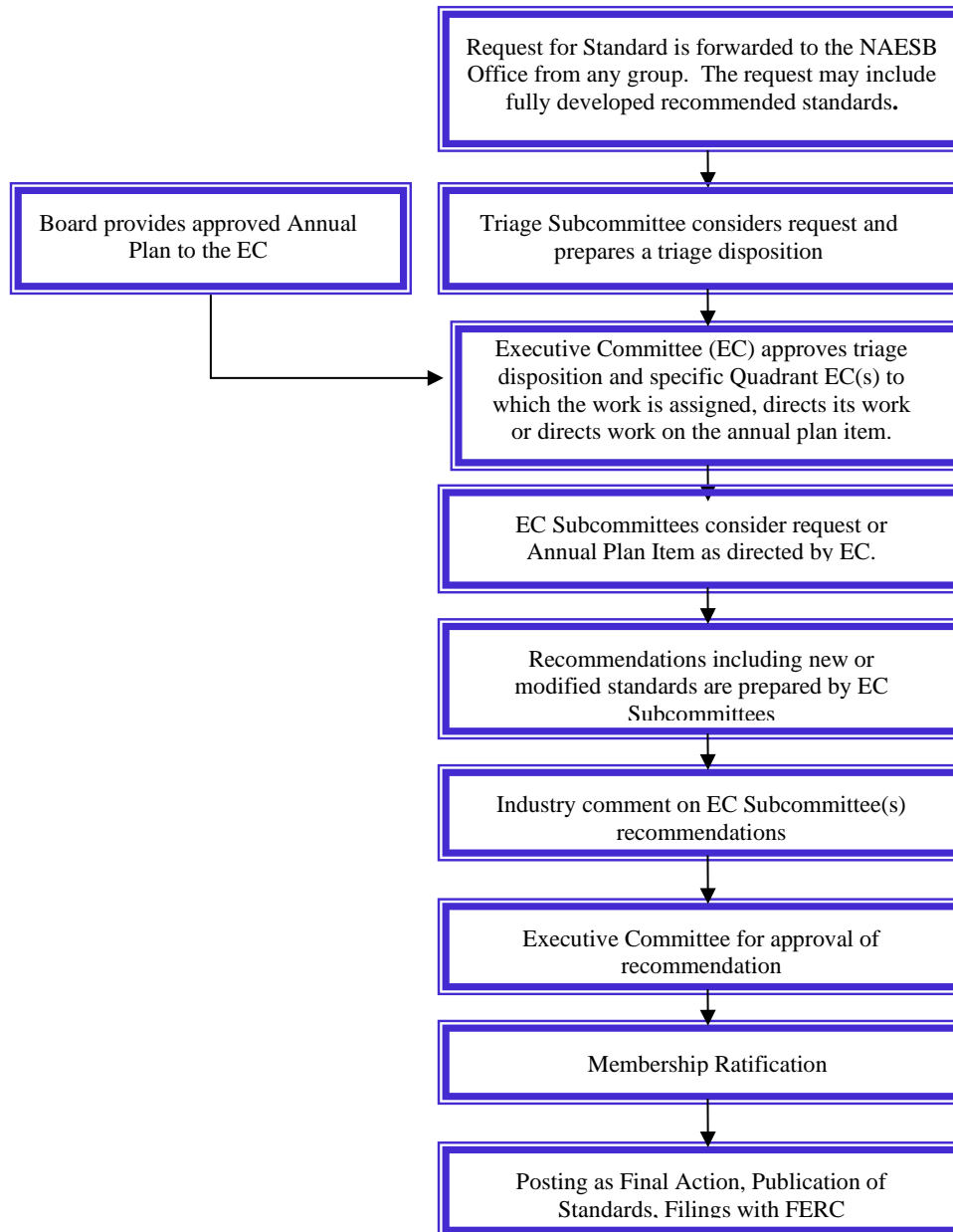
Once the triage process is completed, the subcommittees—more than one are normally involved in standards recommendations—review the request, compare it to existing standards, and prepare recommendations that may take the form of new or modified standards or interpretations. Participation in EC subcommittees 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 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”) were 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
2017 Annual Plan for the Wholesale Gas Quadrant
Adopted by the Board of Directors on December 14, 2017**

| Item Description | Completion ¹ | Assignment ² |
|--|--------------------------------------|-------------------------------|
| 1. Update Standards Matrix Tool for Ease of Use³ | | |
| a. Update the reference tool developed for Version 3.0 to reflect modifications applicable to Version 3.1 Status: Not Started | 2018 | WGQ IR/Technical Subcommittee |
| 2. Electronic Delivery Mechanisms | | |
| a. Review minimum technical characteristics in Appendices B, C, and D of the WGQ QEDM Manual, and make changes as appropriate. Status: Completed | 2 nd Q, 2017 | WGQ EDM Subcommittee |
| 3. Gas-Electric Coordination^{4 5 6 7} | | |
| a. Develop standards as needed and directed by the Board of Directors, which are specifically assigned to the WGQ. | | |
| i. GEH Forum Issue 22 ¹ : <i>“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”</i> | | |
| 1. Consider and determine if WGQ standards are needed, and develop a recommendation and report to the Board of Directors Status: Completed | 1 st Q, 2017 ² | WGQ BPS |
| 2. Develop WGQ standards according to the recommendation of Item 3.a.i.1 Status: Completed | 1 st Q, 2017 ² | WGQ BPS |
| ii. GEH Forum Issue 25 ³ : <i>Communication protocols with LDCs, gas generator operators and natural gas marketing companies</i> | | |
| 1. Consider and determine if WGQ standards are needed, and develop a recommendation and report to the Board of Directors Status: Completed | 1 st Q, 2017 ² | WGQ BPS |
| 2. Develop WGQ standards according to the recommendation of Item 3.a.ii.1 Status: Completed | 1 st Q, 2017 ² | WGQ BPS |
| iii. GEH Forum Issue 26 ⁴ : <i>“Improve efficiency of critical information sharing (related to issues 22 and 25)”</i> | | |
| 1. Consider and determine if WGQ standards are needed, and develop a recommendation and report to the Board of Directors Status: Completed | 1 st Q, 2017 ² | WGQ BPS |

¹ The GEH Forum Issues may be found in the GEH Survey Addendum:

https://www.naesb.org/pdf4/geh_report_addendum_041816_clean051316.docx

² 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

³ *Id.*

⁴ *Id.*

**NORTH AMERICAN ENERGY STANDARDS BOARD
2017 Annual Plan for the Wholesale Gas Quadrant
Adopted by the Board of Directors on December 14, 2017**

| | Item Description | Completion¹ | Assignment² |
|-----|--|--------------------------------------|-------------------------------|
| | 2. Develop WGQ standards according to the recommendation of Item 3.a.iii.1 Status: Completed | 1 st Q, 2017 ² | WGQ BPS |
| iv. | GEH Forum Issue 33 ⁵ : <i>“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”</i> | | |
| | 1. Consider and determine if WGQ standards are needed, and develop a recommendation and report to the Board of Directors Status: Completed | 1 st Q, 2017 ² | WGQ BPS |
| | 2. Develop WGQ standards according to the recommendation of Item 3.a.iv.1 Status: Completed | 1 st Q, 2017 ² | WGQ BPS |
| v. | GEH Forum Issue 36 ⁶ : <i>“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 17⁷ in the first presentation.”</i> | | |
| | 1. Consider and determine if WGQ standards are needed, and develop a recommendation and report to the Board of Directors Status: Completed | 1 st Q, 2017 ² | WGQ BPS |
| | 2. Develop WGQ standards according to the recommendation of Item 3.a.v.1 Status: Completed | 1 st Q, 2017 ² | WGQ BPS |
| b. | Address standards development requests related to gas-electric harmonization | | |
| i. | Develop business practices as needed to support R16003 and attachment : <i>Special Efforts Scheduling Services for Natural Gas Pipeline Transportation - The proposed standard addresses certain business practices relating to Best Efforts scheduling for natural gas pipeline transportation that is: a) scheduled outside of the standard grid-wide nomination cycles, b) permits flow changes outside of standard schedule flow periods; and/or c) involves Shaped Flow Transactions (as defined in the proposed standard).</i> | 1 st Q, 2017 ² | WGQ BPS |

⁵ *Id.*

⁶ *Id.*

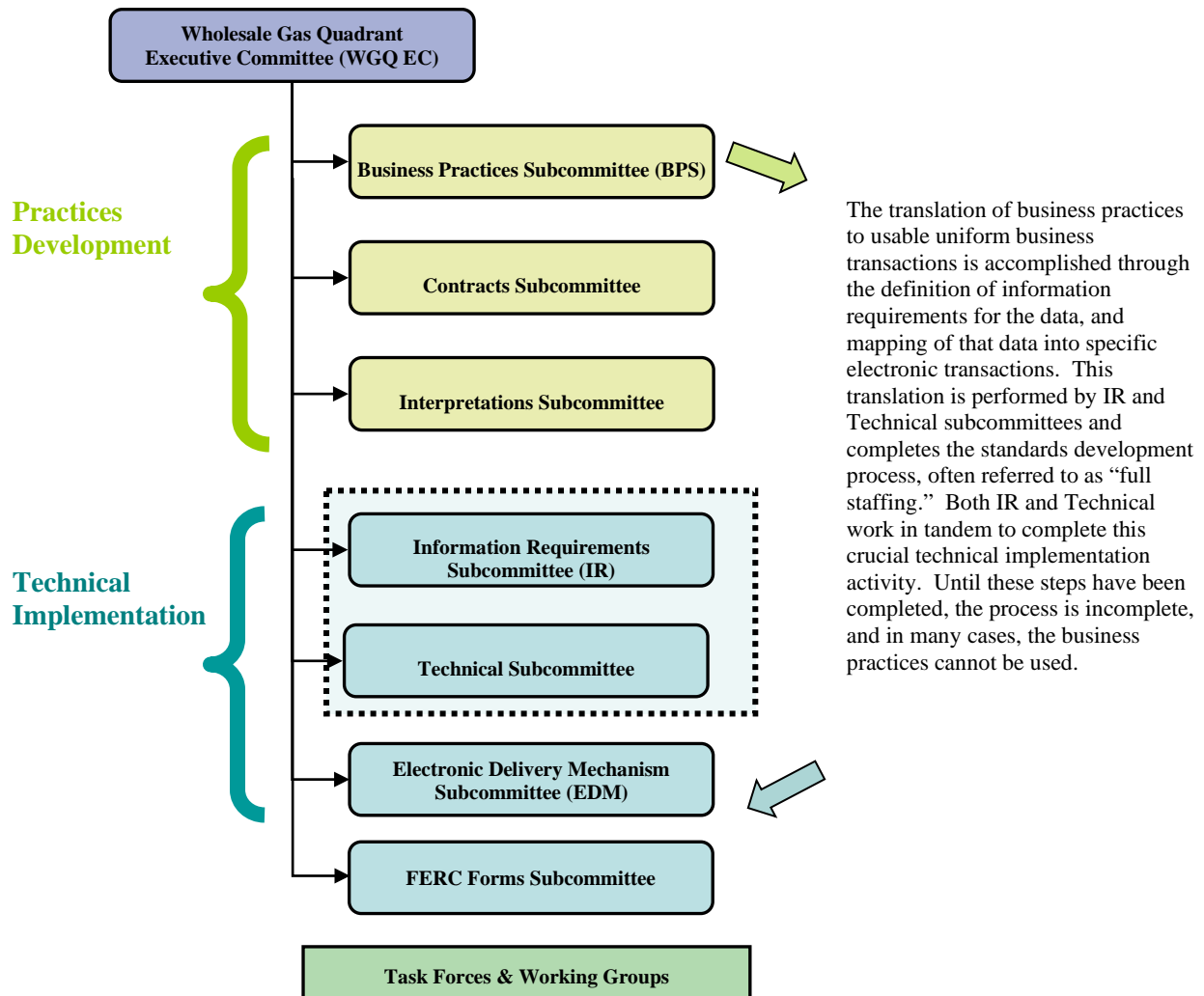
⁷ GEH Forum Issue 17 “Levels of Confirmation” can be found in the GEH Survey Addendum: https://www.naesb.org/pdf4/geh_report_addendum_041816_clean051316.docx.

**NORTH AMERICAN ENERGY STANDARDS BOARD
2017 Annual Plan for the Wholesale Gas Quadrant
Adopted by the Board of Directors on December 14, 2017**

| Item Description | Completion¹ | Assignment² |
|---|--------------------------------------|---------------------------------------|
| Status: Completed | | |
| ii. Develop business practices as needed to support R16007 : “Update the NAESB Nomination dataset and related datasets to support the ability for a service requester to submit a single nomination with hourly quantities when such a service is supported by the TSP.” | 1 st Q, 2017 ² | WGQ BPS |
| Status: Completed | | |
| 4. 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 | | |
| a. Develop business practices as needed to support electronic filing protocols for submittal of FERC Forms | 2018 | Joint WEQ/WGQ FERC Forms Subcommittee |
| Status: Underway | | |
| 5. Mexican Addendum or Base Contract | | |
| a. Consider and determine if there is a need for a Mexican Addendum or Base Contract | 2017 | WGQ Contracts Subcommittee |
| Status: Completed | | |
| b. Develop the Mexican Addendum or Base Contract according to the analysis completed in Item 5.a | 3 rd Q, 2017 | WGQ Contracts Subcommittee |
| Status: Completed | | |
| Program of Standards Maintenance & Fully Staffed Standards Work | | |
| Business Practice Requests | Ongoing | Assigned by the EC ⁸ |
| Continue review against plan for migration to ANSI ASC X12 new versions as needed and coordinate such activities with DISA. | Ongoing | Assigned by the EC ³ |
| Information Requirements and Technical Mapping of Business Practices | Ongoing | Assigned by the EC ³ |
| Interpretations for Clarifying Language Ambiguities | Ongoing | Assigned by the EC ⁸ |
| Maintenance of Code Values and Other Technical Matters | Ongoing | Assigned by the EC ³ |
| Maintenance of eTariff Standards | As Requested | Assigned by the EC ⁸ |
| Provisional Activities | | |
| 1. Develop and/or modify standards as need in support of the October 18, 2016 correspondence ⁹ from Chairman Bay not otherwise addressed by 2017 WGQ Annual Plan Items 3.a and 3.b. | | |

⁸The 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

⁹The 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



NAESB 2017 WGQ EC and Subcommittee Leadership:

- Executive Committee: Jim Buccigross, Chair and Randy Parker, Vice-Chair
- Business Practices Subcommittee: Sylvia Munson, Willis McCluskey, Phil Precht, Ben Schoene
- Information Requirements Subcommittee: Rachel Hogge
- Technical Subcommittee: Kim Van Pelt
- Contracts Subcommittee: Keith Sappenfield
- Electronic Delivery Mechanism Subcommittee: Leigh Spangler
- WGQ/WEQ FERC Forms Subcommittee: Leigh Spangler, Dick Brooks

End Notes, WGQ 2017 Annual Plan:

¹ Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

² The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

³ As implementation of business issues are presented to the Information Requirements Subcommittee and Technical Subcommittee, those issues will be given precedence over WGQ 2017 Annual Plan Item No. 1.

⁴ FERC Order No. 809 can be found through the following hyperlink: <https://www.ferc.gov/whats-new/comm-meet/2015/041615/M-1.pdf>

⁵ 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.

⁶ 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](#))
- (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 Identify potential schedules for standards development including status and progress reports to the board.

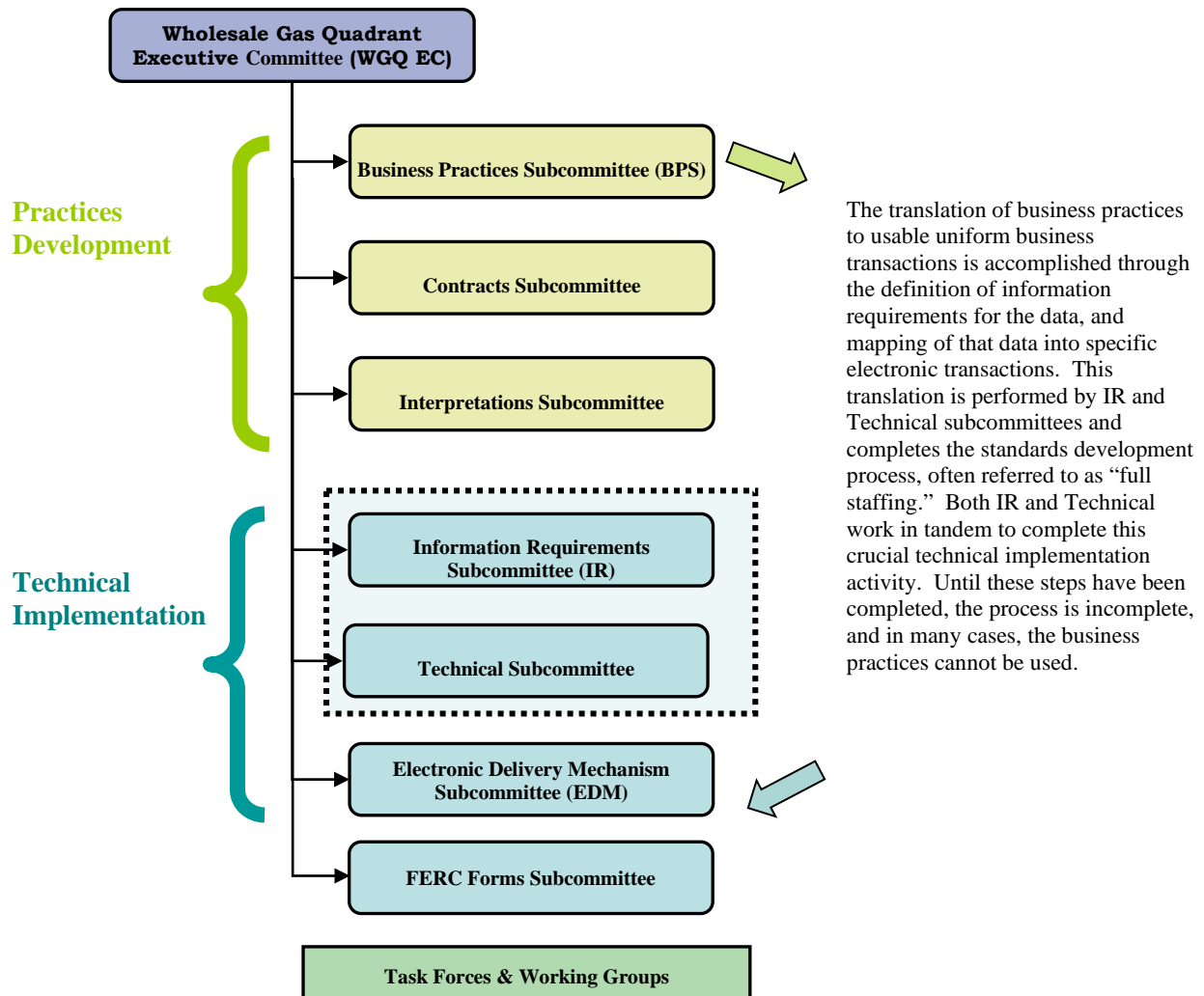
⁷ FERC Order on Rehearing ¶1 – September 17, 2015 [Docket No. RM14-2-001] In Order No. 809, the Commission revised its regulations relating to the scheduling of transportation service on interstate natural gas pipelines to better coordinate the scheduling practices of the wholesale natural gas and electric industries, as well as to provide additional scheduling flexibility to all shippers on interstate natural gas pipelines.⁷ 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)⁷ 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.

⁸ The EC assigns maintenance of existing standards on a request-by-request basis.

**NORTH AMERICAN ENERGY STANDARDS BOARD
2018 Annual Plan for the Wholesale Gas Quadrant
Adopted by the Board of Directors on December 13, 2018**

| Item Description | Completion¹ | Assignment² |
|---|-------------------------------|---------------------------------------|
| 1. Update Standards Matrix Tool for Ease of Use³ | | |
| a. Update the reference tool developed for Version 3.0 to reflect modifications applicable to Version 3.1 Status: Underway | 1 st Q, 2019 | WGQ IR/Technical Subcommittee |
| 2. Electronic Delivery Mechanisms | | |
| a. Review minimum technical characteristics in Appendices B, C, and D of the WGQ QEDM Manual, and make changes as appropriate. Status: Not Started | 2018 | WGQ EDM Subcommittee |
| 3. Develop and/or modify standards to support FERC Order Instituting Proceeding to Develop Electronic Filing Protocols for Commission Forms (Docket No. AD15-11-000)¹ | | |
| a. Develop business practices as needed to support electronic filing protocols for submittal of FERC Forms Status: Underway | 2019 | Joint WEQ/WGQ FERC Forms Subcommittee |
| Program of Standards Maintenance & Fully Staffed Standards Work | | |
| Business Practice Requests | Ongoing | Assigned by the EC ⁴ |
| Continue review against plan for migration to ANSI ASC X12 new versions as needed and coordinate such activities with DISA. | Ongoing | Assigned by the EC ³ |
| Information Requirements and Technical Mapping of Business Practices | Ongoing | Assigned by the EC ³ |
| Interpretations for Clarifying Language Ambiguities | Ongoing | Assigned by the EC ⁴ |
| Maintenance of Code Values and Other Technical Matters | Ongoing | Assigned by the EC ³ |
| Maintenance of eTariff Standards | As Requested | Assigned by the EC ⁴ |
| Provisional Activities | | |
| 1. 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. | | |

¹The 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.



NAESB 2018 WGQ EC and Subcommittee Leadership:

- Executive Committee: Jim Buccigross, Chair and Randy Parker, Vice-Chair
- Business Practices Subcommittee: Sylvia Munson, Willis McCluskey, Ben Schoene
- Information Requirements Subcommittee: Rachel Hogge
- Technical Subcommittee: Kim Van Pelt
- Contracts Subcommittee: Keith Sappenfield
- Electronic Delivery Mechanism Subcommittee: Leigh Spangler
- WGQ/WEQ FERC Forms Subcommittee: Leigh Spangler, Dick Brooks

End Notes, WGQ 2018 Annual Plan:

¹ Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

² The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

³ As implementation of business issues are presented to the Information Requirements Subcommittee and Technical Subcommittee, those issues will be given precedence over WGQ 2018 Annual Plan Item No. 1.

⁴ The EC assigns maintenance of existing standards on a request-by-request basis.

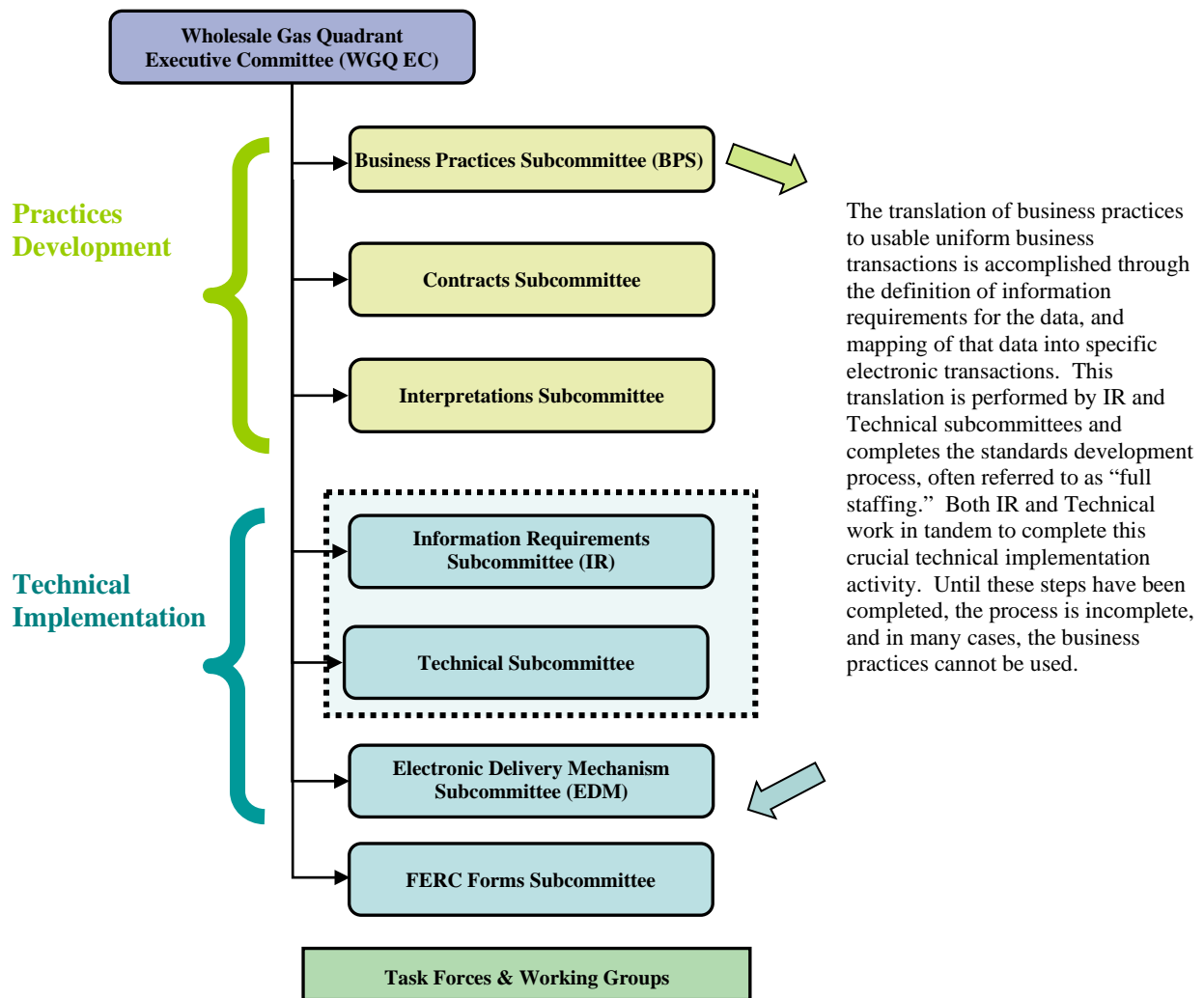
**NORTH AMERICAN ENERGY STANDARDS BOARD
2019 Annual Plan for the Wholesale Gas Quadrant
Adopted by the Board of Directors on December 11, 2019**

| Item Description | Completion¹ | Assignment² |
|---|-------------------------------|--|
| 1. Update Standards Matrix Tool for Ease of Use³ | | |
| Update the reference tool developed for Version 3.0 to reflect modifications applicable to Version 3.1 Status: Completed | 1 st Q, 2019 | WGQ IR/Technical Subcommittee |
| 2. Electronic Delivery Mechanisms | | |
| Review minimum technical characteristics in Appendices B, C, and D of the WGQ QEDM Manual, and make changes as appropriate. Status: Not Started | 4 th Q, 2019 | WGQ EDM Subcommittee |
| 3. Develop and/or modify standards to support FERC Order Instituting Proceeding to Develop Electronic Filing Protocols for Commission Forms (Docket No. AD15-11-000)¹ | | |
| Develop business practices as needed to support electronic filing protocols for submittal of FERC Forms Status: Underway | 2019/2020 | Joint WEQ/WGQ FERC Forms Subcommittee |
| 4. R18007 Develop a standard digital representation (Blockchain) of natural gas trade events | | |
| Develop a standard digital representation of natural gas trade events, consistent with NAESB WGQ Standard No. 6.3.1 – NAESB Base Contract for Sale and Purchase of Natural Gas (Base Contract), in order to capitalize on smart contract and distributed ledger technologies (Blockchain). Development updated to separate subcommittee work into two parts as follows: | | |
| a. Develop standards and definitions for Transaction Confirmation dataset to support formation of electronic version of transaction confirmation under the Base Contract including fully staffed data dictionary and associated code values. Status: Complete | 4 th Q, 2019 | Joint WGQ BPS/EDM/Contracts Subcommittee |
| b. Develop standards and definitions for Transaction Confirmation and Sale and Purchase Invoice datasets to support formation of electronic version of transaction confirmation under the Base Contract including fully staffed data dictionary and associated code values. Status: Underway | 2 nd Q, 2020 | Joint WGQ BPS/EDM/Contracts Subcommittee |
| 5. 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: Complete | 4 th Q, 2019 | Joint WGQ EDM and RMQ IR/TEIS |
| b. Develop and/or modify the NAESB Business Practice Standards as needed to address Security Issues identified by Sandia National Laboratories Status: Started | 4 th Q, 2019 | Joint WGQ EDM and RMQ IR/TEIS |
| c. Develop and/or modify the NAESB Business Practice Standards as needed to address Additional Findings and Considerations identified by Sandia National Laboratories Status: Not Started | 1 st Q, 2020 | Joint WGQ EDM Subcommittee and RMQ IR/TEIS |

¹The 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
2019 Annual Plan for the Wholesale Gas Quadrant
Adopted by the Board of Directors on December 11, 2019**

| Item Description | Completion¹ | Assignment² |
|---|-------------------------------|---------------------------------|
| Program of Standards Maintenance & Fully Staffed Standards Work | | |
| Business Practice Requests | Ongoing | Assigned by the EC ⁴ |
| Continue review against plan for migration to ANSI ASC X12 new versions as needed and coordinate such activities with DISA. | Ongoing | Assigned by the EC ³ |
| Information Requirements and Technical Mapping of Business Practices | Ongoing | Assigned by the EC ³ |
| Interpretations for Clarifying Language Ambiguities | Ongoing | Assigned by the EC ⁴ |
| Maintenance of Code Values and Other Technical Matters | Ongoing | Assigned by the EC ³ |
| Maintenance of eTariff Standards | As Requested | Assigned by the EC ⁴ |
| Provisional Activities | | |
| 1. R17008 Develop a standard for exchange of transportation invoice information using Extensible Markup Language (XML) | | |



NAESB 2019 WGQ EC and Subcommittee Leadership:

- Executive Committee: Jim Buccigross, Chair and Randy Parker, Vice-Chair
- Business Practices Subcommittee: Sylvia Munson, Willis McCluskey, Ben Schoene, Michelle Mendoza
- Information Requirements Subcommittee: Rachel Hogge and Nichole Lopez
- Technical Subcommittee: Kim Van Pelt and Steven McCord
- Contracts Subcommittee: Keith Sappenfield
- Electronic Delivery Mechanism Subcommittee: Leigh Spangler
- WGQ/WEQ FERC Forms Subcommittee: Leigh Spangler, Dick Brooks

End Notes, WGQ 2019 Annual Plan:

¹ Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

² The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

³ As implementation of business issues are presented to the Information Requirements Subcommittee and Technical Subcommittee, those issues will be given precedence over WGQ 2019 Annual Plan Item No. 1.

⁴ The EC assigns maintenance of existing standards on a request-by-request basis.

**NORTH AMERICAN ENERGY STANDARDS BOARD
2020 ANNUAL PLAN for the WHOLESale GAS QUADRANT
Adopted by the Board of Directors on December 11, 2019**

| Item Description | Completion ¹ | Assignment ² |
|---|-------------------------|--|
| 1. Update Base Contact FAQs for use of Transaction Confirmations | | |
| Update the NAESB WGQ Contracts Related Standards' FAQs for NAESB WGQ Standard 6.3.1, Base Contract for Sale and Purchase of Natural Gas to provide information on the expected use of the data fields in the Transaction Confirmation. Status: Not Started | 2 nd Q, 2020 | WGQ Contracts Subcommittee |
| 2. Electronic Delivery Mechanisms | | |
| Review minimum technical characteristics in Appendices B, C, and D of the WGQ QEDM Manual, and make changes as appropriate. Status: Started | 2020 | WGQ EDM Subcommittee |
| 3. Develop and/or modify standards to support FERC Order Instituting Proceeding to Develop Electronic Filing Protocols for Commission Forms (Docket No. AD15-11-000)¹ | | |
| Develop business practices as needed to support electronic filing protocols for submittal of FERC Forms Status: Underway | 2020 | Joint WEQ/WGQ FERC Forms Subcommittee |
| 4. Update Standards Matrix Tool for Ease of Use³ | | |
| Update the reference tool developed for Version 3.1 to reflect modifications applicable to Version 3.2 Status: Not Started | 2020 | WGQ IR/Technical Subcommittee |
| 5. R18007 Develop a standard digital representation (Blockchain) of natural gas trade events | | |
| Develop a standard digital representation of natural gas trade events, consistent with NAESB WGQ Standard No. 6.3.1 – NAESB Base Contract for Sale and Purchase of Natural Gas (Base Contract), in order to capitalize on smart contract and distributed ledger technologies (Blockchain). Development updated to separate subcommittee work into two parts as follows: | | |
| a. Develop standards and definitions for Transaction Confirmation dataset to support formation of electronic version of transaction confirmation under the Base Contract including fully staffed data dictionary and associated code values. Status: Complete | 4 th Q, 2019 | Joint WGQ BPS/EDM/Contracts Subcommittee |
| b. Develop standards and definitions for Transaction Confirmation and Sale and Purchase Invoice datasets to support formation of electronic version of transaction confirmation under the Base Contract including fully staffed data dictionary and associated code values. Status: Underway | 2 nd Q, 2020 | Joint WGQ BPS/EDM/Contracts 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: Complete | 4 th Q, 2019 | Joint WGQ EDM and RMQ IR/TEIS |

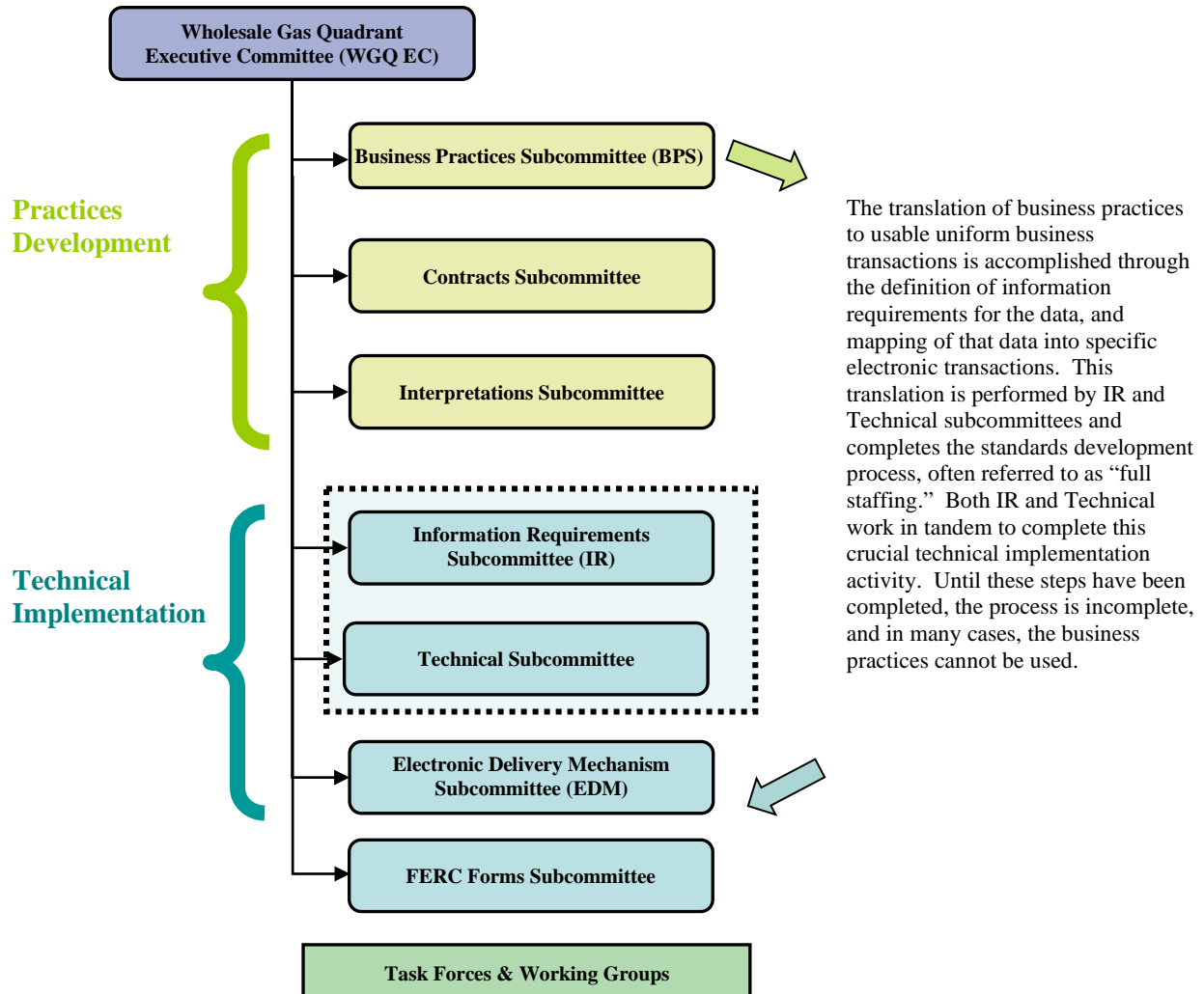
¹The FERC *Order Instituting Proceeding to Develop Electronic Filing Protocols for Commission Forms*, issued on April 16, 2015, can be found through the following hyperlink: https://www.naesb.org/pdf4/ferc041615_electronic_filing_protocols_forms.pdf.

**NORTH AMERICAN ENERGY STANDARDS BOARD
2020 ANNUAL PLAN for the WHOLESale GAS QUADRANT
Adopted by the Board of Directors on December 11, 2019**

| | Item Description | Completion¹ | Assignment² |
|--|---|-------------------------------|--|
| b. | Develop and/or modify the NAESB Business Practice Standards as needed to address Security Issues identified by Sandia National Laboratories. Status: Complete | 4 th Q, 2019 | Joint WGQ EDM and RMQ IR/TEIS |
| c. | Develop and/or modify the NAESB Business Practice Standards as needed to address Additional Findings and Considerations identified by Sandia National Laboratories Status: Not Started | 1 st Q, 2020 | Joint WGQ EDM Subcommittee and RMQ IR/TEIS |
| Program of Standards Maintenance & Fully Staffed Standards Work | | | |
| | Business Practice Requests | Ongoing | Assigned by the EC ⁴ |
| | Continue review against plan for migration to ANSI ASC X12 new versions as needed and coordinate such activities with DISA. | Ongoing | Assigned by the EC ³ |
| | Information Requirements and Technical Mapping of Business Practices | Ongoing | Assigned by the EC ³ |
| | Interpretations for Clarifying Language Ambiguities | Ongoing | Assigned by the EC ⁴ |
| | Maintenance of Code Values and Other Technical Matters | Ongoing | Assigned by the EC ³ |
| | Maintenance of eTariff Standards | As Requested | Assigned by the EC ⁴ |

Provisional Activities

1. R17008 Develop a standard for exchange of transportation invoice information using Extensible Markup Language (XML)



NAESB 2020 WGQ EC and Subcommittee Leadership:

- Executive Committee: Jim Buccigross, Chair and Randy Parker, Vice-Chair
- Business Practices Subcommittee: Sylvia Munson, Willis McCluskey, Ben Schoene, Michelle Mendoza
- Information Requirements Subcommittee: Rachel Hogge and Nichole Lopez
- Technical Subcommittee: Kim Van Pelt and Steven McCord
- Contracts Subcommittee: Keith Sappenfield
- Electronic Delivery Mechanism Subcommittee: Leigh Spangler
- WGQ/WEQ FERC Forms Subcommittee: Leigh Spangler, Dick Brooks

End Notes, WGQ 2020 Annual Plan:

¹ Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

² The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

³ As implementation of business issues are presented to the Information Requirements Subcommittee and Technical Subcommittee, those issues will be given precedence over WGQ 2020 Annual Plan Item No. 4.

⁴ The EC assigns maintenance of existing standards on a request-by-request basis.

Appendix F – Minor Corrections Applied

| EC Meeting Date | Meeting Minutes, Notational Ballots and Results | Minor Corrections |
|-----------------|---|--|
| 10-26-17 | <p>Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec102617fm.docx</p> | <p>Minor correction MC17015 - Minor correction to be included in NAESB WGQ Version 3.2 proposes the addition of 1 new code value (Imbalance Resolution) in the Notice Type data element for NAESB WGQ Standard No. 5.4.16 (System-Wide Notices) data set as approved by the WGQ Executive Committee on October 26, 2017. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc17015_rec_102617.docx (Effective November 27, 2017)</p> <p>Minor correction MC17016 – Minor correction to be included in NAESB WGQ Version 3.2 proposes the addition of 1 new code value in the Reduction Reason data element for NAESB WGQ Standard Nos. 1.4.4 (Confirmation Response), 1.4.5 (Scheduled Quantity), and 1.4.6 (Scheduled Quantity for Operator) data sets in NAESB WGQ Standards Version 3.1 as approved by the WGQ Executive Committee on October 26, 2017. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc17016_rec_102617.docx (Effective November 27, 2017)</p> <p>Minor correction MC17017 – Minor correction to be included in NAESB WGQ Version 3.2 proposes the addition of 1 new code value in the Reduction Reason data element for the NAESB WGQ Standard Nos. 1.4.5 (Scheduled Quantity) and 1.4.6 (Scheduled Quantity for Operator) data sets. Addition of this code value would allow a more specific indication that the reason for a scheduling cut resulted from a validation on storage minimum balance as approved by the WGQ Executive Committee on October 26, 2017. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc17017_rec_102617.docx (Effective November 27, 2017)</p> <p>Minor correction MC17018 – Minor correction to be included in NAESB WGQ Version 3.2 proposes the addition of 1 code value for the data element “Transaction Type” in the NAESB WGQ Standard No. 3.4.1 (Transportation / Sales Invoice) data set as approved by the WGQ Executive Committee on October 26, 2017. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc17018_rec_102617.docx (Effective November 27, 2017)</p> <p>Minor correction MC17019 – Minor correction to be included in NAESB WGQ Version 3.2 proposes the addition of existing code values for the data element “Reduction Reason Code” in the NAESB WGQ Standard No. 1.4.4 (Confirmation Response) data set. These code values are currently present in the NAESB WGQ Standard Nos. 1.4.5 (Scheduled Quantity) and 1.4.6 (Scheduled Quantity for Operator) datasets as approved by the WGQ Executive Committee on October 26, 2017. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc17019_rec_102617.docx (Effective November 27, 2017)</p> |

Appendix F – Minor Corrections Applied

| EC Meeting Date | Meeting Minutes, Notational Ballots and Results | Minor Corrections |
|------------------------|--|--|
| 02-22-18 | Notational Ballot: https://www.naesb.org/pdf4/wgq_ec020818_ballot.doc Results: https://www.naesb.org/pdf4/wgq_ec020818ballot_results.doc | Minor correction MC18001 – Minor Correction to NAESB WGQ Standard No. 6.3.1.MA - Mexican Addendum to the Base Contract for Sale and Purchase of Natural Gas adopted on November 27, 2017 to correction Section 6.3 by adding the language missing at the end of the last sentence in this section as approved by the WGQ Executive Committee by notational ballot on February 22, 2018. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc18001_rec_022218.doc <i>(Effective March 26, 2018)</i> |
| 08-23-18 | Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec082318fm.doc cx | Minor correction MC18002 – Minor Correction to be included in NAESB WGQ Version 3.2 proposes the addition of 1 new code value for the data element “Charge Type” in the NAESB in the NAESB WGQ Standard No. 3.4.1 (Transportation / Sales Invoice) data set as approved by the WGQ Executive Committee on August 23, 2018. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc18002_rec_082318.docx <i>(Effective September 21, 2018)</i> Minor correction MC18003 – Minor correction to be included in NAESB WGQ Version 3.2 for the NAESB WGQ Standard No. 5.4.24 (Offer) and NAESB WGQ Standard No. 5.4.26 (Award) data sets, to modify the proposed implementation previously ratified for in Final Action R17003 as approved by the WGQ Executive Committee on August 23, 2018. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc18003_rec_071818.docx <i>(Effective September 21, 2018)</i> |
| 10-11-18 | Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec101118fm.doc cx | Minor correction MC18004 - Minor correction to NAESB WGQ Standard No. 6.3.5 - NAESB WGQ Master Agreement for Purchase, Sale or Exchange of Liquid Hydrocarbons adopted on December 6, 2012 (Minor Correction MC13016, effective 9/26/2013, Revised by R15003 (Part 2), 08/31/2016) to correct an error in the Disclaimer language as approved by the WGQ Executive Committee on October 11, 2018. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc18004_rec_101118.doc <i>(Effective November 12, 2018)</i> |
| 03-28-19 | Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec032819fm.doc cx | Minor correction MC18005 - Minor correction to be implemented in NAESB WGQ Version 3.2 of the NAESB WGQ Standards Manuals. The minor correction proposes the movement of the ‘Version Notes’ to the end of each manual for ease in performing a search within the manual and the removal of the ‘Tab’ references as the manuals are no longer published in book format, but are available through electronic download and/or USB. The minor correction also corrects the language in the ‘Related Standards’ section, under the ‘ANSI ASC X12 Standards’ heading by removing the NAESB member option to purchase an ANSI reference document through NAESB by contacting the NAESB office. This option is no longer offered by ANSI therefore the language needs to be removed as approved by the WGQ Executive Committee on March 28, 2019. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc18005_rec_032819.docx <i>(Effective April 29, 2019)</i> |

Appendix F – Minor Corrections Applied

| EC Meeting Date | Meeting Minutes, Notational Ballots and Results | Minor Corrections |
|-----------------|---|---|
| | | <p>Minor correction MC19001 – Minor correction to be included in NAESB WGQ Version 3.2 of the Implementation Guide for the data set: NAESB WGQ Standard No. 1.4.6 - Scheduled Quantity for Operator. In the Scheduled Quantity for Operator (1.4.6) data set, for data element ‘Scheduling Status’, the EBB Usage is missing and needs to add the EBB Usage of ‘MA’ Mutually Agreeable in the next version of the NAESB Standards as approved by the WGQ Executive Committee on March 28, 2019. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc19001_rec_032819.docx (Effective April 29, 2019)</p> <p>Minor correction MC19002 – Minor correction to be included in NAESB WGQ Version 3.2 of the Implementation Guides for the data sets: NAESB WGQ Standard No. 5.4.25 - Bid and NAESB WGQ Standard No. 5.4.26 - Award Download. In R17009, data element ‘Pressure Base Indicator Description’ was added to the Bid (5.4.25) and Award Download (5.4.26) data sets. However, the Business Name Abbreviation was submitted incorrectly, missing the ‘Desc’ and needs to be added as approved by the WGQ Executive Committee on March 28, 2019. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc19002_rec_032819.docx (Effective April 29, 2019)</p> <p>Minor correction MC19003 - Minor correction to be included in NAESB WGQ Version 3.2 of the Implementation Guide for the data set: NAESB WGQ Standard No. 3.4.1 - Transportation/Sales Invoice. The EDI Mapping Guidelines for the Transportation/Sales Invoice (3.4.1) does not correctly show the ‘Replacement Shipper Maximum Daily Quantity’ data element in the QTY Segment as Sender’s Option. The minor correction proposes the correction to the EDI Mapping Guidelines as approved by the WGQ Executive Committee on March 28, 2019. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc19003_rec_032819.docx (Effective April 29, 2019)</p> <p>Minor correction MC19004 - Minor correction to be included in NAESB WGQ Version 3.2 of the WGQ Capacity Release Related Standards to modify the ‘Transactional Reporting’ section of the Executive Summary to remove references to the use of the Upload of Request for Download of Posted Datasets and Response to Upload of Request for download of Posted Datasets as approved by the WGQ Executive Committee on March 28, 2019. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc19004_rec_032819.docx (Effective April 29, 2019)</p> <p>Minor correction MC19005 – Minor correction to be included in NAESB WGQ Version 3.2 of the WGQ Implementation Guides for NAESB WGQ Standard No. 3.4.1 - Transportation/Sales Invoice and NAESB WGQ Standard No. 3.4.2 Payment Remittance. The Data Element Cross Reference to ASC X12 and the EDI Mapping Guidelines for the Transportation/Sales Invoice (3.4.1) and the Payment Remittance (3.4.2) do not correctly show the Contact Person data elements in the PER Segment as approved by the WGQ Executive Committee on March 28, 2019. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc19005_rec_032819.docx (Effective April 29, 2019)</p> |

Appendix F – Minor Corrections Applied

| EC Meeting Date | Meeting Minutes, Notational Ballots and Results | Minor Corrections |
|-----------------|---|--|
| | | <p>Minor correction MC19007 - Minor correction to be included in NAESB WGQ Version 3.2 of the WGQ Implementation Guides for NAESB WGQ Standard No. 3.4.1 - Transportation/Sales Invoice. The minor correction proposes a review of the Code Values Dictionary and the Transaction Set Tables for data element Charge Type in the Transportation/Sales Invoice (3.4.1) to determine which code value is correct and what modifications, if any, should be made, as discrepancies were discovered by the WGQ Joint IR/Technical Subcommittees as approved by the WGQ Executive Committee on March 28, 2019.</p> <p>Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc19007_rec_032819.docx (Effective April 29, 2019)</p> |
| 10-17-19 | <p>Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec101719fm.docx</p> | <p>Minor correction MC19010 - Minor correction to be included in NAESB WGQ Version 3.2 for NAESB WGQ Standard No. 1.4.2 - Nomination Quick Response proposes to modify the condition of Service Requester Contract for Pathed Non-Threaded (Unthreaded) segment as approved by the WGQ Executive Committee on October 17, 2019.</p> <p>Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc19010_rec_101719.docx (Effective November 22, 2019)</p> <p>Minor correction MC19012 - Minor correction to be included in NAESB WGQ Version 3.2 for NAESB WGQ Standard No. 1.4.2 - Nomination Quick Response proposes to add an additional Entity Identifier Code and Identification Code to accommodate the new Service Requester Agent data element as approved by the WGQ Executive Committee on October 17, 2019.</p> <p>Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc19012_rec_101719.docx (Effective November 22, 2019)</p> <p>Minor correction MC19014 – Minor correction to be included in NAESB WGQ Version 3.2 for NAESB WGQ Standard No. 2.4.3 – Allocation proposes to update the usage Note for Upstream Identification Code/Downstream Identification Code and add Route as a conditional data element for Allocation Transaction Type 15R/15D as approved by the WGQ Executive Committee on October 17, 2019.</p> <p>Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc19014_rec_101719.docx (Effective November 22, 2019)</p> <p>Minor correction MC19017 - Minor correction to be included in NAESB WGQ Version 3.2 of NAESB WGQ Standard No. 1.4.1 (Nomination) to correct the Code Value Definition for the Transaction Type = PAL Balancing (148). The current definition limits nominated quantity transfer between locations only. PAL Balancing can also be done by transferring quantities between contracts as approved by the WGQ Executive Committee on October 17, 2019.</p> <p>Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc19017_rec_101719.docx (Effective November 22, 2019)</p> |

Appendix F – Minor Corrections Applied

| EC Meeting Date | Meeting Minutes, Notational Ballots and Results | Minor Corrections |
|-----------------|---|--|
| | | <p>Minor correction MC19018 - Minor correction to be included in NAESB WGQ Version 3.2 of NAESB WGQ Standard No. 1.4.1 (Nomination) to correct the usage for Route in the Pathed Non-Threaded Unthreaded transactions. 1) Routes do not exist for the Pathed Non-Threaded Unthreaded transactions. The current usage is Business Conditional and should be "nu" similar to the Receipt Rank, Delivery Rank as approved by the WGQ Executive Committee on October 17, 2019. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc19018_rec_101719.docx (Effective November 22, 2019)</p> <p>Minor correction MC19019 - Minor correction to be included in NAESB WGQ Version 3.2 of NAESB WGQ Standard Nos. 5.4.24 (Offer) and 5.4.26 (Award) to correct the Transaction Set Tables descriptions to match the Code Values Dictionary Description as approved by the WGQ Executive Committee on October 17, 2019. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc19019_rec_101719.docx (Effective November 22, 2019)</p> |
| 02-20-20 | Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec022020fm.docx | <p>Minor correction MC19020 - Minor correction to be included in NAESB WGQ Version 3.2 of NAESB WGQ Standard No. 2.4.6 (Measured Volume Audit Statement) proposes a separation of elements in the transaction set table for the data element Component and Unit of Measure as approved by the WGQ Executive Committee on February 20, 2020. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc19020_rec_022020.docx (Effective March 23, 2020)</p> <p>Minor correction MC19021 - Minor correction to be included in NAESB WGQ Version 3.2 of NAESB WGQ Standard Nos. 1.4.1 (Nomination), 1.4.5 (Scheduled Quantity), 2.4.4 (Shipper Imbalance) and 3.4.1 (Transportation / Sales Invoice) proposes the addition of 4 new code values for the data element Transaction Type to allow for meter bounce transactions for park and loan agreements as approved by the WGQ Executive Committee on February 20, 2020. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc19021_rec_022020.docx (Effective March 23, 2020)</p> |
| 07-08-20 | Meeting Minutes: https://www.naesb.org/pdf4/wgq_ec070820dm.docx | <p>Minor correction MC20003 – Minor correction to be included in NAESB WGQ Version 3.2 of NAESB WGQ Standard No. 3.4.1 (Transportation / Sales Invoice) proposes the addition of a new code value for the data element Charge Type to identify the type of charge rendered under a specific type of charge as approved by the WGQ Executive Committee on July 8, 2020. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc20003_rec_070820.docx (Effective August 9, 2020)</p> <p>Minor correction MC20004 - Minor correction to be included in NAESB WGQ Version 3.2 of NAESB WGQ Standard No. 5.4.24 (Offer) proposes the addition of 4 new code values for the data element Release Type to allow for the additional classification of the capacity release as approved by the WGQ Executive Committee on July 8, 2020. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc20004_rec_070820.docx (Effective August 9, 2020)</p> |

Appendix F – Minor Corrections Applied

| EC Meeting Date | Meeting Minutes, Notational Ballots and Results | Minor Corrections |
|-----------------|---|---|
| | | <p>Minor correction MC20005 – Minor correction to be included in NAESB WGQ Version 3.2 proposes to add code values to the Capacity Type Location Indicator Data Element to NAESB WGQ Standard Nos. 5.4.20 (Transactional Reporting – Capacity Release), 5.4.21 (Transactional Reporting – Firm Transportation), 5.4.24 (Offer), 5.4.25 (Bid) and 5.4.26 (Award Download) as approved by the WGQ Executive Committee on July 8, 2020. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc20005_rec_070820.docx (Effective August 9, 2020)</p> <p>Minor correction MC20007 – Minor correction to be included in NAESB WGQ Version 3.2 proposes to add code values for the data element Validation Code to NAESB WGQ Standard No. 1.4.2 (Nomination Quick Response) as approved by the WGQ Executive Committee on July 8, 2020. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc20007_rec_070820.docx (Effective August 9, 2020)</p> <p>Minor correction MC20008 – Minor correction to be included in NAESB WGQ Version 3.2 proposes to clean up formatting and correct typos in the NAESB Quadrant Electronic Delivery Mechanism Related Standards prior to publication of version 3.2 as approved by the WGQ Executive Committee on July 8, 2020. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc20008_rec_070820.docx (Effective August 9, 2020)</p> <p>Minor correction MC20009 – Minor correction to be included in NAESB WGQ Version 3.2 proposes to add a new code value for the data element Transaction Type in NAESB WGQ Standard No. (Transportation/Sales Invoice) to add clarity to TSP’s invoice for underrun penalty as approved by the WGQ Executive Committee on July 8, 2020. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc20009_rec_070820.docx (Effective August 9, 2020)</p> <p>Minor correction MC20010 – Minor correction to be included in NAESB WGQ Version 3.2 proposes to add a new code value(s) for ‘Service Requester Level Charge/Allowance Amount Descriptor’ to NAESB WGQ Standard No. 3.4.1 (Transportation/Sales Invoice) as approved by the WGQ Executive Committee on July 8, 2020. Recommendation: https://www.naesb.org/member_login_check.asp?doc=wgq_mc20010_rec_070820.docx (Effective August 9, 2020)</p> |

Procedures for Minor Corrections as excerpted from the NAESB Operating Procedures

D. Minor Clarifications and Corrections to Standards

Minor clarifications and corrections to existing standards include: (a) clarifications or corrections made by a regulatory agency to standards that are of a jurisdictional nature, or by the American National Standards Institute or its successor; (b) clarifications or corrections to the format, appearance, or descriptions of standards in standards documentation; (c) clarifications or corrections to add code values to tables; and (d) clarifications and corrections that do not materially change a standard. Any request for a minor clarification or correction to an existing standard should be submitted in writing to the executive director. This request shall include a description of the minor clarification or correction and the reason the clarification or correction should be implemented.

1. Processing of Requests

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

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

2. Public Notice

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

3. Final Disposition of Approved Requests

If no comments are received on an approved request, the standard shall be clarified or corrected as specified in the approved request on the effective date proposed. If comments are received, they shall be forwarded to the members of the applicable quadrant's EC for consideration. Each comment requires a public written response from the applicable quadrant's EC. The applicable quadrant's EC shall determine whether changes are necessary as a result of the comments. Members of the applicable quadrant's EC shall be given three working days to consider the comments and determine the outcome, which shall be decided by a simple majority of the votes received. A meeting to discuss the request is not required; the decision may be made by notational vote. The standard shall be clarified or corrected in accordance with the outcome of the vote, effective with the completion of voting, and notice thereof shall be posted on the NAESB website. In the case of minor corrections which are discovered during the editorial review process of publication of a new version and are categorized as clarifications under (b) or (c) above¹, the proposed effective date may be (i) two weeks from the date of public notice, following simple majority approval by the applicable Quadrant(s) EC(s) of the shortened effective date, or (ii) one month from the date of the public notice. For all others, the proposed effective date of the minor clarification or correction shall normally be one month from the date of the public notice upon simple majority approval of the applicable Quadrant(s) EC(s).

¹ Minor clarifications and corrections to existing standards include: (a) clarifications or corrections made by a regulatory agency to standards that are of a jurisdictional nature, or by the American National Standards Institute or its successor; (b) clarifications or corrections to the format, appearance, or descriptions of standards in standards documentation; (c) clarifications or corrections to add code values to tables; and (d) clarifications and corrections that do not materially change a standard.

| Appendix G - Entities with Access to NAESB Standards ¹ | | |
|---|----------------------|--|
| Quadrant | Segment ² | Organization |
| WGQ | s | 44Farris, LLC |
| WEQ | ts | 8760, Inc. |
| WGQ | s | 8760, Inc. |
| WEQ | ts | Adapt2 Solutions, Inc. |
| WEQ | d | Alabama Municipal Electric Authority |
| WGQ | s | ALFA Corporativo S.A. de C.V. |
| WGQ | pl | Alliance Pipeline, LP |
| WGQ | s | Ambit Energy Holdings, LLC |
| WEQ | g | American Electric Power Service Corp. |
| WGQ | l | American Gas Association |
| WEQ | m | American Municipal Power, Inc. |
| RMQ | g | American Public Gas Association (APGA) |
| WEQ | d | American Public Power Association |
| WGQ | pr | Anadarko Energy Services Company |
| WGQ | e | Argonne National Laboratory |
| RMQ | e | Arizona Corporation Commission |
| WEQ | t | Arizona Public Service Company |
| WEQ | t | Associated Electric Cooperative, Inc. |
| WGQ | pl | Atmos Energy |
| WEQ | t | AVANGRID |
| WEQ | g | Avangrid Renewables, LLC |
| WEQ | t | Avista Corporation |
| WEQ | g | Basin Electric Power Cooperative |
| WEQ | m | Basin Electric Power Cooperative |
| WEQ | t | Basin Electric Power Cooperative |
| WEQ | t | BC Hydro |
| RMQ | s | Big Data Energy Services |
| WEQ | g | Black Hills Corporation (<i>Black Hills Power, Inc.</i>) |
| WGQ | s | Blackstone Technology Group, Inc. |

¹ Please note that access by an entity does not extend to the entity's affiliates, partners, divisions or other corporate structures.

² The segment abbreviations are: **RXQ**: u – retail electric utilities, g – retail gas market interests, e – retail electric end users/public agencies, s – retail electric service providers/suppliers. **WEQ**: m – marketer/broker, d – distribution, i – independent grid operators/planners, t – transmission owner, e – end user, g – generator, ts – technology/services. **WGO**: s – services, pl – pipeline, l – LDC, pr – producer, e – end user.

| Appendix G - Entities with Access to NAESB Standards¹ | | |
|---|----------------------------|--|
| Quadrant | Segment² | Organization |
| WGQ | pl | Boardwalk Pipelines |
| WEQ | d | Bonneville Power Administration |
| WEQ | g | Bonneville Power Administration |
| WEQ | m | Bonneville Power Administration |
| WEQ | t | Bonneville Power Administration |
| WGQ | pr | BP Energy |
| RMQ | e | California Energy Commission |
| WEQ | e | California Energy Commission |
| WGQ | e | California Energy Commission |
| WEQ | i | California ISO |
| RMQ | e | California Public Utilities Commission |
| WEQ | e | California Public Utilities Commission |
| WGQ | e | Calpine Corporation |
| WGQ | l | Cascade Natural Gas Corporation |
| WGQ | s | Castleton Commodities Merchant Trading L.P. |
| RMQ | u | CenterPoint Energy Houston Electric, LLC |
| WGQ | s | CenterPoint Energy Services, Inc. |
| WEQ | d | Central Electric Power Cooperative |
| WGQ | s | Centro Nacional de Control del Gas Natural (CENAGAS) |
| WGQ | pl | Cheniere Creole Trail Pipeline, LP |
| WGQ | pr | Chevron Natural Gas |
| WGQ | pr | Cimarex Energy Co |
| WGQ | s | Citigroup Energy, Inc. |
| RMQ | e | City of Houston |
| WGQ | l | Colorado Springs Utilities |
| WEQ | g | ConnectGEN Operating LLC |
| WGQ | pr | ConocoPhillips Company |
| WGQ | l | Consolidated Edison Company of NY |
| WEQ | e | Corpus Christi Liquefaction, LLC |
| WGQ | pl | Crestwood Equity Partners LP |
| WGQ | pl | Dauphin Island Gathering Partners |
| WGQ | e | Department of Energy |
| WEQ | g | Deseret Generation & Transmission Co-operative |

| Appendix G - Entities with Access to NAESB Standards¹ | | |
|---|----------------------------|---|
| Quadrant | Segment² | Organization |
| WGQ | pr | Devon Energy Corporation |
| RMQ | u | Dominion Energy |
| WGQ | l | Dominion Energy Inc. |
| WEQ | t | Dominion Energy South Carolina, Inc. |
| WGQ | pl | Dominion Energy Transmission Inc. |
| WEQ | g | Dominion Resources Services, Inc. |
| WGQ | s | DTE Energy Trading, Inc. |
| WGQ | l | DTE Gas Company |
| RMQ | u | Duke Energy Corporation |
| WEQ | d | Duke Energy Corporation |
| WEQ | t | Duke Energy Corporation |
| WGQ | pl | Eastern Shore Natural Gas Company |
| WEQ | n | Edison Electric Institute |
| WEQ | t | El Paso Electric |
| RMQ | e | Electric Reliability Council of Texas, Inc. (ERCOT) |
| WEQ | i | Electric Reliability Council of Texas, Inc. (ERCOT) |
| WGQ | s | Emera Energy Services, Inc. |
| RMQ | s | Emil Pena Interests, Inc. (EPII) |
| WGQ | s | Enable Energy Resources, LLC |
| WGQ | pl | Enable Gas Transmission, LLC |
| WGQ | pl | Enable Mississippi River Transmission, LLC |
| WGQ | pl | Enbridge (U.S.) Inc. |
| WGQ | pl | Energy Transfer Equity, L.P. |
| WEQ | t | Entergy Services, Inc. |
| WGQ | e | Entergy Services, Inc. |
| WGQ | e | Environmental Defense Fund, Inc. |
| WGQ | pr | EP Energy E&P Company, L.P. |
| WGQ | pl | EQM Midstream Partners, LP |
| WEQ | ts | EVC Insights LLC |
| WEQ | m | Exelon Generation Company, LLC |
| WGQ | s | Exelon Generation Company, LLC |
| WGQ | pr | Exxon Mobil Corporation |
| WEQ | ts | FIS |

| Appendix G - Entities with Access to NAESB Standards¹ | | |
|---|----------------------------|---|
| Quadrant | Segment² | Organization |
| WGQ | s | FIS |
| WEQ | d | Florida Municipal Power Agency |
| WEQ | g | Florida Municipal Power Agency |
| WEQ | m | Florida Power & Light Company |
| WEQ | t | Florida Power & Light Company |
| WGQ | e | Florida Power & Light Company |
| WGQ | pl | Florida Southeast Connection LLC |
| WGQ | pl | Freeport LNG Development L.P. |
| WEQ | t | Georgia Transmission Corporation |
| WEQ | e | GMO GlobalSign, Inc. |
| WGQ | pl | Golden Pass Pipeline, LLC |
| WGQ | pl | Golden Triangle Storage, Inc. |
| RMQ | s | Green Button Alliance |
| WGQ | s | Gunvor USA LLC |
| WEQ | ts | Hartigen Solutions LLC |
| WEQ | t | Hydro - Quebec Transenergie |
| WGQ | l | Iberdrola USA Management Corporation (Rochester Gas and Electric Corp) |
| WEQ | t | Idaho Power Company |
| WEQ | e | Idaho Public Utilities Commission |
| WGQ | e | Idaho Public Utilities Commission |
| WGQ | pl | IEnova Pipelines, S de R.L. de C.V. |
| RMQ | e | Illinois Commerce Commission |
| WGQ | e | Imperial Irrigation District |
| WEQ | g | Indiana Municipal Power Agency |
| WGQ | pl | Iroquois Gas Transmission System |
| WEQ | i | ISO New England, Inc. |
| WEQ | t | JEA |
| WGQ | s | JP Morgan Chase Bank, NA |
| WEQ | g | KCP&L and Westar, Evergy Companies |
| WEQ | t | KCP&L and Westar, Evergy Companies |
| WGQ | pl | Kern River Gas Transmission Company |
| WGQ | pl | Kinder Morgan Inc |
| WGQ | pl | Kinetica Partners, LLC |

| Appendix G - Entities with Access to NAESB Standards¹ | | |
|---|----------------------------|--|
| Quadrant | Segment² | Organization |
| RMQ | g | Latitude Technologies LLC |
| WGQ | s | Latitude Technologies LLC |
| WEQ | t | LG&E and KU Services Company |
| WEQ | m | Los Angeles Department of Water and Power |
| WEQ | t | Los Angeles Department of Water and Power |
| WGQ | s | Macquarie Energy LLC |
| WEQ | e | Maine Public Utilities Commission |
| WEQ | t | Manitoba Hydro |
| RMQ | e | Maryland Public Service Commission |
| WEQ | t | MATL LLP |
| WGQ | s | Mercuria Energy America, Inc. |
| WEQ | m | MidAmerican Energy Company |
| WGQ | e | Midcontinent Independent System Operator, Inc. |
| RMQ | e | Minnesota Public Utilities Commission |
| WEQ | e | Minnesota Public Utilities Commission |
| WEQ | i | MISO |
| WEQ | d | Missouri River Energy Services |
| WEQ | ts | Monitoring Analytics, LLC |
| WEQ | t | Morgan, Lewis & Bockius LLP |
| WEQ | m | Municipal Energy Agency of Nebraska |
| WEQ | m | Nalcor Energy |
| WGQ | s | NatGasHub.com |
| RMQ | e | National Association of Regulatory Utility Commissioners |
| WEQ | e | National Association of Regulatory Utility Commissioners |
| WGQ | l | National Fuel Gas Distribution Corporation |
| WGQ | pl | National Fuel Gas Supply Corp. |
| WGQ | l | National Grid |
| WEQ | ts | National Institute of Standards and Technology |
| WEQ | d | National Rural Electric Cooperative Association |
| RMQ | g | Naturgy Servicios S.A. de C.V. |
| WEQ | t | Nebraska Public Power District |
| RMQ | e | New Jersey Board of Public Utilities |
| WEQ | g | New Jersey Board of Public Utilities |

| Appendix G - Entities with Access to NAESB Standards¹ | | |
|---|----------------------------|--|
| Quadrant | Segment² | Organization |
| WGQ | l | New Jersey Natural Gas |
| WEQ | i | New York Independent System Operator, Inc. |
| WEQ | d | New York State Reliability Council |
| WGQ | l | NiSource Inc. |
| WGQ | s | NJR Energy Services Company |
| WEQ | d | North American Electric Reliability Corporation (NERC) |
| WEQ | e | North American Electric Reliability Corporation (NERC) |
| WEQ | d | North Carolina Electric Membership Corporation |
| WGQ | pl | Northern Natural Gas |
| WGQ | l | Northwest Natural Gas Company |
| WEQ | t | NorthWestern Corporation |
| WEQ | g | NRG Energy, Inc. |
| WEQ | m | NV Energy |
| WEQ | t | NV Energy, Inc. |
| RMQ | u | Oncor Electric Delivery Company LLC |
| WGQ | l | ONE Gas, Inc. |
| WGQ | pl | ONEOK, Inc. |
| RMQ | e | Ontario Ministry of Energy |
| WEQ | e | Open Access Technology International, Inc. |
| WEQ | t | Open Access Technology International, Inc. |
| RMQ | s | Open Energy Solutions, Inc. |
| WGQ | s | Ovintiv Marketing Inc. |
| WGQ | l | Pacific Gas and Electric Company |
| WEQ | m | PacifiCorp |
| WEQ | t | PacifiCorp |
| WGQ | pl | Paiute PipeLine Company |
| RMQ | e | Pennsylvania Office of Consumer Advocate |
| RMQ | g | Pennsylvania Office of Consumer Advocate |
| RMQ | e | Pennsylvania Public Utility Commission |
| WGQ | l | Peoples Gas System |
| WGQ | l | Piedmont Natural Gas |
| WEQ | i | PJM Interconnection, LLC |
| WEQ | t | Portland General Electric |

| Appendix G - Entities with Access to NAESB Standards¹ | | |
|---|----------------------------|--|
| Quadrant | Segment² | Organization |
| WGQ | e | Power Authority of the State of New York (dba NYPA) |
| WEQ | ts | Power Costs, Inc. (PCI) |
| WEQ | m | Powerex Corp. |
| WEQ | d | PowerSouth Energy Cooperative |
| WEQ | m | Public Service Company of New Mexico |
| RMQ | e | Public Utilities Commission of Ohio |
| WEQ | e | Public Utilities Commission of Ohio |
| RMQ | e | Public Utility Commission of Texas |
| WEQ | t | Puget Sound Energy, Inc. |
| WGQ | s | Quorum Business Solutions Inc. |
| WGQ | s | RBN Energy LLC |
| RMQ | e | Regulatory Commission of Alaska, Dept of Commerce, Community & Economic Development |
| WEQ | ts | Reliable Energy Analytics |
| WGQ | e | Sabine Pass Liquefaction, LLC |
| WEQ | d | Sacramento Municipal Utility District |
| WGQ | e | Salt River Project Agricultural Improvement & Power District |
| WEQ | t | San Diego Gas & Electric Company |
| WEQ | t | Santee Cooper |
| WEQ | t | SaskPower Corporation |
| WEQ | e | Seattle City Light |
| WEQ | m | Seattle City Light |
| WEQ | m | Seminole Electric Cooperative, Inc. |
| WGQ | pl | Sempra LNG, LLC |
| WGQ | s | Sequent Energy Management, L.P. |
| WGQ | s | Shell Energy North American (US), L.P. |
| WGQ | s | Skipping Stone, LLC |
| WEQ | d | Snohomish County PUD No. 1 |
| WEQ | ts | SoftSmiths, Inc. |
| WGQ | l | Southern California Gas Company |
| WGQ | l | Southern Company Gas |
| RMQ | u | Southern Company Services, Inc. |
| WEQ | g | Southern Company Services, Inc. |
| WEQ | m | Southern Company Services, Inc. |

| Appendix G - Entities with Access to NAESB Standards¹ | | |
|---|----------------------------|---|
| Quadrant | Segment² | Organization |
| WEQ | t | Southern Company Services, Inc. |
| WGQ | e | Southern Company Services, Inc. |
| WGQ | pl | Southern Star Central Gas Pipeline |
| WGQ | l | Southwest Gas Corporation |
| WEQ | i | Southwest Power Pool |
| WGQ | l | Spire Inc. |
| RMQ | g | Sprague Operating Resources LLC |
| WEQ | e | SSL.com |
| WGQ | pr | SWN Energy Services Company, LLC |
| RMQ | g | Systrends USA |
| WEQ | d | Tacoma Power |
| WGQ | pl | Tallgrass Operations, LLC |
| WEQ | d | Tampa Electric Company |
| WGQ | pl | TC Energy Corporation |
| WEQ | g | Tenaska, Inc. |
| WEQ | g | Tennessee Valley Authority |
| WEQ | m | Tennessee Valley Authority |
| WEQ | t | Tennessee Valley Authority |
| WGQ | e | Tennessee Valley Authority |
| WEQ | t | The Connecticut Light and Power Company |
| WGQ | s | The Energy Authority, Inc. |
| WGQ | s | Third Coast Midstream, LLC |
| WGQ | s | Tieto |
| WGQ | s | Tiger Natural Gas |
| WEQ | g | Tri-State G&T Association, Inc. |
| WEQ | t | Tri-State Generation and Transmission Association, Inc. |
| WEQ | t | Tucson Electric Power Company |
| WEQ | m | Turlock Irrigation District |
| WGQ | pl | UGI Central Gas Control, LLC |
| WGQ | l | Unitil Service Corporation |
| WGQ | pl | Vector Pipeline L.P. |
| WEQ | g | Vermont Public Power Supply Authority |
| RMQ | e | Vermont Public Service Board |

| Appendix G - Entities with Access to NAESB Standards¹ | | |
|---|----------------------------|--|
| Quadrant | Segment² | Organization |
| WEQ | e | Vermont Public Service Board |
| WEQ | t | Versant Power |
| WEQ | g | Wabash Valley Power Association |
| WGQ | pl | WBI Energy Transmission, Inc. |
| WEQ | d | We Energies (Wisconsin Electric) |
| WEQ | g | We Energies (Wisconsin Electric) |
| RMQ | g | WEC Energy Group |
| RMQ | u | WEC Energy Group |
| WGQ | l | WEC Energy Group |
| WEQ | m | Western Area Power Administration |
| WEQ | t | Western Area Power Administration |
| WEQ | t | Western Electricity Coordinating Council |
| WGQ | pl | Williams |
| WGQ | s | World Fuel Services, Inc. |
| WEQ | d | WPPI Energy |
| WGQ | s | WPX Energy Marketing, LLC |
| WEQ | m | Xcel Energy Inc. |
| RMQ | s | Xtensible Solutions LLC |
| RMQ | e | ZigBee Alliance |
| RMQ | s | Znalytics, LLC |

| Appendix H - Entities without Recorded Access to the Most Recently Mandated NAESB WGQ Standards, Version 3.1¹ |
|---|
| Organization |
| Arlington Storage Company, LLC |
| BBT AlaTenn, LLC |
| BBT Midla, LLC |
| BBT Trans-Union Interstate Pipeline, L.P. |
| Bluewater Gas Storage, LLC |
| Cadeville Gas Storage LLC |
| Caledonia Energy Partners, L.L.C. |
| Cameron Interstate Pipeline, LLC |
| Centra Pipelines Minnesota Inc. |
| Chandeleur Pipe Line, LLC |
| Clear Creek Storage Company, L.L.C. |
| Cotton Valley Compression, L.L.C. |
| Destin Pipeline Company, L.L.C. |
| Empire Pipeline, Inc. |
| Freebird Gas Storage, L.L.C. |
| Granite State Gas Transmission, Inc. |
| Greylock Pipeline, LLC |
| Gulf Shore Energy Partners, LP |
| Hampshire Gas Company |
| High Island Offshore System, L.L.C. |
| High Point Gas Transmission, LLC |
| Honeoye Storage Corporation |
| Kinetica Deepwater Express, LLC |
| KO Transmission Company |
| LA Storage, LLC |
| Leaf River Energy Center LLC |

¹ Please note that access by an entity does not extend to the entity's affiliates, partners, divisions or other corporate structures.

| Appendix H - Entities without Recorded Access to the Most Recently Mandated NAESB WGQ Standards, Version 3.1¹ |
|---|
| Organization |
| Liberty Gas Storage, LLC |
| Mississippi Hub, LLC |
| MoGas Pipeline LLC |
| Monroe Gas Storage Company, LLC |
| National Grid LNG, LLC |
| Paulsboro Natural Gas Pipeline Company LLC |
| Perryville Gas Storage LLC |
| Questar Southern Trails Pipeline Company |
| Rendezvous Pipeline Company, LLC |
| Sabine Pipe Line LLC |
| Stagecoach Pipeline & Storage Company LLC |
| Steuben Gas Storage Company |
| Total Peaking Services, L. L. C. |
| Tres Palacios Gas Storage LLC |
| UGI LNG Inc. |
| UGI Storage Company |
| West Texas Gas, Inc. |
| Western Gas Interstate Company |
| WestGas InterState, Inc |
| WTG Hugoton, LP |
| Wyckoff Gas Storage Company, LLC |