



## NORTH AMERICAN ENERGY STANDARDS BOARD

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September 29, 2023  
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-\_\_\_\_.)

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 4.0 of the NAESB Wholesale Gas Quadrant (“WGQ”) Business Practice Standards published today, September 29, 2023. This version is comprised of the standards adopted by NAESB since the last WGQ publication in August 2020. A summary of the modifications which resulted in Version 4.0 is included in the attached report, along with a description of the standards that were created or modified as part of the publication.

The standards referenced in this submittal include 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. Specifically, Version 4.0 includes several revisions to enhance the cybersecurity-related standards included in the NAESB WGQ Business Practice Standards, including standards that support the use of multi-factor authentication and new guidance encouraging the practice of whitelisting. This version also contains revisions to promote increased efficiencies in conducting commercial transactions as well as two new addendums to the NAESB Base Contract for the Sale and Purchase of Natural Gas that support transactions for certified gas and renewable natural gas. The WGQ Executive Committee approved, and the WGQ membership ratified, all standards included in this version and referenced herein.<sup>1</sup>

As with all NAESB Business Practice Standards, the standard additions and revisions included as part of WGQ Version 4.0 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 process were given an equal opportunity to voice their positions and vote on the proposed standards created by the NAESB subcommittees. Interested parties unable to attend meetings or conference calls were also given an opportunity to participate by preparing written comments that were made publicly available and considered in the development process. All documentation regarding standards development is accessible through the NAESB homepage ([www.naesb.org](http://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 4.0 of the NAESB WGQ Business Practice Standards.

Respectfully submitted

  
Ms. Rae McQuade  
President, North American Energy Standards Board

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<sup>1</sup> 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](https://www.naesb.org/misc/NAESB_Nonmember_Evaluation.pdf).

cc with enclosures:

Chairman, Willie L. Phillips, Federal Energy Regulatory Commission  
Commissioner, Allison Clements, Federal Energy Regulatory Commission  
Commissioner, Mark C. Christie, Federal Energy Regulatory Commission  
Commissioner, James Danly, Federal Energy Regulatory Commission

Mr. Matthew Christiansen, General Counsel, Office of the General Counsel, Federal Energy  
Regulatory Commission  
Mr. Joseph H. 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 CEO, North American Energy Standards Board  
Ms. Valerie Crockett, Vice Chairman, North American Energy Standards Board  
Mr. Jonathan Booe, Executive Vice President and COO, 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](http://www.naesb.org))

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|------------|-------------------------------------------------------------------------------------------------|
| Appendix A | Links to Executive Committee Meeting Minutes, Comments, and Voting Records                      |
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UNITED STATES OF AMERICA  
FEDERAL ENERGY REGULATORY COMMISSION

Standards for Business Practices  
of Natural Gas Pipelines

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Docket No. RM96-1-\_\_\_

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.<sup>1</sup> The report provides a summary of Version 4.0 of the Wholesale Gas Quadrant (“WGQ”) Business Practice Standards, published on September 29, 2023 and available for download on the NAESB website.<sup>2</sup> 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 3.2 in September 2020 through September 2023.

Version 4.0 of the WGQ Business Practice Standards marks the sixteenth 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 as Version 1.6 of the WGQ Business Practice Standards<sup>3</sup> in July 2002.<sup>4</sup> Since this time, NAESB has adopted Version 1.7,<sup>5</sup> Version 1.8,<sup>6</sup> Version 1.9,<sup>7</sup> Version 2.0,<sup>8</sup> Version 2.1,<sup>9</sup> Version 3.0,<sup>10</sup> Version 3.1,<sup>11</sup> and Version 3.2<sup>12</sup> of the WGQ Business Practice Standards.

As described in this informational report, Version 4.0 of the WGQ Business Practice Standards incorporates many new and revised standards to respond to both industry requests and directives from the NAESB Board of Directors. These include modifications that will strengthen the cybersecurity protections provided within the standards as well as changes to promote greater efficiency in business processes and commercial transactions. This version contains one new suite of standards, the WGQ Cybersecurity Related Standards, created through the reorganization of existing cybersecurity-related standards into a single book. Finally, two new addendums to the NAESB Base Contract for the Sale and Purchase of Natural Gas, the Certified Gas Addendum and Renewable Natural Gas Addendum were added as part of WGQ Version 4.0.

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 herein. The following sections contain a high-level overview of all standards additions and modifications applied to Version 4.0 of the WGQ Business Practice Standards as well as more

<sup>1</sup> 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).

<sup>2</sup> 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](https://www.naesb.org/misc/NAESB_Nonmember_Evaluation.pdf).

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

<sup>4</sup> NAESB WGQ Version 1.6 Standards in Response to FERC Order Nos. 587 and 637, Docket Nos. RM96-1 et al, RM98-10, available at [https://www.naesb.org/member\\_login\\_check.asp?doc=ferc100402.pdf](https://www.naesb.org/member_login_check.asp?doc=ferc100402.pdf). (Submitted October 4, 2002).

<sup>5</sup> NAESB WGQ Version 1.7 Standards in Response to FERC Order Nos. 587 and 637, Docket Nos. RM96-1-026, available at <https://www.naesb.org/protected/ferc041404.pdf> (Submitted April 14, 2004).

<sup>6</sup> NAESB WGQ Version 1.8 Standards in Response to FERC Order Nos. 587, Docket Nos. RM96-1-029, available at <https://www.naesb.org/protected/ferc091407.pdf> (Submitted September 14, 2007).

<sup>7</sup> NAESB WGQ Version 1.9 Standards in Response to FERC Order Nos. 587, Docket Nos. RM96-1-036, available at [https://www.naesb.org/pdf4/ferc093009\\_naesb\\_wgq\\_1.9\\_filing.pdf](https://www.naesb.org/pdf4/ferc093009_naesb_wgq_1.9_filing.pdf) (Submitted September 30, 2009).

<sup>8</sup> NAESB WGQ Version 2.0 Standards in Response to FERC Order Nos. 587, Docket Nos. RM96-1-037, available at [https://www.naesb.org/pdf4/naesb\\_wgq\\_ver2\\_0\\_report\\_ferc\\_030411.pdf](https://www.naesb.org/pdf4/naesb_wgq_ver2_0_report_ferc_030411.pdf) (Submitted March 4, 2011).

<sup>9</sup> NAESB WGQ Version 2.1 Standards in Response to FERC Order Nos. 587, Docket Nos. RM96-1-038, available at: [https://www.naesb.org/pdf4/ferc072313\\_wgq\\_version\\_2.1\\_filing.pdf](https://www.naesb.org/pdf4/ferc072313_wgq_version_2.1_filing.pdf) (Submitted on July 23, 2013).

<sup>10</sup> NAESB WGQ Version 3.0 Standards in Response to FERC Order Nos. 587, Docket Nos. RM96-1-038, available at: [https://www.naesb.org/pdf4/ferc111414\\_wgq\\_version\\_3.0\\_filing.pdf](https://www.naesb.org/pdf4/ferc111414_wgq_version_3.0_filing.pdf) (Submitted on November 14, 2014).

<sup>11</sup> NAESB WGQ Version 3.1 Standards in Response to FERC Order Nos. 587, Docket Nos. RM96-1-000, available at: [https://www.naesb.org/pdf4/ferc092917\\_wgq\\_version\\_3.1\\_filing.pdf](https://www.naesb.org/pdf4/ferc092917_wgq_version_3.1_filing.pdf) (Submitted September 29, 2017).

<sup>12</sup> NAESB WGQ Version 3.2 Standards in Response to FERC Order Nos. 587, Docket Nos. RM96-1-042, available at: [https://naesb.org/pdf4/naesb\\_081720\\_wgq\\_version\\_3.2\\_report.pdf](https://naesb.org/pdf4/naesb_081720_wgq_version_3.2_report.pdf) (Submitted August 17, 2020).

detailed information concerning the specific standards development activities, including the application of twenty minor corrections. The report concludes with two sections that contain information regarding standard development efforts resulting in no action being taken as well as the NAESB Copyright Policy and access to the NAESB Business Practice Standards.

Accompanying this report are nine enclosures. Appendix A is a list of the WGQ Executive Committee meetings during which recommendations were considered that resulted in Version 4.0 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 2020, 2021, 2022, and 2023 WGQ Annual Plans. Appendix F is a list of the minor corrections contained in this report. Appendix G provides information on the no action recommendations for standards development approved by the WGQ Executive Committee since the last publication. Appendix H lists the NAESB members and non-member companies with valid access to Version 4.0 of the WGQ Standards. Finally, Appendix I is a list of jurisdictional entities that NAESB does not have a record of valid access to the most recently mandated Version 3.2 of the WGQ Business Practice Standards.

### **WGQ Version 4.0 Standards Summary**

The following summary details activities that led to the compilation of Version 4.0 of the WGQ Business Practice Standards. All references in this summary pertain only to the WGQ. Supporting documents, Appendices A through I, are enclosed in this report. All standards that were added or modified as a part of Version 4.0 are contained in a table following this summary. The table cross references the standards to the related request(s) for development and to the actions that were taken.

The summary is organized into three sections. First, the Standards to Support Enhancements to Cybersecurity Protections, contains information on the WGQ activities to enhance the cybersecurity protections included within the standards, including changes to strengthen party authentication through the use of whitelisting and multi-factor authentication. The next section describes the standard development activities intended to improve efficiencies of business processes for transportation service providers and parties interacting with these entities. These changes add new data elements to the WGQ Additional Standards and Capacity Release Related Standards as well as modify existing data elements contained in the WGQ Flowing Gas Related Standards and Invoicing Related Standards. The third section provides a summary of efforts that led to the creation of two new model addendums supporting the NAESB Base Contract for the Sale and Purchase of Natural Gas, NAESB WGQ Standard No. 6.3.1.RG Renewable Natural Gas Addendum and NAESB WGQ Standard No. 6.3.1.CG Certified Gas Addendum, as well as the accompanying technical implementation to enable digital use of the addendums, including on distributed ledgers.

#### **Standards to Support Enhancements to Cybersecurity Protections**

This section describes the standards development efforts undertaken in response to industry requests and through the normal course of WGQ activities that resulted in modifications to the WGQ Cybersecurity Related Standards and the Quadrant Electronic Delivery Mechanism (QEDM) Related Standards. Cybersecurity protections are a fundamental element of the NAESB Business Practice Standards and focus on strengthening the cybersecurity practices utilized by the industry through the mitigation of potential vulnerabilities and the use of secure communication and encryption methodologies.

Prior to WGQ Version 4.0, cybersecurity-related business practices were included as part of the WGQ QEDM Related Standards and the Internet Electronic Transport Related Standards, which together define the electronic communication protocols, including cybersecurity protections, for commercial transactions within the wholesale gas market. As explained in more detail as part of the section of this report that describes the minor corrections made in WGQ Version 4.0, the standards previously included as part of the WGQ Internet Electronic Transport Related Standards and several of the standards previously included in the WGQ QEDM Related Standards have been moved to create the new WGQ Cybersecurity Related Standards. The standards development efforts identified below note any revisions made to either the WGQ Internet Electronic Transport Related Standards or QEDM Related Standards that were subsequently moved to the WGQ Cybersecurity Related Standards.

Two of the modifications made to the NAESB WGQ Cybersecurity Related Standards as part of Version 4.0 are intended to help strengthen the authentication processes used in identification verification for commercial transactions within the wholesale natural gas market. First, to address 2020 WGQ Annual Plan Item 6.c, the

WGQ Electronic Delivery Mechanisms (EDM) Subcommittee proposed modifications to Appendix B of the WGQ Internet Electronic Transport Standards regarding the use of whitelisting. This standards development effort was initiated based on the 2019 Surety Assessment performed by Sandia National Laboratories and sponsored by the U.S. Department of Energy (DoE). As part of the report, Sandia National Laboratories identified additional considerations for NAESB to explore undertaking or general recommendations regarding future cybersecurity needs for the gas and electric industries. Per the suggested consideration made by Sandia National Laboratories, the revised language encourages the use of whitelisting by market participants for file-to-file transactions, such as those conducted via Electronic Data Interchange (EDI)/EDM and Flat File (FF)/EDM. This guidance is now incorporated as part of Appendix D – Frequently Asked Questions (FAQ) in the WGQ Cybersecurity Related Business Practice Standards.

The recommendation was developed over the course of three joint meetings of the WGQ EDM Subcommittee and the Retail Markets Quadrant (RMQ) Information Requirements and Technical Electronic Implementation Subcommittee (IR/TEIS) held between May and September 2020. During a joint meeting on September 28, 2020, the subcommittees voted out the recommendation. The thirty-day formal comment period concluded on November 16, 2020, and no comments were received. The WGQ Executive Committee approved the recommendation on March 11, 2021. NAESB WGQ membership ratified the standards on April 12, 2021.

Next, in support of 2023 WGQ Annual Plan Item 1.c and a subsequent industry-submitted request for standards development, R22003, the WGQ EDM Subcommittee developed modifications to NAESB WGQ Standard No. 12.3.29 to support multi-factor authentication. The revised standard permits a transportation service provider to opt to require two or more forms of authentication for users accessing its customer activities website, as opposed to the use of a single login/password. The standard does not proscribe which types of multi-factor authentication may be used.

The WGQ EDM Subcommittee worked on this effort jointly with the RMQ IR/TEIS, holding an initial meeting on January 13, 2023 before voting out a recommendation on February 8, 2023. In addition to the revisions to NAESB WGQ Standard No. 12.3.29, the recommendation also proposed consistency changes to the Security – Login and Encryption, Flow Diagram, and Security – Authentication and Encryption sections of the WGQ QEDM Related Standards. No formal comments were submitted during the thirty-day formal comment period ending on March 10, 2023. On March 30, 2023, the WGQ Executive Committee approved the recommendation, and NAESB WGQ membership ratified the revised standards on May 1, 2023.

Finally, both the WGQ Cybersecurity Related Standards and the QEDM Related Standards were modified in response to 2023 WGQ Annual Plan Items 1.a and 1.b. The recommendation was developed as part of annual efforts by the WGQ EDM Subcommittee to review and update, as needed, the minimum technical characteristics and guidance for customer activities and informational postings web sites and EDM communications as well as remove any legacy data fields. On February 22, 2022, the WGQ EDM Subcommittee, working jointly with the RMQ IR/TEIS, approved a recommendation proposing the deletion of one data element in the Data Dictionary for Internet ET included in the WGQ Cybersecurity Related Standards as well as numerous changes throughout this manual and the WGQ QEDM Related Standards to correct typographical and capitalization errors.

One set of comments was submitted during the thirty-day formal comment period that concluded on March 23, 2023. The comments proposed minor, non-substantive revisions. The WGQ EDM Subcommittee developed late formal comments incorporating the additional changes as part of the recommendation. On March 30, 2023, the WGQ Executive Committee voted to approve the recommendation as revised by the late formal comments of the WGQ EDM Subcommittee. The standards were ratified by NAESB WGQ membership on May 1, 2023.

## **Modifications to the NAESB WGQ Data Set Standards and Technical Implementation**

The WGQ Business Practice Standards streamline transactional processes for the wholesale gas industry by promoting a more competitive and efficient market. As part of this, the standards include technical details supporting industry implementation of various business processes addressed within the standards and certain requirements for jurisdictional entities promulgated by the Commission as part of 18 C.F.R. § 284. The WGQ Business Practice Standards support uniform and consistent implementation, creating a more efficient marketplace by helping to reduce costs and administrative burdens for market participants.

Since the standards were originally developed, NAESB, through annual plan efforts and in response to industry submitted requests for standards development, has made numerous additions and modifications to ensure that the WGQ Business Practice Standards, including the technical implementation details, continue to meet industry needs. The following section describes the standards development efforts undertaken in response to industry requests that resulted in modifications to existing standards. Specifically, WGQ Version 4.0 includes changes to the data sets that support the technical implementation for the WGQ Additional Standards, Flowing Gas Related Standards, Invoicing Related Standards, and Capacity Release Related Standards.

First, in response to Standards Request R21001, submitted by Northern Natural Gas on April 26, 2021, NAESB modified the WGQ Additional Standards. These standards address six different areas: creditworthiness, storage information, gas/electric operational communications, operational capacity, unsubscribed capacity, and location data download. In the request, Northern Natural Gas proposed the addition of a new data element, “Cycle Indicator,” to the data set for the NAESB WGQ Standard No. 0.4.1 Storage Information. The WGQ Business Practices Subcommittee (BPS), during its July 14, 2021 meeting, reviewed the request and drafted instructions to the joint WGQ Information Requirements/Technical (IR/Tech) Subcommittees to develop a recommendation to add the new data element and review all additional datasets and make corresponding changes, including adding code values, as needed. The joint WGQ IR/Tech Subcommittees met and voted out a recommendation on August 18, 2021. In addition to the new data element “Cycle Indicator,” the recommendation also included thirty new code values and consistency changes to support the use of the new data element.

NAESB WGQ Standard No. 0.4.1 Storage Information addresses the technical details for the reporting of storage balances and the activities that affect storage balances. The new sender’s option data element “Cycle Indicator” will support the reporting of storage information data for each cycle while also allowing parties receiving such information to more easily distinguish between the data for individual transactions. The thirty-day formal comment period ended on September 16, 2021 with no comments submitted. On October 7, 2021, the WGQ Executive Committee adopted the recommendation containing the proposed revisions. NAESB WGQ membership ratified the standards on November 5, 2021.

Also, in support of a request for standards development submitted by Northern Natural Gas, NAESB modified the WGQ Flowing Gas Related Business Practice Standards. Among other areas, these standards define the business processes related to the communication of entitlement rights of flowing gas at a location. Submitted on September 17, 2020 Standards Request R20012 proposed modifications to the existing data element, “Service Requester Contract,” contained in the data set for NAESB WGQ Standard No. 2.4.3 Allocation. This standard supports the communication of the results of processes used to allocate the actual flow of gas quantities to parties involved in a transaction. The “Service Requester Contract” data element is used to identify the applicable contract.

The WGQ BPS met on October 13, 2020 to review the request and forwarded instructions to the joint WGQ IR/Tech Subcommittees to develop the necessary modifications to accommodate the request for standards development. The joint WGQ IR/Tech Subcommittees met on October 19, 2020 and voted out a recommendation the same day. The revisions made as part of the recommendation expand the use of the “Service Requester Contract” data element by changing the usage to mutually agreed, rather than not used, for two transaction types, 10R and 10D, found within the allocation matrix included as part of NAESB WGQ Standard No. 2.4.3. This matrix identifies the data elements needed to communicate the results of the allocation process. Following a thirty-day formal comment period that concluded on November 17, 2020 with no submitted comments, the revisions were adopted by the WGQ Executive Committee on March 11, 2021. On April 12, 2021, NAESB WGQ membership ratified the standards.

Next, NAESB modified the WGQ Invoicing Related Standards which define the process for communicating invoices, details regarding payment remittances, and the financial status of a customer’s account. In response

to Standards Request R20001 submitted by Kinder Morgan, Inc. on October 6, 2020, the condition for the use of the “Charge Type Rate” data element was modified in the data set for NAESB WGQ Standard No. 3.4.1 Transportation/Sales Invoice. This standard supports the communication of invoices between parties for transactions, including natural gas sales, transportation and related charges, and allowances. The “Charge Type Rate” data element allows for the identification of multiple rates that may be applicable for a single transaction or service. The modification to the data element allows transportation service providers to use a “null” value in circumstances where information describing the applicable charge type rate is included as part of miscellaneous notes. This change will increase flexibility regarding invoicing related processes by allowing transportation service providers to make available a summary of the amount due for each line item of an invoice with detailed, breakout information regarding the applicable rate included in other supporting documentation. This may also provide greater clarity to these processes by making it easier for a customer to ascertain the final charge amount.

To develop a recommendation, on December 9, 2020, the WGQ BPS met to review the request and instructed the joint WGQ IR/Tech Subcommittees to modify the data element “Charge Type Rate” as well as review all additional data sets and make corresponding changes as needed. The joint WGQ IR/Tech Subcommittees met on January 20, 2021 and voted out a recommendation. No comments were submitted as part of the thirty-day formal comment period, which concluded on March 11, 2021. The WGQ Executive Committee adopted the recommendation on the same day, and NAESB WGQ membership ratified the standards on April 12, 2021.

Finally, to address Standards Request R20009, submitted on July 16, 2020 by Kinder Morgan, Inc., NAESB modified the WGQ Capacity Release Related Standards, which define the business processes for the communication of information related to the selling of all or any portion of a transmission service requester’s contract rights. During its September 25, 2020 meeting, the WGQ BPS drafted instructions to the joint WGQ Information Requirements/Technical Subcommittees to accommodate the request proposal to add a new sender’s option data element, “Location Indicator Data,” to the data set for NAESB WGQ Standard No. 5.4.20 Transactional Reporting – Capacity Release and make any corresponding modifications. The WGQ IR/Tech Subcommittees met on October 19, 2020 and voted out the recommendation the same day.

NAESB WGQ Standard No. 5.4.20 contains the technical implementation details communication of relevant contract information for capacity release transactions, including location and rate details by transportation service providers. Use of the data element “Location Indicator Data” will improve efficiencies by providing a mechanism for a transportation service provider to communicate the locations at which a discounted rate is offered as well as if the rate is associated with a single location, multiple locations, or all locations. A similar data element was included in the data set for NAESB WGQ Standard No. 5.4.21 – Transactional Reporting – Firm Transportation as part of WGQ Version 3.2.

The formal comment period for the recommendation concluded on November 17, 2020 with no comments submitted. The WGQ Executive Committee met on March 11, 2021 and adopted the recommendation. NAESB WGQ membership ratified the standards on April 12, 2021.

### **Modifications to WGQ Contracts**

Contributing to the development of WGQ Version 4.0 are modifications to the WGQ Contracts Standards and Models to create NAESB WGQ Standard No. 6.3.1.RG – Renewable Natural Gas Addendum and NAESB WGQ Standard No. 6.3.1.CG – Certified Gas Addendum. The following sections describes the standards development efforts that resulted in the new addendums as well as the subsequent efforts to develop technical implementation standards to support digitalized versions of the addendums, including use on a distributed ledger technology.

First, efforts to address 2022 WGQ Annual Plan Item 4 resulted in the creation of NAESB WGQ Standard No. 6.3.1.RG – Renewable Natural Gas Addendum. Developed over the course of thirty-three meetings of the WGQ Contracts Subcommittee held between February 2021 and October 2022, the Renewable Natural Gas Addendum is intended to streamline the sale and purchase of renewable natural gas in both the voluntary and regulated markets. The new addendum includes model terms and conditions to support renewable natural gas transactions as well as provides a uniform method by which parties can evidence the transfer of renewable natural gas that includes applicable descriptions regarding the generation of the natural gas.

The WGQ Contracts Subcommittee voted out a recommendation proposing the creation of the addendum and an accompanying FAQ document on October 28, 2022. The thirty-day formal comment period closed

on November 30, 2022 and resulted in the WGQ Contracts Subcommittee developing additional modifications to the addendum and FAQ document to address minor, non-substantive revisions. On February 7, 2023, the WGQ Executive Committee adopted the addendum and FAQ document as revised by the comments of the WGQ Contracts Subcommittee. NAESB membership ratified on March 8, 2023.

Relatedly, to address 2023 WGQ Annual Plan Item 4, the WGQ BPS, EDM Subcommittee, and Contracts Subcommittee jointly developed technical implementation business practice standards to support the digital use of the NAESB Renewable Natural Gas Addendum, including on distributed ledger technology. The subcommittees held six joint meetings to vote out a recommendation that revised the Contracts Related Standards, including the data sets for NAESB WGQ Standard Nos. 6.4.1 Contract, 6.4.2 Transaction Confirmation, 6.4.3 Sale and Purchase Invoice, and 6.4.4 Sale and Purchase Invoice Response, as well as the FAQ document. The formal comment period concluded on August 7, 2023 with no comments submitted. The WGQ Executive Committee adopted the standards on August 10, 2023 with membership ratification occurring on September 11, 2023.

A similar effort was undertaken by the WGQ Contracts Subcommittee in response to 2022 WGQ Annual Plan Item 6 to support the emerging certified gas market. The WGQ Contracts Subcommittee held thirteen meetings between June and December 2022 before voting out a recommendation on December 15, 2022 proposing the creation of NAESB WGQ Standard No. 6.3.1.CG – Certified Gas Addendum and a related FAQ document. The new addendum supports transactions in the voluntary market for natural gas that has been certified as meeting certain standards set by a third party and is intended to accommodate both existing and future certification programs. Included as part of the addendum are baseline terms and conditions applicable to the sale and purchase of certified gas as well as a model transaction confirmation.

Three sets of comments were submitted as part of the formal comment period, which concluded on January 16, 2023. In response, the WGQ Contracts Subcommittee held a subsequent meeting and were able to reach a consensus on additional revisions to address issues raised by the commenters. The WGQ Executive Committee adopted the addendum and FAQ document as revised by additional modifications proposed by the WGQ Contracts Subcommittee on February 7, 2023, with membership ratification occurring on March 8, 2023.

In the second, related phase of standards development, 2023 WGQ Annual Plan Item 5, the WGQ BPS, EDM Subcommittee, and Contracts Subcommittee held five joint meetings between February and May 2023 before voting out a recommendation on May 11, 2023 proposing revisions to the technical implementation business practice standards to support the digital use of the NAESB Certified Gas Addendum, including on distributed ledger technology. The recommendation modified the WGQ Contracts Related Standards, including the data sets for NAESB WGQ Standard Nos. 6.4.1 Contract, 6.4.2 Transaction Confirmation, 6.4.3 Sale and Purchase Invoice, and 6.4.4 Sale and Purchase Invoice Response. Additionally, the recommendation revised the FAQ document for the NAESB Certified Gas Addendum as well as the FAQ document for the NAESB Base Contract for the Sale and Purchase of Natural Gas to update information regarding how entities can access the contract and contract addendums.

A formal comment period on the recommendation ended on June 12, 2023 with one set of comments submitted. These comments proposed additional changes for consistency to the data set for NAESB WGQ Standard No. 6.4.2. On August 10, 2023, the WGQ Executive Committee adopted the standards with the revisions proposed by the formal comments. NAESB membership ratified the standards on September 11, 2023.

### **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. This section contains a brief summary of the minor correction effort that led to the creation of the WGQ Cybersecurity Related Standards. Appendix F provides information on the twenty minor corrections approved by the WGQ Executive Committee and wholly incorporated into the standards prior to the publication of WGQ Version 4.0.



In April 2017, NAESB announced that, through funding provided DoE, Sandia National Laboratories would be performing a surety assessment to analyze cybersecurity elements of the NAESB Business Practice Standards. This was the third such assessment sponsored by the DoE on the NAESB Business Practice Standards, with the final report provided to NAESB in June 2019 (2019 Surety Assessment Report). As with each prior assessment, NAESB subsequently revised its standards to incorporate cybersecurity-related recommendations made by Sandia National Laboratories. At the request of the DoE, NAESB prioritized the development of standard revisions to address the formal recommendations included in the 2019 Surety Assessment Report, and the resulting modifications to the WGQ Business Practice Standards were included in WGQ Version 3.2 and incorporated by reference into regulations by the Commission as part of FERC Order No. 587-Z.

The 2019 Surety Assessment Report also included an informal recommendation made by the DoE and Sandia National Laboratories suggesting NAESB explore mechanisms or process changes that could truncate the timeline by which the industry develops and adopts cybersecurity-related standards. Recognizing that immediate responses are typically necessary to adequately mitigate cybersecurity threats, the NAESB Board of Directors considered several possible actions, including maintaining a singular suite of standards for each quadrant to house cybersecurity requirements. After conferring with FERC staff, NAESB made the determination to move forward with efforts to reorganize the standards. In response to Minor Correction MC22007, the WGQ Information Requirements Subcommittee and WGQ EDM Subcommittee met jointly with RMQ IR/TEIS, to identify cybersecurity-related requirements found within the WGQ EDM Related Standards and WGQ/REQ/RGQ Internet Electronic Transport Standards and move those standards to the newly created WGQ Cybersecurity Related Standards Manual and REQ/RGQ Cybersecurity Model Business Practices, respectively. The minor correction recommendation was approved by the WGQ Executive Committee on March 30, 2023, and the modifications became effective on May 1, 2023.

#### **No Action Recommendations**

Since the publication of NAESB WGQ Version 3.2, there have been four standard development efforts that resulted in no action being taken. When a subcommittee determines that no action should be taken for a particular effort, the no action recommendation is posted for a formal thirty-day industry comment period. The WGQ Executive Committee reviews any industry comments on the recommendation and subsequently holds a simple majority vote to consider the recommendation for adoption. No action recommendations do not require membership ratification, as that process is reserved for the creation of, modification to, or deletion of existing standards. Information on the no action recommendations can be found in Appendix G.

Two of the no actions recommendations of particular note relate to the coordination of commercial practices between the natural gas and electric markets during impending extreme weather-related emergency operating conditions. In April 2021, the Chair of the NAESB Board of Directors reactivated the NAESB Gas-Electric Harmonization Committee to gain a better understanding of any changes to the NAESB Business Practice Standards that could improve gas-electric market coordination. The committee held a series of meetings to review previous gas-electric coordination standard development efforts, including the standards jointly developed by WGQ and WEQ and mandated for use by FERC that establish communication protocols utilized by transportation service providers and natural gas-fired power plants as part of daily, operational communications.<sup>13</sup> As part of this review, the NAESB Gas-Electric Harmonization Committee asked the industry to submit proposals identifying potential areas of standards development for future consideration by NAESB. Following the release of the *FERC-NERC-Regional Entity Staff Report: The February 2021 Cold Weather Outages in Texas and the South Central United States*, the committee met on November 23, 2021 to review the report. During this meeting, the NAESB Gas-Electric Harmonization Committee also reviewed and unanimously endorsed the submittal to NAESB of a request for standards development drafted by Southwest Power Pool to support enhanced communications between the natural gas and electric markets.

The subsequently submitted request, R21006, proposed four specific areas of standards development, three of which were assigned to the WGQ or jointly with the WEQ and the RMQ:

Define a standard for the declaration of an impending extreme weather-related emergency operating condition by balancing authorities and natural gas pipelines consistent with other industry designations which would include the development and definition of what might constitute an impending extreme weather-related emergency operating condition (2022 WGQ Annual Plan Item 5.a.i (also 2022 WEQ Annual Plan Item 7.a.i and 2022 RMQ Annual Plan Item 3.a.i), jointly assigned to the WGQ, WEQ, and RMQ BPS)

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<sup>13</sup> These business practices are included in the NAESB WGQ Additional Standards (NAESB WGQ Standard No. 0.3.11 – 0.3.15) as well as NAESB WEQ-011 Gas/Electric Coordination Business Practice Standards and were incorporated by reference into Commission regulations for the first time through FERC Order No. 698.

Create standard designations of critical natural gas infrastructure facilities that are essential to the operations of critical electric infrastructure facilities during impending extreme weather-related emergency operating conditions consistent with other industry designations (2022 WGQ Annual Plan Item 5.a.ii, assigned to the WGQ BPS)

Create standard designations of critical electric infrastructure facilities during impending extreme weather-related emergency operating conditions consistent with other industry designations (2022 WEQ Annual Plan Item 7.a.ii, assigned to the WEQ BPS)

Define standards and communication protocols that support information sharing between critical parties during impending extreme weather-related emergency operating conditions (2022 WGQ Annual Plan Item 5.a.iii (also 2022 WEQ Annual Plan Item 7.a.iii and 2022 RMQ Annual Plan Item 3.a.ii), jointly assigned to the WGQ, WEQ, and RMQ BPS)

The WGQ, WEQ, and RMQ Executive Committees held a joint meeting on January 25, 2022 to determine priority of standards development for the annual plan items. Between February and April 2022, the WGQ, WEQ, and RMQ BPS held five joint meetings, with a focus on cross-market education, before making a determination to pursue no action recommendations for the two jointly assigned annual plan items. Although a consensus could not be reached, several areas of potential future standards development were identified as part of the discussions. During the April 26, 2022 meeting, the WGQ, WEQ, and RMQ BPS voted out a no action recommendation for the two jointly assigned annual plan items (2022 WGQ Annual Plan Item 5.a.i and 2022 WGQ Annual Plan Item 5.a.iii).

The WGQ BPS held a meeting on June 30, 2022 to consider 2022 WGQ Annual Plan Item 5.a.ii, voting out a no action recommendation the same day. The WGQ Executive Committee adopted both no action recommendations on October 20, 2022. The WEQ and RMQ Executive Committees also adopted the no action recommendations on their parallel annual plan items.

### **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.<sup>14</sup> 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 standards<sup>15</sup> as well as non-members who have obtained lawful access.<sup>16</sup>

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 waiver to utilize a full or partial quotation of copyright protected standards language.<sup>17</sup> 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

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<sup>14</sup> 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.

<sup>15</sup> The report on NAESB membership is available through the following link: <https://naesb.org/pdf4/memstats.pdf>.

<sup>16</sup> 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>.

<sup>17</sup> The procedure regarding self-executing waivers can be accessed at the following link: [https://naesb.org/pdf4/selfexecuting\\_waiver\\_procedure.pdf](https://naesb.org/pdf4/selfexecuting_waiver_procedure.pdf).

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.<sup>18</sup> 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.

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<sup>18</sup> 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 4.0

### Request Cross Reference

The request cross reference lists each standard either modified or created in Version 4.0, 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              |
|   | 12 | - | Cybersecurity 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                |

| <b>Request Cross Reference</b>                       |                        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------|------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard</b>                                      | <b>Description</b>     | <b>Request No.</b> | <b>Action</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>0.y.z - NAESB WGQ Additional Standards Manual</b> |                        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 0.4.1                                                | Storage Information    | R21001             | <p>Add the new Sender's Option data element and (Abbreviation) 'Cycle Indicator (Cycle)'</p> <p>Add 30 new Code Values for the data element 'Cycle Indicator' The Code Value Description for each is: Evening Cycle (Evening), Intraday 1 (Intraday 1), Intraday 2 (Intraday 2), Intraday 3 (Intraday 3), Timely (Timely), [TSP to provide description and/or abbreviation]* 1-25, and the Code Values are EVE, ID1, ID2, ID3, TIM, and TD1-TD25</p> <p>Add the data element 'Cycle Indicator' to the N9 Segment (Detail)</p> <p>Add 30 new Code Values for the data element 'Cycle Indicator' under N9 Segments (Detail). The Code Value Description for each is: Evening, Intraday 1, Intraday 2, Intraday 3, Timely, [TSP to provide description and/or abbreviation]* 1-25 with Code Values EVE, ID1, ID2, ID3, TIM, and TD1-TD25</p> |
|                                                      |                        | MC21004            | <p>Minor correction to add two new Code Values for the 'Transaction Type' data element. The code value descriptions are 'Storage Balancing Injection (Stor Bal-Inj)' and 'Storage Balancing Withdrawal (Stor Bal-W/D)'. Modify Transaction Set Tables as necessary.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 0.4.4                                                | Location Data Download | MC21005            | <p>Minor correction to add two new Code Values for the 'Location Type Indicator' data element. The code value descriptions are 'Electric Generation (Elec Gen)' and 'Renewable Gas (Renewable)'</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                      |                        | MC21006            | <p>Minor correction to modify the condition for the data element Upstream/Downstream Identifier Proprietary Code to remove the duplicate "when the"</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                      |                        | MC22010            | <p>Minor correction to add three new Code Values for the 'Location Type Indicator' data element. The Code Value Descriptions are 'End-User Industrial (Industrial)', 'End-User Residential (Residential)', and 'Purchase and Sale (Purchase/Sale)'</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| <b>Request Cross Reference</b>                                |                                 |                    |                                                                                                                                                                         |
|---------------------------------------------------------------|---------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard</b>                                               | <b>Description</b>              | <b>Request No.</b> | <b>Action</b>                                                                                                                                                           |
| <b>2.y.z - NAESB WGQ Flowing Gas Related Standards Manual</b> |                                 |                    |                                                                                                                                                                         |
| 2.4.3                                                         | Allocation                      | R20012             | Modify the usage of the ‘Service Requester Contract’ data element in the Allocation Matrix from ‘not used’ to ‘Mutually Agreeable’ (MA) for Allocation Type 10R and 10D |
|                                                               |                                 | MC22011            | Add two new code values (Swing on Storage Injection; Swing on Storage Withdrawal) for the ‘Transaction Type’ data element. Modify Transaction Set Tables as necessary.  |
| 2.4.4                                                         | Shipper Imbalance               | MC22011            | Add two new code values (Swing on Storage Injection; Swing on Storage Withdrawal) for the ‘Transaction Type’ data element. Modify Transaction Set Tables as necessary.  |
| 2.4.5                                                         | Measurement Information         | MC23009            | Add new code value (Electronic Field Equipment Failure) for the ‘Adjustment Type’ data element. Modify Transaction Set Tables as necessary.                             |
| 2.4.6                                                         | Measured Volume Audit Statement | MC22002            | Add new code value(s) for data element ‘Meter Type’                                                                                                                     |
|                                                               |                                 | MC23009            | Add new code value (Electronic Field Equipment Failure) for the ‘Adjustment Type’ data element. Modify Transaction Set Tables as necessary.                             |

| <b>Request Cross Reference</b>                              |                                                  |                    |                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------|--------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard</b>                                             | <b>Description</b>                               | <b>Request No.</b> | <b>Action</b>                                                                                                                                                                                                                                                                                                      |
| <b>3.y.z - NAESB WGQ Invoicing Related Standards Manual</b> |                                                  |                    |                                                                                                                                                                                                                                                                                                                    |
| 3.4.1                                                       | Transportation/Sales Invoice                     | MC20011            | Add the following code values for the data element 'Transportation/Sales Invoice.' The Code Value Descriptions (Abbreviations) are: Incremental Reservation Charge (Incr Res Chrg), Recalled Capacity (Recalled Cap). Modify the corresponding EDI X12 Transaction Set Tables, as necessary.                       |
|                                                             |                                                  | R20014             | Modify the condition of the data element 'Charge Type Rate' by adding 'and Miscellaneous Notes does not describe Charge Type Rate.' so it reads; 'Mandatory when Charge Type is present and Miscellaneous Notes does not describe Charge Type Rate.'                                                               |
|                                                             |                                                  | MC22005            | Minor correction to correct EDI X12 Mapping Guidelines, add the following code values:<br>AMT: '1 – Line Item Total'<br>QTY: 'M2 – Maximum'<br>ITA: 'C – Charge'<br>ITA: '06 – Charge to be Paid by Customer'<br>NM1: '3 – Unknown'                                                                                |
|                                                             |                                                  | MC23010            | Minor correction to add new code values for data element 'Charge Indicator'. The Code Value description (Abbreviation) is: Other (O). Modify Transaction Set Table as necessary.                                                                                                                                   |
|                                                             |                                                  | MC23011            | Minor correction to add three new code values for data element 'Service Requester Level Charge/Allowance Amount Descriptor'. The Code Value descriptions (Abbreviations) are: Balancing Cash Outs (Bal Cashout), Fuel Credit (Fuel Credit), and Prepayment (Pre-pymt). Modify Transaction Set Tables as necessary. |
| 3.4.4                                                       | Service Requester Level Charge/Allowance Invoice | MC23011            | Minor correction to add three new code values for data element 'Service Requester Level Charge/Allowance Amount Descriptor'. The Code Value descriptions (Abbreviations) are: Balancing Cash Outs (Bal Cashout), Fuel Credit (Fuel Credit), and Prepayment (Pre-pymt). Modify Transaction Set Tables as necessary. |

| <b>Request Cross Reference</b>                                                           |                                               |                                       |                                                                                                                                          |
|------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard</b>                                                                          | <b>Description</b>                            | <b>Request No.</b>                    | <b>Action</b>                                                                                                                            |
| <b>4.y.z - NAESB WGQ Quadrant Electronic Delivery Mechanism (QEDM) Related Standards</b> |                                               |                                       |                                                                                                                                          |
|                                                                                          | Executive Summary                             | WGQ 2023 Annual Plan Item 1.a and 1.b | Modify language to update the minimum technical characteristics and modify language to allow for the use of Multi-factor Authentication. |
| 4.1.37                                                                                   | Principle                                     | MC22007                               | Minor correction to delete and move to NAESB WGQ Standard No. 12.1.9.                                                                    |
| 4.2.19                                                                                   | Definition                                    | MC22007                               | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.40.                                                                   |
| 4.2.20                                                                                   | Definition                                    | MC22007                               | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.41.                                                                   |
| 4.3.60                                                                                   | Standard                                      | 2023 WGQ Annual Plan Item 1c/R22003   | Modify to incorporate Multi-factor Authentication.                                                                                       |
|                                                                                          |                                               | MC22007                               | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.31.                                                                   |
| 4.3.62                                                                                   | Standard                                      | MC22007                               | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.30.                                                                   |
| 4.3.84                                                                                   | Standard                                      | MC22007                               | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.28.                                                                   |
| 4.3.103                                                                                  | Standard                                      | MC22007                               | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.31.                                                                   |
| 4.3.109                                                                                  | Standard                                      | MC22007                               | Minor correction to delete duplicate reference to NAESB WGQ Standard No. 12.3.26.                                                        |
|                                                                                          | Technical Implementation – Interactive FF/EDM | 2023 WGQ Annual Plan Item 1c/R22003   | Modify to incorporate Multi-factor Authentication.                                                                                       |
|                                                                                          | Appendix A                                    | MC22007                               | Minor correction to delete and move to new Cybersecurity Related Standards manual.                                                       |
|                                                                                          | Appendix B                                    | MC22007                               | Minor correction to delete and move to new Cybersecurity Related Standards manual.                                                       |
|                                                                                          | Appendix C                                    | MC22007                               | Minor correction to delete and move to new Cybersecurity Related Standards Manual.                                                       |



| <b>Request Cross Reference</b>                              |                                               |                    |                                                                                                                                                                                                                     |
|-------------------------------------------------------------|-----------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard</b>                                             | <b>Description</b>                            | <b>Request No.</b> | <b>Action</b>                                                                                                                                                                                                       |
| <b>5.y.z - NAESB WGQ Capacity Release Related Standards</b> |                                               |                    |                                                                                                                                                                                                                     |
| 5.4.16                                                      | System-Wide Notices                           | MC23012            | Minor correction to add new code value (Tariff Waivers) for the 'System-Wide Notices' data element. Modify Transaction Set Table as necessary.                                                                      |
| 5.4.20                                                      | Transactional Reporting – Capacity Release    | R20009             | Add the new Sender's Option data element 'Location Indicator Data' and corresponding code values.                                                                                                                   |
|                                                             |                                               | MC21008            | Minor correction to add new data element 'Reservation – Lateral (Res-Lat)' and corresponding code values under Rate Identification Code. Modify Transaction Set Tables as necessary.                                |
|                                                             |                                               | MC22009            | Minor correction to modify the Condition of 'Maximum Tariff Rate (Max Trf Rate) data element to change "Rat" to "Rate"                                                                                              |
| 5.4.21                                                      | Transactional Reporting – Firm Transportation | MC21008            | Minor correction to add new data element 'Reservation – Lateral (Res-Lat)' and corresponding code values under Rate Identification Code. Modify Transaction Set Tables as necessary.                                |
| 5.4.24                                                      | Offer                                         | MC20013            | Add one new code value for the data element 'Waive Bidder Credit Indicator.' The Code Value Description (Abbreviation) is Yes – Full Term (Yes-Full Term). Modify the EDI X12 Transaction Set Tables, as necessary. |
|                                                             |                                               | MC21008            | Minor correction to add new data element 'Reservation – Lateral (Res-Lat)' and corresponding code values under Rate Identification Code. Modify Transaction Set Tables as necessary.                                |
|                                                             |                                               | MC21010            | Minor correction to add two new code value descriptions with code values 10 and 11 for the data element 'Discount Indicator'. Modify the transaction set tables as necessary.                                       |
| 5.4.25                                                      | Bid                                           | MC21008            | Minor correction to add new data element 'Reservation – Lateral (Res-Lat)' and corresponding code values under Rate Identification Code. Modify Transaction Set Tables as necessary.                                |
| 5.4.26                                                      | Award Download                                | MC21008            | Minor correction to add new data element 'Reservation – Lateral (Res-Lat)' and corresponding code values under Rate Identification Code. Modify Transaction Set Tables as necessary.                                |

| <b>Request Cross Reference</b>                       |                                                                                                       |                             |                                                                                                                                                                                                                                             |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard</b>                                      | <b>Description</b>                                                                                    | <b>Request No.</b>          | <b>Action</b>                                                                                                                                                                                                                               |
| <b>6.y.z - NAESB WGQ Contracts Related Standards</b> |                                                                                                       |                             |                                                                                                                                                                                                                                             |
|                                                      | Executive Summary                                                                                     | 2023 WGQ Annual Plan Item 4 | Modify to list the new Renewable Natural Gas (RG) Addendum                                                                                                                                                                                  |
|                                                      |                                                                                                       | 2023 WGQ Annual Plan Item 5 | Modify language to add the new data set 6.3.1.CG for Certified Gas (CG) Addendum                                                                                                                                                            |
|                                                      | Business Process and Practices                                                                        | 2023 WGQ Annual Plan Item 4 | Modify language to add the new data set 6.3.1.RG for Renewable Natural Gas (RG)<br>Modify language under 'Contracts Related Standards' to add the new data set 6.2.11<br>Modify language under 'Standards' to add the new data set 6.3.1.RG |
|                                                      |                                                                                                       | 2023 WGQ Annual Plan Item 5 | Modify language to add the new data set 6.3.1.CG for Certified Gas (CG)<br>Modify language under 'Contracts Related Standards' to add the new data set 6.2.10<br>Modify language under 'Standards' to add the new data set 6.3.1.CG         |
| 6.3.1 RNG                                            | Renewable Natural Gas Addendum                                                                        | 2022 WGQ Annual Plan Item 4 | Add new Renewable Natural Gas Addendum (RNG) 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 CG                                             | Certified Gas Addendum                                                                                | 2022 WGQ Annual Plan Item 6 | Add new Certified Gas Addendum (CG) 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 FAQs                                           | Frequently Asked Questions (FAQs) to the NAESB WGQ Base Contract for Sale and Purchase of Natural Gas | 2023 Annual Plan Item 4     | Modify the FAQs for the NAESB Base Contract for Sale and Purchase of Natural Gas in response to WGQ 2023 Annual Plan Item 4 to support the use of the RG Addendum                                                                           |
|                                                      |                                                                                                       | 2023 Annual Plan Item 5     | Modify the FAQs for the NAESB Base Contract for Sale and Purchase of Natural Gas in response to WGQ 2023 Annual Plan Item 5 to support the use of the CG Addendum                                                                           |
| 6.4.1                                                | Contract                                                                                              | MC21002                     | Minor correction to change Party B's Record Identifier's Attribute/ Field Format (length) from 1/2 to match Party A's, Record Identifier's Attribute/ Field Format (length) of 1/1 in the Data Dictionary.                                  |
|                                                      |                                                                                                       | 2023 WGQ Annual Plan Item 4 | Modify the Contract dataset as follows to reflect addition of new Renewable Natural Gas Addendum: Technical Implementation of Business Process, Data Element Interaction, Data Dictionary, and Code Value Dictionary                        |

| <b>Request Cross Reference</b>                       |                                    |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------|------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard</b>                                      | <b>Description</b>                 | <b>Request No.</b>          | <b>Action</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>6.y.z - NAESB WGQ Contracts Related Standards</b> |                                    |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                      |                                    | 2023 WGQ Annual Plan Item 5 | Modify the Contract dataset as follows to reflect addition of new Certified Gas Addendum: Technical Implementation of Business Process, Data Element Interaction, Data Dictionary, and Code Value Dictionary                                                                                                                                                                                                                                                                                                                              |
| 6.4.2                                                | Transaction Confirmation           | MC21002                     | Minor correction to change Non-Initiating Party Receipt Timestamp's Attribute/ Field Format (length) from DATE to be DATETIME in the Data Dictionary.                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                      |                                    | 2023 WGQ Annual Plan Item 4 | Modify the Contract dataset as follows to reflect addition of new Renewable Natural Gas Addendum: Technical Implementation of Business Process, Data Element Interaction, Data Dictionary, and Code Value Dictionary                                                                                                                                                                                                                                                                                                                      |
|                                                      |                                    | 2023 WGQ Annual Plan Item 5 | Modify the Contract dataset as follows to reflect addition of new Certified Gas Addendum: Technical Implementation of Business Process, Data Element Interaction, Data Dictionary, and Code Value Dictionary                                                                                                                                                                                                                                                                                                                              |
| 6.4.3                                                | Sale and Purchase Invoice          | MC21002                     | Minor correction to the Data Dictionary to change Payee Contact 1 and Payee Contact 2 Phone's Attribute/ Field Format (length) from 1/80 to match Party A Contact Phone's Attribute/ Field Format (length) of 1/25 in NAESB WGQ Standard No. 6.4.1 'Contract' dataset.<br><br>Modify the Data Dictionary to change Payee Bank Name's Attribute/ Field Format (length) from 1/30 to match Party A and Party B's Bank Name Record Identifier's Attribute/ Field Format (length) of 1/35 in NAESB WGQ Standard No. 6.4.1 'Contract' dataset. |
|                                                      |                                    | 2023 WGQ Annual Plan Item 4 | Modify the Contract dataset as follows to reflect addition of new Renewable Natural Gas Addendum: Technical Implementation of Business Process, and Data Dictionary                                                                                                                                                                                                                                                                                                                                                                       |
|                                                      |                                    | 2023 WGQ Annual Plan Item 5 | Modify the Contract dataset as follows to reflect addition of new Certified Gas Addendum: Technical Implementation of Business Process and Data Dictionary                                                                                                                                                                                                                                                                                                                                                                                |
| 6.4.4                                                | Sale and Purchase Invoice Response | 2023 WGQ Annual Plan Item 4 | Modify the Contract dataset as follows to reflect addition of new Renewable Natural Gas Addendum: Technical Implementation of Business Process                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                      |                                    | 2023 WGQ Annual Plan Item 5 | Modify the Contract dataset as follows to reflect addition of new Certified Gas Addendum: Technical Implementation of Business Process                                                                                                                                                                                                                                                                                                                                                                                                    |

| <b>Request Cross Reference</b>                       |                    |                                   |                                                                                                                                    |
|------------------------------------------------------|--------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard</b>                                      | <b>Description</b> | <b>Request No.</b>                | <b>Action</b>                                                                                                                      |
| <b>6.y.z - NAESB WGQ Contracts Related Standards</b> |                    |                                   |                                                                                                                                    |
|                                                      | Appendix A         | 2022 WGQ<br>Annual Plan Item<br>6 | Modify the FAQ by adding FAQs for Certified Gas (CG) Addendum                                                                      |
|                                                      |                    | 2023 WGQ<br>Annual Plan Item<br>5 | Modify language under “How can I get a copy of the Base Contract?”                                                                 |
|                                                      | Appendix D         | 2023 WGQ<br>Annual Plan Item<br>4 | Create new appendix to address frequently asked questions related to the Renewable Natural Gas Addendum to the NAESB Base Contract |
|                                                      | Appendix C         | 2023 WGQ<br>Annual Plan Item<br>5 | Create new appendix to address frequently asked questions related to the Certified Gas Addendum to the NAESB Base Contract         |

| <b>Request Cross Reference</b>                                      |                                        |                    |                                                                                      |
|---------------------------------------------------------------------|----------------------------------------|--------------------|--------------------------------------------------------------------------------------|
| <b>Standard</b>                                                     | <b>Description</b>                     | <b>Request No.</b> | <b>Action</b>                                                                        |
| <b>10.y.z - NAESB WGQ / REQ / RGQ Internet Electronic Transport</b> |                                        |                    |                                                                                      |
|                                                                     | Executive Summary                      | MC22007            | Minor correction to delete and move to NAESB Cybersecurity Related Standards Manual. |
|                                                                     | Introduction                           | MC22007            | Minor correction to delete and move to NAESB Cybersecurity Related Standards Manual. |
|                                                                     | Business Process and Practices         | MC22007            | Minor correction to delete and move to NAESB Cybersecurity Related Standards Manual. |
|                                                                     | Technical Implementation – Internet ET | MC22007            | Minor correction to delete and move to NAESB Cybersecurity Related Standards Manual. |
| 10.1.1                                                              | Principle                              | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.1.1                 |
| 10.1.2                                                              | Principle                              | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.1.2                 |
| 10.1.3                                                              | Principle                              | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.1.3                 |
| 10.1.4                                                              | Principle                              | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.1.4                 |
| 10.1.5                                                              | Principle                              | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.1.5                 |
| 10.1.6                                                              | Principle                              | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.1.6                 |
| 10.1.8                                                              | Principle                              | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.1.7                 |
| 10.1.10                                                             | Principle                              | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.1.8                 |
| 10.2.1                                                              | Definition                             | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.1                 |
| 10.2.2                                                              | Definition                             | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.2                 |
| 10.2.3                                                              | Definition                             | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.3                 |
| 10.2.4                                                              | Definition                             | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.4                 |
| 10.2.5                                                              | Definition                             | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.5                 |
| 10.2.6                                                              | Definition                             | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.6                 |
| 10.2.7                                                              | Definition                             | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.7                 |

| <b>Request Cross Reference</b>                                      |                    |                    |                                                                       |
|---------------------------------------------------------------------|--------------------|--------------------|-----------------------------------------------------------------------|
| <b>Standard</b>                                                     | <b>Description</b> | <b>Request No.</b> | <b>Action</b>                                                         |
| <b>10.y.z - NAESB WGQ / REQ / RGQ Internet Electronic Transport</b> |                    |                    |                                                                       |
| 10.2.8                                                              | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.8  |
| 10.2.9                                                              | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.9  |
| 10.2.10                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.10 |
| 10.2.11                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.11 |
| 10.2.12                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.12 |
| 10.2.13                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.13 |
| 10.2.14                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.14 |
| 10.2.15                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.15 |
| 10.2.16                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.16 |
| 10.2.17                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.17 |
| 10.2.18                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.18 |
| 10.2.19                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.19 |
| 10.2.20                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.20 |
| 10.2.21                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.21 |
| 10.2.22                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.22 |
| 10.2.23                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.23 |
| 10.2.24                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.24 |
| 10.2.25                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.25 |
| 10.2.26                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.26 |

| <b>Request Cross Reference</b>                                      |                    |                    |                                                                       |
|---------------------------------------------------------------------|--------------------|--------------------|-----------------------------------------------------------------------|
| <b>Standard</b>                                                     | <b>Description</b> | <b>Request No.</b> | <b>Action</b>                                                         |
| <b>10.y.z - NAESB WGQ / REQ / RGQ Internet Electronic Transport</b> |                    |                    |                                                                       |
| 10.2.27                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.27 |
| 10.2.28                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.28 |
| 10.2.29                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.29 |
| 10.2.30                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.30 |
| 10.2.31                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.31 |
| 10.2.32                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.32 |
| 10.2.33                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.33 |
| 10.2.34                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.34 |
| 10.2.35                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.35 |
| 10.2.36                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.36 |
| 10.2.37                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.37 |
| 10.2.38                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.38 |
| 10.2.39                                                             | Definition         | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.2.39 |
| 10.3.1                                                              | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.1  |
| 10.3.3                                                              | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.2  |
| 10.3.4                                                              | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.3  |
| 10.3.5                                                              | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.4  |
| 10.3.6                                                              | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.5  |
| 10.3.7                                                              | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.6  |

| <b>Request Cross Reference</b>                                      |                    |                    |                                                                       |
|---------------------------------------------------------------------|--------------------|--------------------|-----------------------------------------------------------------------|
| <b>Standard</b>                                                     | <b>Description</b> | <b>Request No.</b> | <b>Action</b>                                                         |
| <b>10.y.z - NAESB WGQ / REQ / RGQ Internet Electronic Transport</b> |                    |                    |                                                                       |
| 10.3.8                                                              | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.7  |
| 10.3.9                                                              | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.8  |
| 10.3.10                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.9  |
| 10.3.11                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.10 |
| 10.3.12                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.11 |
| 10.3.14                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.12 |
| 10.3.15                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.13 |
| 10.3.16                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.14 |
| 10.3.17                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.15 |
| 10.3.18                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.16 |
| 10.3.19                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.17 |
| 10.3.20                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.18 |
| 10.3.21                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.19 |
| 10.3.22                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.20 |
| 10.3.23                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.21 |
| 10.3.24                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.22 |
| 10.3.25                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.23 |
| 10.3.26                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.24 |
| 10.3.27                                                             | Standard           | MC22007            | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.25 |



| <b>Request Cross Reference</b>                                      |                    |                                     |                                                                                                                                                      |
|---------------------------------------------------------------------|--------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard</b>                                                     | <b>Description</b> | <b>Request No.</b>                  | <b>Action</b>                                                                                                                                        |
| <b>10.y.z - NAESB WGQ / REQ / RGQ Internet Electronic Transport</b> |                    |                                     |                                                                                                                                                      |
| 10.3.28                                                             | Standard           | MC22007                             | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.26                                                                                |
| 10.3.29                                                             | Standard           | MC22007                             | Minor correction to delete and move to NAESB WGQ Standard No. 12.3.27                                                                                |
|                                                                     | Testing Guidelines | MC22007                             | Minor correction to delete and move to NAESB Cybersecurity Related Standards Manual                                                                  |
|                                                                     | Appendix A         | MC22007                             | Minor correction to delete and move to NAESB Cybersecurity Related Standards Manual                                                                  |
|                                                                     | Appendix B         | 2020 WGQ<br>Annual Plan Item<br>6.c | Modify appendix by adding Q11 language in the appendix to address additional findings and considerations identified by Sandia National Laboratories. |
|                                                                     |                    | MC22007                             | Minor correction to delete and move to NAESB Cybersecurity Related Standards Manual                                                                  |
|                                                                     | Appendix C         | MC22007                             | Minor correction to delete and move to NAESB Cybersecurity Related Standards Manual                                                                  |

| <b>Request Cross Reference</b>                            |                                |                                                  |                                                                                                                                          |
|-----------------------------------------------------------|--------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard</b>                                           | <b>Description</b>             | <b>Request No.</b>                               | <b>Action</b>                                                                                                                            |
| <b>12.y.z - NAESB WGQ Cybersecurity Related Standards</b> |                                |                                                  |                                                                                                                                          |
|                                                           | Executive Summary              | MC22007                                          | Minor correction to move from IET Related Standards, remove references to RMQ and Internet ET manual, and to add clarity to new purpose. |
|                                                           |                                | 2023 WGQ Annual Plan Item 1a and 1b              | Modify to correct typographical errors                                                                                                   |
|                                                           | Introduction                   | MC22007                                          | Minor correction to move from IET Related Standards, remove references to RMQ and Internet ET manual, and to add clarity to new purpose  |
|                                                           |                                | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                                                                                                   |
|                                                           | Business Process and Practices | MC22007                                          | Minor correction to move from IET Related Standards                                                                                      |
|                                                           |                                | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                                                                                                   |
| 12.1.1                                                    | Principles                     | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.1.1                                                                              |
| 12.1.2                                                    | Principles                     | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.1.2                                                                              |
| 12.1.3                                                    | Principles                     | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.1.3                                                                              |
| 12.1.4                                                    | Principles                     | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.1.4                                                                              |
|                                                           |                                | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                                                                                                   |
| 12.1.5                                                    | Principles                     | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.1.5                                                                              |
| 12.1.6                                                    | Principles                     | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.1.6                                                                              |
| 12.1.7                                                    | Principles                     | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.1.8                                                                              |
|                                                           |                                | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                                                                                                   |
| 12.1.8                                                    | Principles                     | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.1.10                                                                             |
|                                                           |                                | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                                                                                                   |
| 12.1.9                                                    | Principles                     | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 4.1.37                                                                              |

| <b>Request Cross Reference</b>                            |                    |                                                           |                                                              |
|-----------------------------------------------------------|--------------------|-----------------------------------------------------------|--------------------------------------------------------------|
| <b>Standard</b>                                           | <b>Description</b> | <b>Request No.</b>                                        | <b>Action</b>                                                |
| <b>12.y.z - NAESB WGQ Cybersecurity Related Standards</b> |                    |                                                           |                                                              |
|                                                           |                    | 2023 WGQ<br>Annual Plan Item<br>1a and 1b<br>Attachment B | Modify to correct typographical errors                       |
| 12.2.1                                                    | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.1  |
|                                                           |                    | 2023 WGQ<br>Annual Plan Item<br>1a and 1b<br>Attachment B | Modify to correct typographical errors                       |
| 12.2.2                                                    | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.2  |
| 12.2.3                                                    | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.3  |
| 12.2.4                                                    | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.4  |
|                                                           |                    | 2023 WGQ<br>Annual Plan Item<br>1a and 1b<br>Attachment B | Modify to correct typographical errors                       |
| 12.2.5                                                    | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.5  |
| 12.2.6                                                    | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.6  |
| 12.2.7                                                    | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standards No. 10.2.7 |
| 12.2.8                                                    | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.8  |
| 12.2.9                                                    | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.9  |
| 12.2.10                                                   | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.10 |
| 12.2.11                                                   | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.11 |
| 12.2.12                                                   | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.12 |
| 12.2.13                                                   | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.13 |
| 12.2.14                                                   | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.14 |
| 12.2.15                                                   | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.15 |
| 12.2.16                                                   | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.16 |
| 12.2.17                                                   | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.17 |
| 12.2.18                                                   | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.18 |
| 12.2.19                                                   | Definition         | MC22007                                                   | Minor correction to move from NAESB WGQ Standard No. 10.2.19 |

| <b>Request Cross Reference</b>                            |                    |                                                  |                                                              |
|-----------------------------------------------------------|--------------------|--------------------------------------------------|--------------------------------------------------------------|
| <b>Standard</b>                                           | <b>Description</b> | <b>Request No.</b>                               | <b>Action</b>                                                |
| <b>12.y.z - NAESB WGQ Cybersecurity Related Standards</b> |                    |                                                  |                                                              |
| 12.2.20                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.20 |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Delete definition for 'Internet EDM'                         |
| 12.2.21                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.21 |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify by removing definition and mark as "[Deleted]"        |
| 12.2.22                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.22 |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                       |
| 12.2.23                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.23 |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                       |
| 12.2.24                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.24 |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                       |
| 12.2.25                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.25 |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                       |
| 12.2.26                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.26 |
| 12.2.27                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.27 |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                       |
| 12.2.28                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.28 |
| 12.2.29                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.29 |
| 12.2.30                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.30 |

| <b>Request Cross Reference</b>                            |                    |                                                  |                                                              |
|-----------------------------------------------------------|--------------------|--------------------------------------------------|--------------------------------------------------------------|
| <b>Standard</b>                                           | <b>Description</b> | <b>Request No.</b>                               | <b>Action</b>                                                |
| <b>12.y.z - NAESB WGQ Cybersecurity Related Standards</b> |                    |                                                  |                                                              |
| 12.2.31                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.31 |
| 12.2.32                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.32 |
| 12.2.33                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.33 |
| 12.2.34                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.34 |
| 12.2.35                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.35 |
| 12.2.36                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.36 |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                       |
| 12.2.37                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.37 |
| 12.2.38                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.38 |
| 12.2.39                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.2.39 |
| 12.2.40                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard 4.2.19      |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                       |
| 12.2.41                                                   | Definition         | MC22007                                          | Minor correction to move from NAESB WGQ Standard 4.2.20      |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                       |
| 12.3.1                                                    | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.1  |
| 12.3.2                                                    | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.3  |
| 12.3.3                                                    | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.4  |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                       |
| 12.3.4                                                    | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.5  |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                       |

| <b>Request Cross Reference</b>                            |                    |                                                  |                                                              |
|-----------------------------------------------------------|--------------------|--------------------------------------------------|--------------------------------------------------------------|
| <b>Standard</b>                                           | <b>Description</b> | <b>Request No.</b>                               | <b>Action</b>                                                |
| <b>12.y.z - NAESB WGQ Cybersecurity Related Standards</b> |                    |                                                  |                                                              |
| 12.3.5                                                    | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.6  |
| 12.3.6                                                    | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.7  |
| 12.3.7                                                    | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.8  |
| 12.3.8                                                    | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.9  |
| 12.3.9                                                    | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.10 |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                       |
| 12.3.10                                                   | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.11 |
| 12.3.11                                                   | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.12 |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                       |
| 12.3.12                                                   | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.14 |
| 12.3.13                                                   | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.15 |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                       |
| 12.3.14                                                   | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.16 |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                       |
|                                                           |                    | MC23013                                          | Modify to correct typographical errors                       |
| 12.3.15                                                   | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.17 |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                       |
| 12.3.16                                                   | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.18 |
| 12.3.17                                                   | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.19 |
| 12.3.18                                                   | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.20 |
| 12.3.19                                                   | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard No. 10.3.21 |

| <b>Request Cross Reference</b>                            |                    |                                                           |                                                                 |
|-----------------------------------------------------------|--------------------|-----------------------------------------------------------|-----------------------------------------------------------------|
| <b>Standard</b>                                           | <b>Description</b> | <b>Request No.</b>                                        | <b>Action</b>                                                   |
| <b>12.y.z - NAESB WGQ Cybersecurity Related Standards</b> |                    |                                                           |                                                                 |
|                                                           |                    | 2023 WGQ<br>Annual Plan Item<br>1a and 1b<br>Attachment B | Modify to correct typographical errors                          |
| 12.3.20                                                   | Standard           | MC22007                                                   | Minor correction to move from NAESB WGQ<br>Standard No. 10.3.22 |
| 12.3.21                                                   | Standard           | MC22007                                                   | Minor correction to move from NAESB WGQ<br>Standard No. 10.3.23 |
| 12.3.22                                                   | Standard           | MC22007                                                   | Minor correction to move from NAESB WGQ<br>Standard No. 10.3.24 |
| 12.3.23                                                   | Standard           | MC22007                                                   | Minor correction to move from NAESB WGQ<br>Standard No. 10.3.25 |
|                                                           |                    | 2023 WGQ<br>Annual Plan Item<br>1a and 1b<br>Attachment B | Modify to correct typographical errors                          |
| 12.3.24                                                   | Standard           | MC22007                                                   | Minor correction to move from NAESB WGQ<br>Standard No. 10.3.26 |
|                                                           |                    | 2023 WGQ<br>Annual Plan Item<br>1a and 1b<br>Attachment B | Modify to correct typographical errors                          |
| 12.3.25                                                   | Standard           | MC22007                                                   | Minor correction to move from NAESB WGQ<br>Standard No. 10.3.27 |
|                                                           |                    | 2023 WGQ<br>Annual Plan Item<br>1a and 1b<br>Attachment B | Modify to correct typographical errors                          |
| 12.3.26                                                   | Standard           | MC22007                                                   | Minor correction to move from NAESB WGQ<br>Standard No. 10.3.28 |
| 12.3.27                                                   | Standard           | MC22007                                                   | Minor correction to move from NAESB WGQ<br>Standard No. 10.3.29 |
|                                                           |                    | 2023 WGQ<br>Annual Plan Item<br>1a and 1b<br>Attachment B | Modify to correct typographical errors                          |
| 12.3.28                                                   | Standard           | MC22007                                                   | Minor correction to move from NAESB WGQ<br>Standard No. 4.3.84  |
|                                                           |                    | 2023 WGQ<br>Annual Plan Item<br>1a and 1b<br>Attachment B | Modify to correct typographical errors                          |
| 12.3.29                                                   | Standard           | MC22007                                                   | Minor correction to move from NAESB WGQ<br>Standard No. 4.3.60  |
|                                                           |                    | 2023 WGQ<br>Annual Plan Item<br>1a and 1b<br>Attachment B | Modify to correct typographical errors                          |
| 12.3.30                                                   | Standard           | MC22007                                                   | Minor correction to move from NAESB WGQ<br>Standard 4.3.62      |

| <b>Request Cross Reference</b>                            |                    |                                                  |                                                                                                                                   |
|-----------------------------------------------------------|--------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard</b>                                           | <b>Description</b> | <b>Request No.</b>                               | <b>Action</b>                                                                                                                     |
| <b>12.y.z - NAESB WGQ Cybersecurity Related Standards</b> |                    |                                                  |                                                                                                                                   |
| 12.3.31                                                   | Standard           | MC22007                                          | Minor correction to move from NAESB WGQ Standard 4.3.103                                                                          |
|                                                           | Appendix A         | MC22007                                          | Minor correction to move from IET Related Standards and incorporate additional security protocols from the QEDM Related Standards |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                                                                                            |
|                                                           | Appendix B         | MC22007                                          | Minor correction to move from the QEDM Related Standards                                                                          |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                                                                                            |
|                                                           | Appendix C         | MC22007                                          | Minor correction to move from the QEDM Related Standards                                                                          |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                                                                                            |
|                                                           | Appendix D         | MC22007                                          | Minor correction to move from the IET Related Standards                                                                           |
|                                                           |                    | 2023 WGQ Annual Plan Item 1a and 1b Attachment B | Modify to correct typographical errors                                                                                            |



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](http://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 4.0, the “Adopted” column will contain the value “4.0.” For standards that were modified in Version 4.0 the “Revised” column will contain the value “4.0.” 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.

| <b>Minor Corrections</b> | <b>Effective Date</b> | <b>Minor Corrections</b> | <b>Effective Date</b> |
|--------------------------|-----------------------|--------------------------|-----------------------|
| 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    |

| <b>Minor Corrections</b> | <b>Effective Date</b> | <b>Minor Corrections</b> | <b>Effective Date</b> |
|--------------------------|-----------------------|--------------------------|-----------------------|
| 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.

| <b>Minor Corrections</b> | <b>Effective Date</b> | <b>Minor Corrections</b> | <b>Effective Date</b> |
|--------------------------|-----------------------|--------------------------|-----------------------|
| 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.

| <b>Minor Correction</b> | <b>Effective Date</b> | <b>Minor Correction</b> | <b>Effective Date</b> |
|-------------------------|-----------------------|-------------------------|-----------------------|
| 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.

| <b>Minor Correction</b> | <b>Effective Date</b> | <b>Minor Correction</b> | <b>Effective Date</b> |
|-------------------------|-----------------------|-------------------------|-----------------------|
| 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.

4.0 Denotes the standard was adopted and ratified by membership in Version 4 of the NAESB WGQ Business Practice Standards between August 16, 2020 and September 29, 2023.

| Standard Number | Description <sup>19</sup>                          | Intent <sup>20</sup> | 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     |         |
| 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     |         |

<sup>19</sup> Quadrant Electronic Delivery Mechanism (QEDM), Internet Electronic Transport (IET)

<sup>20</sup> 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)

| <b>Standard Number</b> | <b>Description<sup>19</sup></b>                  | <b>Intent<sup>20</sup></b> | <b>Adopted</b> | <b>Revised</b>                         |
|------------------------|--------------------------------------------------|----------------------------|----------------|----------------------------------------|
| 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<br>[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            |                                        |
| 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<br>3.0<br>3.1<br>3.2<br><b>4.0</b> |
| 0.4.2                  | Operational Capacity Dataset – Data Dictionary   | UNC                        | 2.0            | 2.1<br>3.0<br>3.1<br>3.2               |

| Standard Number | Description <sup>19</sup>                        | Intent <sup>20</sup> | Adopted | Revised                         |
|-----------------|--------------------------------------------------|----------------------|---------|---------------------------------|
| 0.4.3           | Unsubscribed Capacity Dataset – Data Dictionary  | UNC                  | 2.0     | 2.1<br>3.1<br>3.2               |
| 0.4.4           | Location Data Download Dataset – Data Dictionary | UNC                  | 2.1     | 3.0<br>3.1<br>3.2<br><b>4.0</b> |
| 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<br>[deleted]                |
| 1.1.6           | Nominations Related Principle                    |                      | 1.0     | 1.7<br>[deleted]                |
| 1.1.7           | Nominations Related Principle                    |                      | 1.0     | 1.5<br>3.0<br>[deleted]         |
| 1.1.8           | Nominations Related Principle                    |                      | 1.0     | 1.7<br>[deleted]                |
| 1.1.9           | Nominations Related Principle                    |                      | 1.0     | 1.8<br>3.0<br>[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     |                                 |
| 1.1.17          | Nominations Related Principle                    |                      | 1.3     | 3.0<br>[deleted]                |
| 1.1.18          | Nominations Related Principle                    |                      | 1.3     | 3.0                             |
| 1.1.19          | Nominations Related Principle                    |                      | 1.3     | 1.7<br>[deleted]                |
| 1.1.20          | Nominations Related Principle                    |                      | 1.5     |                                 |
| 1.1.21          | Nominations Related Principle                    |                      | 1.5     |                                 |

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| 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<br>[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<br>1.5<br>3.0 |
| 1.3.3                  | Nominations Related Standard    | UNC                        | 1.0            | 1.3<br>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               |

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| 1.3.9                  | Nominations Related Standard    | UNC                        | 1.0            | 3.0                             |
| 1.3.10                 | Nominations Related Standard    | [deleted]                  | 1.0            | 1.3<br>[deleted]                |
| 1.3.11                 | Nominations Related Standard    | UNC                        | 1.0            | 3.0                             |
| 1.3.12                 | Nominations Related Standard    | [deleted]                  | 1.0            | 1.3<br>[deleted]                |
| 1.3.13                 | Nominations Related Standard    | UNC                        | 1.0            | 3.0                             |
| 1.3.14                 | Nominations Related Standard    | UNC                        | 1.0            | 1.1<br>1.3<br>3.0<br>3.2        |
| 1.3.15                 | Nominations Related Standard    | UC                         | 1.0            | 3.0<br>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<br>3.0<br>3.1               |
| 1.3.23                 | Nominations Related Standard    | UNC                        | 1.0            | 1.1                             |
| 1.3.24                 | Nominations Related Standard    | UNC                        | 1.1            | 1.3<br>1.4                      |
| 1.3.25                 | Nominations Related Standard    | UNC                        | 1.1            |                                 |
| 1.3.26                 | Nominations Related Standard    | UNC                        | 1.1            |                                 |
| 1.3.27                 | Nominations Related Standard    | UNC                        | 1.1            | 1.3<br>2.1<br>3.0<br>3.1<br>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            |                                 |

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| 1.3.32                 | Nominations Related Standard    | UNC                        | 1.1            | 1.3<br>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<br>[deleted]               |
| 1.3.48                 | Nominations Related Standard    | UNC                        | 1.4            |                                |
| 1.3.49                 | Nominations Related Standard    | [deleted]                  | 1.4            | 2.1<br>[deleted]               |
| 1.3.50                 | Nominations Related Standard    | [deleted]                  | 1.4            | 2.1<br>[deleted]               |
| 1.3.51                 | Nominations Related Standard    | UNC                        | 1.4            | 3.0                            |
| 1.3.52                 | Nominations Related Standard    | [deleted]                  | 1.4            | 3.0<br>[deleted]               |
| 1.3.53                 | Nominations Related Standard    | UNC                        | 1.4            |                                |
| 1.3.54                 | Nominations Related Standard    | [deleted]                  | 1.4            | 1.5<br>1.8<br>2.1<br>[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<br>[deleted]               |



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| 1.3.58                 | Nominations Related Standard    | UNC                        | 1.4            | 2.1                                          |
| 1.3.59                 | Nominations Related Standard    | [deleted]                  | 1.4            | 2.1<br>[deleted]                             |
| 1.3.60                 | Nominations Related Standard    | [deleted]                  | 1.4            | 1.8<br>1.9<br>2.1<br>[deleted]               |
| 1.3.61                 | Nominations Related Standard    | [deleted]                  | 1.4            | 1.5<br>1.8<br>2.1<br>[deleted]               |
| 1.3.62                 | Nominations Related Standard    | UNC                        | 1.4            |                                              |
| 1.3.63                 | Nominations Related Standard    | [deleted]                  | 1.4            | 1.5<br>1.6<br>1.8<br>1.9<br>2.1<br>[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            |                                              |
| 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<br>[deleted]                             |
| 1.3.79                 | Nominations Related Standard    | UNC                        | 1.4            |                                              |
| 1.3.80                 | Nominations Related Standard    | UNC                        | 1.9            | 3.0                                          |

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| 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<br>1.3<br>1.4<br>1.5<br>1.7<br>1.8<br>1.9<br>2.0<br>2.1<br>3.0<br>3.1<br>3.2 |
| 1.4.2                  | Nomination Quick Response Dataset – Data Dictionary | UNC                        | 1.0            | 1.2<br>1.3<br>1.4<br>1.5<br>1.7<br>1.8<br>1.9<br>2.0<br>2.1<br>3.0<br>3.1<br>3.2 |
| 1.4.3                  | Request for Confirmation Dataset – Data Dictionary  | UNC                        | 1.0            | 1.2<br>1.3<br>1.4<br>1.5<br>1.7<br>1.8<br>1.9<br>2.0<br>2.1<br>3.0<br>3.2        |
| 1.4.4                  | Confirmation Response Dataset – Data Dictionary     | UNC                        | 1.0            | 1.2<br>1.3<br>1.4<br>1.5<br>1.7<br>1.8<br>1.9<br>2.1<br>3.0<br>3.1<br>3.2        |

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|-----------------|-----------------------------------------------------------|----------------------|---------|-----------------------------------------------------------------------------------------|
| 1.4.5           | Scheduled Quantity Dataset – Data Dictionary              | UNC                  | 1.0     | 1.2<br>1.3<br>1.4<br>1.5<br>1.7<br>1.8<br>1.9<br>2.0<br>2.1<br>3.0<br>3.1<br>3.2        |
| 1.4.6           | Scheduled Quantity for Operator Dataset – Data Dictionary | UNC                  | 1.2     | 1.3<br>1.4<br>1.5<br>1.6<br>1.7<br>1.8<br>1.9<br>2.0<br>2.1<br>3.0<br>3.1<br><b>3.2</b> |
| 1.4.7           | Confirmation Quick Response Dataset – Data Dictionary     | UNC                  | 1.3     | 1.4<br>1.5<br>1.7<br>1.8<br>1.9<br>2.1<br>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                                                                                     |
| 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     |                                                                                         |

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| 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<br>1.3<br>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<br>1.8<br>3.0 |
| 2.3.22                 | Flowing Gas Related Standard    | UNC                        | 1.0            |                   |
| 2.3.23                 | Flowing Gas Related Standard    | UNC                        | 1.0            |                   |
| 2.3.24                 | Flowing Gas Related Standard    | [deleted]                  | 1.0            | 1.7<br>[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               |

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| 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<br>2.1                            |
| 2.3.33                 | Flowing Gas Related Standard    | [deleted]                  | 1.4            | 2.1<br>[deleted]                      |
| 2.3.34                 | Flowing Gas Related Standard    | [deleted]                  | 1.4            | 1.5<br>1.9<br>2.0<br>2.1<br>[deleted] |
| 2.3.35                 | Flowing Gas Related Standard    | [deleted]                  | 1.4            | 1.8<br>2.1<br>[deleted]               |
| 2.3.36                 | Flowing Gas Related Standard    | [deleted]                  | 1.5            | 1.7<br>[deleted]                      |
| 2.3.37                 | Flowing Gas Related Standard    | [deleted]                  | 1.5            | 1.7<br>[deleted]                      |
| 2.3.38                 | Flowing Gas Related Standard    | [deleted]                  | 1.5            | 1.7<br>[deleted]                      |
| 2.3.39                 | Flowing Gas Related Standard    | [deleted]                  | 1.5            | 1.7<br>[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                                   |
| 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<br>[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            |                                       |

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| 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<br>1.3<br>1.4<br>1.5<br>1.7<br>1.8<br>1.9<br>2.0<br>2.1<br>3.0<br>3.1<br>3.2 |
| 2.4.2                  | Pre-determined Allocation – Quick Response Dataset – Data Dictionary | UNC                        | 1.0            | 1.2<br>1.3<br>1.4<br>1.7<br>1.8<br>1.9<br>2.1<br>3.0                             |

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|-----------------|--------------------------------------------------------------|----------------------|---------|------------------------------------------------------------------------------------------------|
| 2.4.3           | Allocation Dataset – Data Dictionary                         | UNC                  | 1.0     | 1.2<br>1.3<br>1.4<br>1.5<br>1.7<br>1.8<br>1.9<br>2.0<br>2.1<br>3.0<br>3.1<br>3.2<br><b>4.0</b> |
| 2.4.4           | Shipper Imbalance Dataset – Data Dictionary                  | UNC                  | 1.0     | 1.2<br>1.3<br>1.4<br>1.5<br>1.7<br>1.8<br>1.9<br>2.0<br>2.1<br>3.0<br>3.1<br>3.2<br><b>4.0</b> |
| 2.4.5           | Measurement Information Dataset – Data Dictionary            | UNC                  | 1.0     | 1.2<br>1.3<br>1.4<br>1.5<br>1.7<br>2.1<br>3.0<br><b>4.0</b>                                    |
| 2.4.6           | Measurement Volume Audit Statement Dataset – Data Dictionary | O                    | 1.2     | 1.3<br>1.4<br>1.5<br>1.7<br>1.9<br>2.1<br>3.0<br>3.1<br>3.2<br><b>4.0</b>                      |
| 2.4.7           | Request for Information Dataset – Data Dictionary            | UC                   | 1.5     | 1.7<br>1.8<br>1.9<br>2.1<br>3.0                                                                |

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|-----------------|-----------------------------------------------------------------------|----------------------|---------|---------------------------------|
| 2.4.8           | Response to Request for Information Dataset – Data Dictionary         | UC                   | 1.5     | 1.7<br>1.8<br>3.0               |
| 2.4.9           | Authorization to Post Imbalances Dataset – Data Dictionary            | UNC                  | 1.5     | 1.7<br>2.1<br>3.0<br>3.1<br>3.2 |
| 2.4.10          | Posted Imbalances Download Dataset – Data Dictionary                  | UNC                  | 1.5     | 1.7<br>2.1<br>3.0<br>3.2        |
| 2.4.11          | Imbalance Trade Dataset – Data Dictionary                             | UNC                  | 1.5     | 1.7<br>2.1<br>3.0<br>3.1<br>3.2 |
| 2.4.12          | Request for Imbalance Trade Quick Response Dataset – Data Dictionary  | [deleted]            | 1.5     | 1.7<br>3.0<br>[deleted]         |
| 2.4.13          | Withdrawal of Request for Imbalance Trade Dataset – Data Dictionary   | [deleted]            | 1.5     | 1.7<br>2.1<br>3.0<br>[deleted]  |
| 2.4.14          | Request for Confirmation of Imbalance Trade Dataset – Data Dictionary | [deleted]            | 1.5     | 1.7<br>2.1<br>3.0<br>[deleted]  |
| 2.4.15          | Imbalance Trade Confirmation Dataset – Data Dictionary                | [deleted]            | 1.5     | 1.7<br>2.1<br>3.0<br>[deleted]  |
| 2.4.16          | Imbalance Trade Notification Dataset – Data Dictionary                | [deleted]            | 1.5     | 1.7<br>2.1<br>3.0<br>[deleted]  |
| 2.4.17          | Producer Imbalance Statement Dataset – Data Dictionary                | UC                   | 1.8     | 2.1<br>3.0<br>3.1<br>3.2        |
| 2.4.18          | Measurement Events/Alarms Dataset – Data Dictionary                   | O                    | 1.8     | 2.1<br>3.0                      |
| 3.1.1           | Invoicing Related Principle                                           |                      | 1.0     |                                 |
| 3.1.2           | Invoicing Related Principle                                           |                      | 1.0     |                                 |
| 3.2.1           | Invoicing Related Definition                                          |                      | 1.0     |                                 |



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| 3.3.1                  | Invoicing Related Standard      | [deleted]                  | 1.0            | 2.1<br>[deleted] |
| 3.3.2                  | Invoicing Related Standard      | [deleted]                  | 1.0            | 3.0<br>[deleted] |
| 3.3.3                  | Invoicing Related Standard      | UNC                        | 1.0            | 3.0<br>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<br>[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            |                  |
| 3.3.26                 | Invoicing Related Standard      | UC                         | 1.5            |                  |
| 3.3.27                 | Invoicing Related Standard      | UC                         | 3.2            |                  |

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|-----------------|-----------------------------------------------------------------------------|----------------------|---------|------------------------------------------------------------------------------------------------|
| 3.4.1           | Transportation/ Sales Invoice Dataset – Data Dictionary                     | UNC                  | 1.0     | 1.2<br>1.3<br>1.4<br>1.5<br>1.7<br>1.8<br>1.9<br>2.0<br>2.1<br>3.0<br>3.1<br>3.2<br><b>4.0</b> |
| 3.4.2           | Payment Remittance Dataset – Data Dictionary                                | UNC                  | 1.0     | 1.2<br>1.3<br>1.4<br>1.5<br>1.7<br>1.9<br>2.1<br>3.0<br>3.2                                    |
| 3.4.3           | Statement of Account Dataset – Data Dictionary                              | UNC                  | 1.0     | 1.2<br>1.4<br>1.7<br>2.1<br>3.0                                                                |
| 3.4.4           | Service Requester Level Charge/ Allowance Invoice Dataset – Data Dictionary | UNC                  | 1.3     | 1.3<br>1.4<br>1.5<br>1.7<br>1.9<br>2.0<br>2.1<br>3.0<br>3.2<br><b>4.0</b>                      |
| 4.1.1           | QEDM Related Principle                                                      |                      | 1.0     | 1.6<br>[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<br>[deleted]                                                                               |
| 4.1.6           | QEDM Related Principle                                                      |                      | 1.0     | 1.8                                                                                            |
| 4.1.7           | QEDM Related Principle                                                      |                      | 1.0     | 1.8                                                                                            |

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| 4.1.8                  | QEDM Related Principle          |                            | 1.0            | 1.5<br>[deleted] |
| 4.1.9                  | QEDM Related Principle          |                            | 1.0            | 1.8<br>[deleted] |
| 4.1.10                 | QEDM Related Principle          |                            | 1.0            |                  |
| 4.1.11                 | QEDM Related Principle          |                            | 1.0            | 1.6<br>[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<br>[deleted] |
| 4.1.15                 | QEDM Related Principle          |                            | 1.1            | 3.2<br>[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<br>[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<br>[deleted] |
| 4.1.32                 | QEDM Related Principle          |                            | 1.4            | 2.0              |
| 4.1.33                 | QEDM Related Principle          |                            | 1.4            |                  |
| 4.1.34                 | QEDM Related Principle          |                            | 1.4            |                  |

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| 4.1.35                 | QEDM Related Principle          |                            | 1.4            |                                           |
| 4.1.36                 | QEDM Related Principle          |                            | 1.4            |                                           |
| 4.1.37                 | QEDM Related Principle          |                            | 1.4            | <b>4.0</b><br>[deleted, moved to 12.1.9]  |
| 4.1.38                 | QEDM Related Principle          |                            | 1.4            |                                           |
| 4.1.39                 | QEDM Related Principle          |                            | 1.6            | 1.9<br>3.2<br>[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            | <b>4.0</b><br>[deleted, moved to 12.2.40] |

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|-----------------|---------------------------|----------------------|---------|--------------------------------------------------|
| 4.2.20          | QEDM Related Definition   |                      | 1.5     | 1.8<br><b>4.0</b><br>[deleted, moved to 12.2.41] |
| 4.3.1           | QEDM Related Standard     | UNC                  | 1.0     | 1.2<br>1.7<br>1.8                                |
| 4.3.2           | QEDM Related Standard     | UNC                  | 1.0     | 1.4<br>1.7<br>1.8<br>3.0                         |
| 4.3.3           | QEDM Related Standard     | UC                   | 1.0     | 3.0                                              |
| 4.3.4           | QEDM Related Standard     | [deleted]            | 1.0     | 1.1<br>1.6<br>3.0<br>[deleted]                   |
| 4.3.5           | QEDM Related Standard     | [deleted]            | 1.1     | 1.8<br>3.0<br>[deleted]                          |
| 4.3.6           | QEDM Related Standard     | [deleted]            | 1.1     | 1.6<br>1.8<br>[deleted]                          |
| 4.3.7           | QEDM Related Standard     | [deleted]            | 1.1     | 1.8<br>[moved to Internet ET]                    |
| 4.3.8           | QEDM Related Standard     | [deleted]            | 1.1     | 1.4<br>1.6<br>1.8<br>[moved to Internet ET]      |
| 4.3.9           | QEDM Related Standard     | [deleted]            | 1.1     | 1.4<br>1.8<br>[moved to Internet ET]             |
| 4.3.10          | QEDM Related Standard     | [deleted]            | 1.1     | 1.6<br>1.8<br>[moved to Internet ET]             |
| 4.3.11          | QEDM Related Standard     | [deleted]            | 1.1     | 1.8<br>[moved to Internet ET]                    |
| 4.3.12          | QEDM Related Standard     | [deleted]            | 1.1     | 1.8<br>[moved to Internet ET]                    |

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|------------------------|---------------------------------|----------------------------|----------------|-----------------------------------------------|
| 4.3.13                 | QEDM Related Standard           | [deleted]                  | 1.1            | 1.8<br>[moved to<br>Internet ET]              |
| 4.3.14                 | QEDM Related Standard           | [deleted]                  | 1.1            | 1.8<br>[moved to<br>Internet ET]              |
| 4.3.15                 | QEDM Related Standard           | [deleted]                  | 1.1            | 1.6<br>1.8<br>[moved to<br>Internet ET]       |
| 4.3.16                 | QEDM Related Standard           | UNC                        | 1.2            | 1.3<br>1.5<br>1.8<br>1.9<br>2.0<br>3.0<br>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<br>[deleted]                              |
| 4.3.20                 | QEDM Related Standard           | UNC                        | 1.3            |                                               |
| 4.3.21                 | QEDM Related Standard           | [deleted]                  | 1.3            | 1.6<br>1.8<br>[deleted]                       |
| 4.3.22                 | QEDM Related Standard           | UNC                        | 1.3            | 1.8                                           |
| 4.3.23                 | QEDM Related Standard           | UNC                        | 1.3            | 1.5<br>1.6<br>1.8<br>1.9<br>2.0<br>2.1<br>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<br>2.0<br>2.1                             |

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|-----------------|---------------------------|----------------------|---------|---------------------------------------|
| 4.3.29          | QEDM Related Standard     | [deleted]            | 1.3     | 1.4<br>1.9<br>2.0<br>2.1<br>[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                                   |
| 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<br>2.1<br>3.0                     |
| 4.3.36          | QEDM Related Standard     | UNC                  | 1.4     |                                       |
| 4.3.37          | QEDM Related Standard     | [deleted]            | 1.4     | 1.8<br>[moved to<br>Internet ET]      |
| 4.3.38          | QEDM Related Standard     | UNC                  | 1.4     |                                       |
| 4.3.39          | QEDM Related Standard     | [deleted]            | 1.4     | 3.0<br>[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     | <b>3.2</b>                            |
| 4.3.50          | QEDM Related Standard     | UNC                  | 1.4     |                                       |
| 4.3.51          | QEDM Related Standard     | [deleted]            | 1.4     | 2.1<br>[deleted]                      |
| 4.3.52          | QEDM Related Standard     | UNC                  | 1.4     | 2.1                                   |
| 4.3.53          | QEDM Related Standard     | UNC                  | 1.4     |                                       |

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| 4.3.54          | QEDM Related Standard     | UNC                  | 1.4     | 1.5<br>1.9<br>2.0<br>3.0                                |
| 4.3.55          | QEDM Related Standard     | UNC                  | 1.4     |                                                         |
| 4.3.56          | QEDM Related Standard     | [deleted]            | 1.4     | 2.1<br>[deleted]                                        |
| 4.3.57          | QEDM Related Standard     | UNC                  | 1.4     |                                                         |
| 4.3.58          | QEDM Related Standard     | O                    | 1.4     |                                                         |
| 4.3.59          | QEDM Related Standard     | [deleted]            | 1.4     | 2.1<br>[deleted]                                        |
| 4.3.60          | QEDM Related Standard     | <b>[deleted]</b>     | 1.4     | 3.2<br><b>4.0</b><br><b>[deleted, moved to 12.3.29]</b> |
| 4.3.61          | QEDM Related Standard     | [deleted]            | 1.4     | 1.6<br>3.2<br>[deleted]                                 |
| 4.3.62          | QEDM Related Standard     | <b>[deleted]</b>     | 1.4     | <b>4.0</b><br><b>[deleted, moved to 12.3.30]</b>        |
| 4.3.63          | QEDM Related Standard     | [deleted]            | 1.4     | 1.8<br>[deleted]                                        |
| 4.3.64          | QEDM Related Standard     | [deleted]            | 1.4     | 1.8<br>[moved to Internet ET]                           |
| 4.3.65          | QEDM Related Standard     | [deleted]            | 1.4     | 3.0<br>[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<br>1.8<br>[moved to Internet ET]                    |
| 4.3.71          | QEDM Related Standard     | [deleted]            | 1.4     | 1.8<br>[moved to Internet ET]                           |
| 4.3.72          | QEDM Related Standard     | O                    | 1.4     |                                                         |



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| 4.3.73          | QEDM Related Standard     | [deleted]            | 1.4     | 2.1<br>[deleted]                                        |
| 4.3.74          | QEDM Related Standard     | [deleted]            | 1.4     | 2.1<br>[deleted]                                        |
| 4.3.75          | QEDM Related Standard     | UNC                  | 1.4     |                                                         |
| 4.3.76          | QEDM Related Standard     | [deleted]            | 1.4     | 2.1<br>[deleted]                                        |
| 4.3.77          | QEDM Related Standard     | [deleted]            | 1.4     | 1.5<br>[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                                                     |
| 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<br>3.2<br>[deleted]                                 |
| 4.3.84          | QEDM Related Standard     | <b>[deleted]</b>     | 1.4     | 3.2<br><b>4.0</b><br><b>[deleted, moved to 12.3.28]</b> |
| 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<br>[moved to Internet ET]                           |
| 4.3.89          | QEDM Related Standard     | UNC                  | 1.8     |                                                         |
| 4.3.90          | QEDM Related Standard     | UC                   | 1.8     | 1.9<br>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     |                                                         |

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| 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               | <b>[deleted]</b>           | 2.1     | 3.2<br><b>4.0</b><br><b>[deleted, moved to 12.3.31]</b> |
| 4.3.104         | QEDM Related Standard               | NA<br>(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     |                                                         |
| 4.3.108         | QEDM Related Standard               | UNC                        | 3.2     |                                                         |
| 4.3.109         | QEDM Related Standard               | <b>[deleted]</b>           | 3.2     | <b>4.0</b><br><b>[deleted]</b>                          |
| 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<br>2.0                                              |

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|-----------------|-----------------------------------|----------------------|---------|-----------------------------------------------|
| 5.3.2           | Capacity Release Related Standard | UNC                  | 1.0     | 1.4<br>1.5<br>1.7<br>1.9<br>2.0<br>2.1<br>3.0 |
| 5.3.3           | Capacity Release Related Standard | UNC                  | 1.0     | 1.9<br>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<br>[deleted]                              |
| 5.3.7           | Capacity Release Related Standard | UNC                  | 1.0     | 1.7<br>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                                           |
| 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<br>[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<br>1.5                                    |
| 5.3.23          | Capacity Release Related Standard | UNC                  | 1.0     |                                               |
| 5.3.24          | Capacity Release Related Standard | UNC                  | 1.0     | 1.5<br>2.0                                    |
| 5.3.25          | Capacity Release Related Standard | UNC                  | 1.0     | 2.0                                           |

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| 5.3.26                 | Capacity Release Related Standard | UNC                        | 1.0            | 1.9<br>2.0<br>2.1       |
| 5.3.27                 | Capacity Release Related Standard | [deleted]                  | 1.0            | 2.0<br>3.0<br>[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<br>[deleted]        |
| 5.3.31                 | Capacity Release Related Standard | UNC                        | 1.4            | 1.5<br>2.0              |
| 5.3.32                 | Capacity Release Related Standard | UNC                        | 1.4            | 1.5<br>2.0<br>3.0       |
| 5.3.33                 | Capacity Release Related Standard | UNC                        | 1.4            | 1.5<br>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            |                         |
| 5.3.38                 | Capacity Release Related Standard | UNC                        | 1.4            | 2.0<br>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<br>2.0              |
| 5.3.43                 | Capacity Release Related Standard | [deleted]                  | 1.5            | 2.0<br>[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<br>3.0              |
| 5.3.49                 | Capacity Release Related Standard | UNC                        | 1.7            | 3.0                     |

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|------------------------|-----------------------------------|----------------------------|----------------|------------------|
| 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<br>[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              |
| 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            |                  |

| Standard Number | Description <sup>19</sup>                       | Intent <sup>20</sup> | Adopted | Revised                                                           |
|-----------------|-------------------------------------------------|----------------------|---------|-------------------------------------------------------------------|
| 5.4.1           | Offer Download Datasets – Data Dictionary       | [deleted]            | 1.0     | 1.2<br>1.3<br>1.5<br>1.6<br>1.7<br>1.8<br>1.9<br>2.0<br>[deleted] |
| 5.4.2           | Bid Download Datasets – Data Dictionary         | [deleted]            | 1.0     | 1.2<br>1.3<br>1.5<br>1.6<br>1.7<br>1.8<br>1.9<br>2.0<br>[deleted] |
| 5.4.3           | Award Download Datasets – Data Dictionary       | [deleted]            | 1.0     | 1.2<br>1.3<br>1.5<br>1.6<br>1.7<br>1.8<br>1.9<br>2.0<br>[deleted] |
| 5.4.4           | Replacement Capacity Datasets – Data Dictionary | [deleted]            | 1.0     | 1.2<br>1.5<br>1.6<br>1.7<br>1.9<br>2.0<br>[deleted]               |
| 5.4.5           | Withdrawal Download Datasets – Data Dictionary  | [deleted]            | 1.0     | 1.3<br>1.5<br>1.7<br>1.8<br>1.9<br>2.0<br>[deleted]               |
| 5.4.6           | Withdrawal Upload Datasets – Data Dictionary    | [deleted]            | 1.0     | 1.2<br>1.3<br>1.5<br>1.7<br>1.9<br>2.0<br>[deleted]               |

| Standard Number | Description <sup>19</sup>                                                  | Intent <sup>20</sup> | Adopted | Revised                                                           |
|-----------------|----------------------------------------------------------------------------|----------------------|---------|-------------------------------------------------------------------|
| 5.4.7           | Offer Upload Datasets – Data Dictionary                                    | [deleted]            | 1.0     | 1.2<br>1.3<br>1.5<br>1.6<br>1.7<br>1.8<br>1.9<br>2.0<br>[deleted] |
| 5.4.8           | Offer Upload Quick Response Datasets – Data Dictionary                     | [deleted]            | 1.0     | 1.2<br>1.3<br>1.5<br>1.6<br>1.7<br>1.8<br>1.9<br>2.0<br>[deleted] |
| 5.4.9           | Offer Upload Notification Datasets – Data Dictionary                       | [deleted]            | 1.0     | 1.2<br>1.3<br>1.5<br>1.6<br>1.7<br>1.8<br>1.9<br>2.0<br>[deleted] |
| 5.4.10          | Offer Upload Bidder Confirmation Datasets – Data Dictionary                | [deleted]            | 1.0     | 1.2<br>1.5<br>1.7<br>1.8<br>1.9<br>2.0<br>[deleted]               |
| 5.4.11          | Offer Upload Bidder Confirmation Quick Response Datasets – Data Dictionary | [deleted]            | 1.0     | 1.2<br>1.3<br>1.7<br>1.8<br>2.0<br>[deleted]                      |
| 5.4.12          | Offer Upload Final Disposition Datasets – Data Dictionary                  | [deleted]            | 1.0     | 1.2<br>1.5<br>1.7<br>1.9<br>2.0<br>[deleted]                      |

| Standard Number | Description <sup>19</sup>                                                       | Intent <sup>20</sup> | Adopted | Revised                                                     |
|-----------------|---------------------------------------------------------------------------------|----------------------|---------|-------------------------------------------------------------|
| 5.4.13          | Operationally Available and Unsubscribed Capacity Datasets – Data Dictionary    | [deleted]            | 1.0     | 1.2<br>1.5<br>1.6<br>1.7<br>1.8<br>1.9<br>2.0<br>[deleted]  |
| 5.4.14          | Upload of Request for Download of Posted Datasets – Data Dictionary             | UNC                  | 1.0     | 1.2<br>1.6<br>1.7<br>1.8<br>1.9<br>2.0<br>2.1<br>3.0        |
| 5.4.15          | Response to Upload of Request for Download of Posted Datasets – Data Dictionary | UNC                  | 1.0     | 1.2<br>1.6<br>1.7<br>1.8<br>1.9<br>2.0<br>2.1<br>3.0<br>3.2 |
| 5.4.16          | System-Wide Notices Dataset – Data Dictionary                                   | UNC                  | 1.0     | 1.2<br>1.5<br>1.7<br>1.9<br>2.0<br>2.1<br>3.0<br>3.2        |
| 5.4.17          | Note/ Special Instruction Dataset – Data Dictionary                             | UNC                  | 1.0     | 1.2<br>1.3<br>1.5<br>1.7<br>1.9<br>2.0<br>2.1<br>3.0<br>3.1 |
| 5.4.18          | Bid Upload Datasets – Data Dictionary                                           | [deleted]            | 1.4     | 1.5<br>1.6<br>1.7<br>1.8<br>1.9<br>2.0<br>[deleted]         |



| Standard Number | Description <sup>19</sup>                                                        | Intent <sup>20</sup> | Adopted | Revised                                                     |
|-----------------|----------------------------------------------------------------------------------|----------------------|---------|-------------------------------------------------------------|
| 5.4.19          | Bid Upload Quick Response Datasets – Data Dictionary                             | [deleted]            | 1.4     | 1.5<br>1.6<br>1.7<br>1.8<br>1.9<br>2.0<br>[deleted]         |
| 5.4.20          | Transactional Reporting – Capacity Release Dataset – Data Dictionary             | UNC                  | 1.6     | 1.8<br>1.9<br>2.0<br>2.1<br>3.0<br>3.1<br>3.2<br><b>4.0</b> |
| 5.4.21          | Transactional Reporting – Firm Transportation Dataset – Data Dictionary          | UNC                  | 1.6     | 1.8<br>1.9<br>2.0<br>2.1<br>3.0<br>3.1<br>3.2<br><b>4.0</b> |
| 5.4.22          | Transactional Reporting – Interruptible Transportation Dataset – Data Dictionary | UNC                  | 1.6     | 1.8<br>1.9<br>2.0<br>2.1<br>3.0<br>3.1<br>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<br>3.0<br>3.1<br>3.2<br><b>4.0</b>                      |
| 5.4.25          | Bid Dataset – Data Dictionary                                                    | UNC                  | 2.0     | 2.1<br>3.0<br>3.1<br>3.2<br><b>4.0</b>                      |
| 5.4.26          | Award Download Dataset – Data Dictionary                                         | UNC                  | 2.0     | 2.1<br>3.0<br>3.1<br>3.2<br><b>4.0</b>                      |
| 5.4.27          | Withdrawal Download Dataset – Data Dictionary                                    | UNC                  | 2.0     | 3.0                                                         |

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|------------------------|------------------------------------------------------------------------------------------------------|----------------------------|----------------|------------------------------------------------------|
| 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<br>1.8<br>1.9<br>2.0<br>3.1<br>3.2<br><b>4.0</b> |
| 6.3.1.CA               | Canadian Addendum to the Base Contract for Sale and Purchase of Natural Gas                          | O                          | 1.7            | 1.8<br>1.9<br>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                                                  |
| 6.3.1.RG               | Renewable Natural Gas Addendum to the Base Contract for Sale and Purchase of Natural Gas             | O                          | <b>4.0</b>     |                                                      |
| 6.3.1.CG               | Certified Gas Addendum to the Base Contract for the Sale and Purchase of Natural Gas                 | O                          | <b>4.0</b>     |                                                      |
| 6.3.2                  | Day Trade Interruptible Contract                                                                     | O                          | 1.3            |                                                      |
| 6.3.3                  | Electronic Data Interchange Trading Partner Agreement                                                | UNC                        | 1.4            | 1.6<br>1.8<br>1.9<br>3.1                             |
| 6.3.4                  | NAESB Funds Transfer Agent Agreement (Natural Gas)                                                   | O                          | 1.7            |                                                      |
| 6.3.5                  | Master Agreement for Purchase, Sale or Exchange of Liquid Hydrocarbons                               | O                          | 2.1            | 3.1<br>3.2                                           |
| 6.3.100                | Contracts Related Standard                                                                           | UN                         | 3.2            |                                                      |
| 6.3.101                | Contracts Related Standard                                                                           | O                          | 3.2            |                                                      |

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| 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            | <b>4.0</b>       |
| 6.4.2                  | Transaction Confirmation – Data Dictionary           | UC                         | 3.2            | <b>4.0</b>       |
| 6.4.3                  | Sale and Purchase Invoice – Data Dictionary          | UC                         | 3.2            | <b>4.0</b>       |
| 6.4.4                  | Sale and Purchase Invoice Response – Data Dictionary | UC                         | 3.2            | <b>4.0</b>       |
| 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              |

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|------------------------|-----------------------------------------------------------------------------------------|----------------------------|----------------|-------------------------------------------------|
| 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<br>[deleted]                                |
| 10.1.1                 | IET Related Principle                                                                   |                            | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.1.1] |
| 10.1.2                 | IET Related Principle                                                                   |                            | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.1.2] |
| 10.1.3                 | IET Related Principle                                                                   |                            | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.1.3] |
| 10.1.4                 | IET Related Principle                                                                   |                            | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.1.4] |
| 10.1.5                 | IET Related Principle                                                                   |                            | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.1.5] |
| 10.1.6                 | IET Related Principle                                                                   |                            | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.1.6] |
| 10.1.7                 | IET Related Principle                                                                   |                            | 1.8            | 1.9<br>3.2<br>[deleted]                         |
| 10.1.8                 | IET Related Principle                                                                   |                            | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.1.7] |
| 10.1.9                 | IET Related Principle                                                                   |                            | 1.8            | 1.9<br>3.2<br>[deleted]                         |
| 10.1.10                | IET Related Principle                                                                   |                            | 1.9            | <b>4.0</b><br>[deleted, moved to 12.1.8]        |

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| 10.2.1                 | IET Related Definition          |                            | 1.8            | 1.9<br>4.0<br>[deleted, moved to 12.2.1]        |
| 10.2.2                 | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.2]               |
| 10.2.3                 | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.3]               |
| 10.2.4                 | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.4]               |
| 10.2.5                 | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.5]               |
| 10.2.6                 | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.6]               |
| 10.2.7                 | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.7]               |
| 10.2.8                 | IET Related Definition          |                            | 1.8            | 1.9<br>2.1<br>4.0<br>[deleted, moved to 12.2.8] |
| 10.2.9                 | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.9]               |
| 10.2.10                | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.10]              |
| 10.2.11                | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.11]              |
| 10.2.12                | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.12]              |
| 10.2.13                | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.13]              |

| <b>Standard Number</b> | <b>Description<sup>19</sup></b> | <b>Intent<sup>20</sup></b> | <b>Adopted</b> | <b>Revised</b>                            |
|------------------------|---------------------------------|----------------------------|----------------|-------------------------------------------|
| 10.2.14                | IET Related Definition          |                            | 1.8            | 1.9<br>4.0<br>[deleted, moved to 12.2.14] |
| 10.2.15                | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.15]        |
| 10.2.16                | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.16]        |
| 10.2.17                | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.17]        |
| 10.2.18                | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.18]        |
| 10.2.19                | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.19]        |
| 10.2.20                | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.20]        |
| 10.2.21                | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.21]        |
| 10.2.22                | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.22]        |
| 10.2.23                | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.23]        |
| 10.2.24                | IET Related Definition          |                            | 1.8            | 1.9<br>4.0<br>[deleted, moved to 12.2.24] |
| 10.2.25                | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.25]        |
| 10.2.26                | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.26]        |
| 10.2.27                | IET Related Definition          |                            | 1.8            | 4.0<br>[deleted, moved to 12.2.27]        |

| <b>Standard Number</b> | <b>Description<sup>19</sup></b> | <b>Intent<sup>20</sup></b> | <b>Adopted</b> | <b>Revised</b>                                          |
|------------------------|---------------------------------|----------------------------|----------------|---------------------------------------------------------|
| 10.2.28                | IET Related Definition          |                            | 1.8            | <b>4.0</b><br>[deleted, moved to 12.2.28]               |
| 10.2.29                | IET Related Definition          |                            | 1.8            | <b>4.0</b><br>[deleted, moved to 12.2.29]               |
| 10.2.30                | IET Related Definition          |                            | 1.8            | 1.9<br>2.1<br><b>4.0</b><br>[deleted, moved to 12.2.30] |
| 10.2.31                | IET Related Definition          |                            | 1.8            | <b>4.0</b><br>[deleted, moved to 12.2.31]               |
| 10.2.32                | IET Related Definition          |                            | 1.8            | <b>4.0</b><br>[deleted, moved to 12.2.32]               |
| 10.2.33                | IET Related Definition          |                            | 1.8            | 3.2<br><b>4.0</b><br>[deleted, moved to 12.2.33]        |
| 10.2.34                | IET Related Definition          |                            | 1.8            | 3.2<br><b>4.0</b><br>[deleted, moved to 12.2.34]        |
| 10.2.35                | IET Related Definition          |                            | 1.8            | <b>4.0</b><br>[deleted, moved to 12.2.35]               |
| 10.2.36                | IET Related Definition          |                            | 1.8            | <b>4.0</b><br>[deleted, moved to 12.2.36]               |
| 10.2.37                | IET Related Definition          |                            | 1.8            | <b>4.0</b><br>[deleted, moved to 12.2.37]               |
| 10.2.38                | IET Related Definition          |                            | 1.8            | <b>4.0</b><br>[deleted, moved to 12.2.38]               |
| 10.2.39                | IET Related Definition          |                            | 3.2            | <b>4.0</b><br>[deleted, moved to 12.2.39]               |
| 10.3.1                 | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.3.1]         |

| <b>Standard Number</b> | <b>Description<sup>19</sup></b> | <b>Intent<sup>20</sup></b> | <b>Adopted</b> | <b>Revised</b>                                         |
|------------------------|---------------------------------|----------------------------|----------------|--------------------------------------------------------|
| 10.3.2                 | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br>3.0<br>[deleted]                                |
| 10.3.3                 | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.3.2]        |
| 10.3.4                 | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br>3.2<br><b>4.0</b><br>[deleted, moved to 12.3.3] |
| 10.3.5                 | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.3.4]        |
| 10.3.6                 | IET Related Standard            | [deleted]                  | 1.8            | <b>4.0</b><br>[deleted, moved to 12.3.5]               |
| 10.3.7                 | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.3.6]        |
| 10.3.8                 | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.3.7]        |
| 10.3.9                 | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.3.8]        |
| 10.3.10                | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.3.9]        |
| 10.3.11                | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.3.10]       |
| 10.3.12                | IET Related Standard            | [deleted]                  | 1.8            | <b>4.0</b><br>[deleted, moved to 12.3.11]              |



| <b>Standard Number</b> | <b>Description<sup>19</sup></b> | <b>Intent<sup>20</sup></b> | <b>Adopted</b> | <b>Revised</b>                                          |
|------------------------|---------------------------------|----------------------------|----------------|---------------------------------------------------------|
| 10.3.13                | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br>[deleted]                                        |
| 10.3.14                | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.3.12]        |
| 10.3.15                | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br>3.2<br><b>4.0</b><br>[deleted, moved to 12.3.13] |
| 10.3.16                | IET Related Standard            | [deleted]                  | 1.8            | 3.2<br><b>4.0</b><br>[deleted, moved to 12.3.14]        |
| 10.3.17                | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.3.15]        |
| 10.3.18                | IET Related Standard            | [deleted]                  | 1.8            | <b>4.0</b><br>[deleted, moved to 12.3.16]               |
| 10.3.19                | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.3.17]        |
| 10.3.20                | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.3.18]        |
| 10.3.21                | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.3.19]        |
| 10.3.22                | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.3.20]        |
| 10.3.23                | IET Related Standard            | [deleted]                  | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.3.21]        |

| <b>Standard Number</b> | <b>Description<sup>19</sup></b>            | <b>Intent<sup>20</sup></b> | <b>Adopted</b> | <b>Revised</b>                                          |
|------------------------|--------------------------------------------|----------------------------|----------------|---------------------------------------------------------|
| 10.3.24                | IET Related Standard                       | [deleted]                  | 1.8            | 1.9<br><b>4.0</b><br>[deleted, moved to 12.3.22]        |
| 10.3.25                | IET Related Standard                       | [deleted]                  | 1.8            | 1.9<br>3.2<br><b>4.0</b><br>[deleted, moved to 12.3.23] |
| 10.3.26                | IET Related Standard                       | [deleted]                  | 1.9            | <b>4.0</b><br>[deleted, moved to 12.3.24]               |
| 10.3.27                | IET Related Standard                       | [deleted]                  | 1.9            | <b>4.0</b><br>[deleted, moved to 12.3.25]               |
| 10.3.28                | IET Related Standard                       | [deleted]                  | 3.2            | <b>4.0</b><br>[deleted, moved to 12.3.26]               |
| 10.3.29                | IET Related Standard                       | [deleted]                  | 3.2            | <b>4.0</b><br>[deleted, moved to 12.3.27]               |
| 11.2.1                 | eTariff Related Definition                 |                            | 1.9            |                                                         |
| 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<br>2.1                                              |
| 12.1.1                 | Cybersecurity Related Principle            |                            | <b>4.0</b>     |                                                         |
| 12.1.2                 | Cybersecurity Related Principle            |                            | <b>4.0</b>     |                                                         |
| 12.1.3                 | Cybersecurity Related Principle            |                            | <b>4.0</b>     |                                                         |
| 12.1.4                 | Cybersecurity Related Principle            |                            | <b>4.0</b>     |                                                         |
| 12.1.5                 | Cybersecurity Related Principle            |                            | <b>4.0</b>     |                                                         |
| 12.1.6                 | Cybersecurity Related Principle            |                            | <b>4.0</b>     |                                                         |
| 12.1.7                 | Cybersecurity Related Principle            |                            | <b>4.0</b>     |                                                         |

| <b>Standard Number</b> | <b>Description<sup>19</sup></b>  | <b>Intent<sup>20</sup></b> | <b>Adopted</b> | <b>Revised</b> |
|------------------------|----------------------------------|----------------------------|----------------|----------------|
| 12.1.8                 | Cybersecurity Related Principle  |                            | <b>4.0</b>     |                |
| 12.1.9                 | Cybersecurity Related Principle  |                            | <b>4.0</b>     |                |
| 12.2.1                 | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.2                 | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.3                 | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.4                 | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.5                 | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.6                 | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.7                 | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.8                 | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.9                 | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.10                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.11                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.12                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.13                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.14                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.15                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.16                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.17                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.18                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.19                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.20                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.21                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.22                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.23                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.24                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.25                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.26                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.27                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.28                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |

| <b>Standard Number</b> | <b>Description<sup>19</sup></b>  | <b>Intent<sup>20</sup></b> | <b>Adopted</b> | <b>Revised</b> |
|------------------------|----------------------------------|----------------------------|----------------|----------------|
| 12.2.29                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.30                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.31                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.32                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.33                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.34                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.35                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.36                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.37                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.38                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.39                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.40                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.2.41                | Cybersecurity Related Definition |                            | <b>4.0</b>     |                |
| 12.3.1                 | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |
| 12.3.2                 | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |
| 12.3.3                 | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |
| 12.3.4                 | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |
| 12.3.5                 | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |
| 12.3.6                 | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |
| 12.3.7                 | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |
| 12.3.8                 | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |
| 12.3.9                 | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |
| 12.3.10                | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |
| 12.3.11                | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |
| 12.3.12                | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |
| 12.3.13                | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |
| 12.3.14                | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |
| 12.3.15                | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |
| 12.3.16                | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |
| 12.3.17                | Cybersecurity Related Standard   | UNC                        | <b>4.0</b>     |                |

| <b>Standard Number</b> | <b>Description<sup>19</sup></b> | <b>Intent<sup>20</sup></b> | <b>Adopted</b> | <b>Revised</b> |
|------------------------|---------------------------------|----------------------------|----------------|----------------|
| 12.3.18                | Cybersecurity Related Standard  | UNC                        | <b>4.0</b>     |                |
| 12.3.19                | Cybersecurity Related Standard  | UNC                        | <b>4.0</b>     |                |
| 12.3.20                | Cybersecurity Related Standard  | UC                         | <b>4.0</b>     |                |
| 12.3.21                | Cybersecurity Related Standard  | UNC                        | <b>4.0</b>     |                |
| 12.3.22                | Cybersecurity Related Standard  | UNC                        | <b>4.0</b>     |                |
| 12.3.23                | Cybersecurity Related Standard  | UNC                        | <b>4.0</b>     |                |
| 12.3.24                | Cybersecurity Related Standard  | UNC                        | <b>4.0</b>     |                |
| 12.3.25                | Cybersecurity Related Standard  | UNC                        | <b>4.0</b>     |                |
| 12.3.26                | Cybersecurity Related Standard  | UNC                        | <b>4.0</b>     |                |
| 12.3.27                | Cybersecurity Related Standard  | O                          | <b>4.0</b>     |                |
| 12.3.28                | Cybersecurity Related Standard  | UC                         | <b>4.0</b>     |                |
| 12.3.29                | Cybersecurity Related Standard  | UNC                        | <b>4.0</b>     |                |
| 12.3.30                | Cybersecurity Related Standard  | UNC                        | <b>4.0</b>     |                |
| 12.3.31                | Cybersecurity Related Standard  | UNC                        | <b>4.0</b>     |                |

Appendices:

- A Links to Executive Committee Meeting Minutes, Comments, and Voting Records
- B Links to Ratification Ballots and Results
- C List of Transcripts
- D NAESB Process for Standards Development
- E NAESB WGQ Annual Plans
- F Minor Corrections Applied
- G No Action Recommendations
- H Entities with Access to NAESB Standards
- I Entities without Recorded Access to the Most Recently Mandated NAESB WGQ Standards, Version 3.2

Appendix A Links to EC Meeting Minutes, Comments, and Voting Records

| Appendix A – Links to EC Meeting Minutes, Comments, and Voting Records |                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                           |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Date of Meeting                                                        | Link to Minutes and EC Voting Records                                                                                                                                                                                                                                                                                                          | Recommendations that Resulted in Version 4 Business Practice Standards or Standard modifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Link to Comments Submitted During Formal Comment Period                                   |
| 10-29-20                                                               | WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br><a href="https://naesb.org/pdf4/wgq_ec102920fm.docx">https://naesb.org/pdf4/wgq_ec102920fm.docx</a>                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                           |
| 12-01-20                                                               | WGQ EC Notational Ballot on Recommendation for No Action:<br><a href="https://naesb.org/pdf4/wgq_ec120120_ballot.doc">https://naesb.org/pdf4/wgq_ec120120_ballot.doc</a><br><br>WGQ EC Notational Ballot Results:<br><a href="https://naesb.org/pdf4/wgq_ec120120ballot_results.doc">https://naesb.org/pdf4/wgq_ec120120ballot_results.doc</a> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                           |
| 03-11-21                                                               | WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br><a href="https://naesb.org/pdf4/wgq_ec031121fm.docx">https://naesb.org/pdf4/wgq_ec031121fm.docx</a>                                                                                                                                                                  | <p>2020 WGQ Annual Plan Item 6.c – Develop and/or modify the NAESB Business Practice Standards as needed to address Additional Findings and Considerations identified by Sandia National Laboratories (Sandia)</p> <p>Recommendation:<br/><a href="https://www.naesb.org/member_login_check.asp?doc=wgq_2020_api_6c_rec.docx">https://www.naesb.org/member_login_check.asp?doc=wgq_2020_api_6c_rec.docx</a></p> <p>Standards Request R20012 – Request to modify the Allocation Matrix (NAESB WGQ Standard 2.4.3 Allocation) to reflect usage of Service Requester Contract as mutually agreed, rather than not used, for allocation transaction types 10R and 10D</p> <p>Recommendation:<br/><a href="https://www.naesb.org/member_login_check.asp?doc=wgq_r20012_rec.docx">https://www.naesb.org/member_login_check.asp?doc=wgq_r20012_rec.docx</a></p> <p>Standards Request R20014 – Request to update the Condition for data element "Charge Type Rate" to NAESB WGQ Standard No. 3.4.1 (Transportation/Sales Invoice). Need the ability to send a null Charge Type Rate when Blended Rates occur</p> <p>Recommendation:<br/><a href="https://www.naesb.org/member_login_check.asp?doc=wgq_r">https://www.naesb.org/member_login_check.asp?doc=wgq_r</a></p> | <p>No comments submitted.</p> <p>No comments submitted.</p> <p>No comments submitted.</p> |

Appendix A Links to EC Meeting Minutes, Comments, and Voting Records

| Appendix A – Links to EC Meeting Minutes, Comments, and Voting Records |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Date of Meeting                                                        | Link to Minutes and EC Voting Records                                                                                                                                                                                                                                                                                                                                          | Recommendations that Resulted in Version 4 Business Practice Standards or Standard modifications                                                                                                                                                                                                                                                                                                  | Link to Comments Submitted During Formal Comment Period                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                        |                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">20014_rec.docx</a>                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 03-31-21                                                               | WGQ EC Notational Ballot on Minor Correction:<br><a href="https://naesb.org/pdf4/wgq_ec033121_mc_action_ballot.docx">https://naesb.org/pdf4/wgq_ec033121_mc_action_ballot.docx</a><br><br>WGQ EC Notational Ballot Results:<br><a href="https://naesb.org/pdf4/wgq_ec033121_mc_action_ballot_results.doc">https://naesb.org/pdf4/wgq_ec033121_mc_action_ballot_results.doc</a> |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 10-07-21                                                               | WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br><a href="https://naesb.org/pdf4/wgq_ec100721fm.docx">https://naesb.org/pdf4/wgq_ec100721fm.docx</a>                                                                                                                                                                                                  | Standards Request R21001 – Request to modify NAESB WGQ Standard 0.4.1 Storage Information to add sender’s option data element “Cycle Indicator”<br>Recommendation:<br><a href="https://www.naesb.org/member_login_check.asp?doc=wgq_r21001_rec_081821.docx">https://www.naesb.org/member_login_check.asp?doc=wgq_r21001_rec_081821.docx</a>                                                       | No comments submitted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 01-25-22                                                               | Joint WEQ, RMQ, and WEQ EC Single Topic Conference Call with Web Conferencing Meeting Minutes:<br><a href="https://naesb.org/pdf4/ec012522fm.docx">https://naesb.org/pdf4/ec012522fm.docx</a>                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                   | Revised and Approved R21006 Joint Executive Committee Proposal: <a href="https://naesb.org/pdf4/ec012522a1.pptx">https://naesb.org/pdf4/ec012522a1.pptx</a><br>R21006 Joint Executive Committee Proposal Submitted by J. Phillips, SPP: <a href="https://naesb.org/pdf4/ec012522w1.pptx">https://naesb.org/pdf4/ec012522w1.pptx</a>                                                                                                                                                                                             |
| 03-31-22                                                               | WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br><a href="https://naesb.org/pdf4/wgq_ec033122fm.docx">https://naesb.org/pdf4/wgq_ec033122fm.docx</a>                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 10-20-22                                                               | WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br><a href="https://naesb.org/pdf4/wgq_ec102022fm.docx">https://naesb.org/pdf4/wgq_ec102022fm.docx</a>                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 02-07-23                                                               | WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br><a href="https://naesb.org/pdf4/wgq_ec020723fm.docx">https://naesb.org/pdf4/wgq_ec020723fm.docx</a>                                                                                                                                                                                                  | 2022 WEQ Annual Plan Item 4 – Develop modifications to the NAESB Base Contract or a new standardized contract if it is determined beneficial. RNG Addendum is being developed for both Regulatory and Voluntary Programs<br>Recommendation:<br><a href="https://www.naesb.org/pdf4/wgq_2022_api_4_rec_103122.docx">https://www.naesb.org/pdf4/wgq_2022_api_4_rec_103122.docx</a><br>Attachment A: | Comments Submitted by K. Sappenfield, Cheniere Energy: <a href="https://www.naesb.org/pdf4/wgq_103122reqcom_cheniере_gen.docx">https://www.naesb.org/pdf4/wgq_103122reqcom_cheniере_gen.docx</a><br>Attachment A Comments Submitted by K. Sappenfield, Cheniere Energy:<br><a href="https://naesb.org/member_login_check.asp?doc=wgq_103122reqcom_cheniере_attachA.docx">https://naesb.org/member_login_check.asp?doc=wgq_103122reqcom_cheniере_attachA.docx</a><br>Attachment B Comments Submitted by K. Sappenfield, Cheniere |



Appendix A Links to EC Meeting Minutes, Comments, and Voting Records

| Appendix A – Links to EC Meeting Minutes, Comments, and Voting Records |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Date of Meeting                                                        | Link to Minutes and EC Voting Records                                                                                          | Recommendations that Resulted in Version 4 Business Practice Standards or Standard modifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Link to Comments Submitted During Formal Comment Period                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                        |                                                                                                                                | <p><a href="https://naesb.org/member_login_check.asp?doc=wgq_103122reqcom_cheniére_attachA.docx">https://naesb.org/member_login_check.asp?doc=wgq_103122reqcom_cheniére_attachA.docx</a></p> <p>Attachment B:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_103122reqcom_cheniére_attachB.doc">https://naesb.org/member_login_check.asp?doc=wgq_103122reqcom_cheniére_attachB.doc</a></p> <p>2022 WEQ Annual Plan Item 6 – Develop a Responsibly Sourced Natural Gas (RSG) Addendum to the NAESB Base Contract for various program offerings</p> <p>Recommendation:<br/> <a href="https://www.naesb.org/pdf4/wgq_2022_api_6_rec_121522.docx">https://www.naesb.org/pdf4/wgq_2022_api_6_rec_121522.docx</a></p> <p>Attachment A:<br/> <a href="https://www.naesb.org/member_login_check.asp?doc=wgq_2022_api_6_rec_attachA_121522.docx">https://www.naesb.org/member_login_check.asp?doc=wgq_2022_api_6_rec_attachA_121522.docx</a></p> <p>Attachment B:<br/> <a href="https://www.naesb.org/member_login_check.asp?doc=wgq_2022_api_6_rec_attachB_121522.doc">https://www.naesb.org/member_login_check.asp?doc=wgq_2022_api_6_rec_attachB_121522.doc</a></p> | <p>Energy:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_103122reqcom_cheniére_attachB.doc">https://naesb.org/member_login_check.asp?doc=wgq_103122reqcom_cheniére_attachB.doc</a></p> <p>Late Comments Submitted by the WGQ Contracts Subcommittee on Attachment A:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_103122reqcom_wgq_contracts_attachA_late.docx">https://naesb.org/member_login_check.asp?doc=wgq_103122reqcom_wgq_contracts_attachA_late.docx</a></p> <p>Late Comments Submitted by the WGQ Contracts Subcommittee on Attachment B:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_103122reqcom_wgq_contracts_attachB_late.doc">https://naesb.org/member_login_check.asp?doc=wgq_103122reqcom_wgq_contracts_attachB_late.doc</a></p> <p>General Comments Submitted by K. Sappenfield, Cheniere Energy:<br/> <a href="https://naesb.org/pdf4/wgq_121522reqcom_cheniére_gen.docx">https://naesb.org/pdf4/wgq_121522reqcom_cheniére_gen.docx</a></p> <p>Cheniére Energy Comments on Attachment A:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_121522reqcom_cheniére_attachA.docx">https://naesb.org/member_login_check.asp?doc=wgq_121522reqcom_cheniére_attachA.docx</a></p> <p>Cheniére Energy Comments on Attachment B:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_121522reqcom_cheniére_attachB.doc">https://naesb.org/member_login_check.asp?doc=wgq_121522reqcom_cheniére_attachB.doc</a></p> <p>Comments Submitted by the WGQ Contracts Subcommittee on Attachment A:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_121522reqcom_wgq_contracts_attachA.docx">https://naesb.org/member_login_check.asp?doc=wgq_121522reqcom_wgq_contracts_attachA.docx</a>.</p> <p>Comments Submitted by the WGQ Contracts Subcommittee on Attachment B:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_121522reqcom_wgq_contracts_attachB.doc">https://naesb.org/member_login_check.asp?doc=wgq_121522reqcom_wgq_contracts_attachB.doc</a></p> <p>Comments Submitted by EDF:<br/> <a href="https://naesb.org/pdf4/wgq_121522reqcom_EDF.pdf">https://naesb.org/pdf4/wgq_121522reqcom_EDF.pdf</a></p> <p>Comments Submitted by Project Canary:<br/> <a href="https://naesb.org/pdf4/wgq_121522reqcom_project_canary.pdf">https://naesb.org/pdf4/wgq_121522reqcom_project_canary.pdf</a></p> |
| 03-30-23                                                               | WGQ EC Meeting Minutes:<br><a href="https://naesb.org/pdf4/wgq_ec033023fm.docx">https://naesb.org/pdf4/wgq_ec033023fm.docx</a> | 2023 WGQ Annual Plan Item 1.c/R22003 – Review cybersecurity standards to determine if baseline Multi-Factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | No comments submitted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

Appendix A Links to EC Meeting Minutes, Comments, and Voting Records

| Appendix A – Links to EC Meeting Minutes, Comments, and Voting Records |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Date of Meeting                                                        | Link to Minutes and EC Voting Records                                                                                                                                                  | Recommendations that Resulted in Version 4 Business Practice Standards or Standard modifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Link to Comments Submitted During Formal Comment Period                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                        |                                                                                                                                                                                        | <p>Authentication (MFA) should be integrated into standard requirements and develop supportive standards as needed</p> <p>Recommendation:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_2023_api_1c_R22003_rec_020923.docx">https://naesb.org/member_login_check.asp?doc=wgq_2023_api_1c_R22003_rec_020923.docx</a></p> <p>2023 WGQ Annual Plan Items 1.a and 1.b – Review minimum technical characteristics in the Appendices of the WGQ QEDM Manual, and make changes as, and Review the data used in the NAESB WGQ Internet Electronic Transport specification for data fields that may no longer be utilized and determine if these data fields can be removed</p> <p>Recommendation:<br/> <a href="https://naesb.org/pdf4/wgq_2023_api_1a_1b_rec_022223.docx">https://naesb.org/pdf4/wgq_2023_api_1a_1b_rec_022223.docx</a></p> <p>Attachment A - WGQ Quadrant Electronic Delivery Mechanism Related Standards Manual:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_2023_api_1a_1b_rec_022223_attachA.docx">https://naesb.org/member_login_check.asp?doc=wgq_2023_api_1a_1b_rec_022223_attachA.docx</a></p> <p>Attachment B WGQ Internet Electronic Transport Manual:<br/> <a href="https://www.naesb.org/member_login_check.asp?doc=wgq_2023_api_1a_1b_rec_022223_attachB.docx">https://www.naesb.org/member_login_check.asp?doc=wgq_2023_api_1a_1b_rec_022223_attachB.docx</a></p> | <p>Comments Submitted by T. Kraft, ONE OK:<br/> <a href="https://www.naesb.org/pdf4/wgq_022223reqcom_oneok.docx">https://www.naesb.org/pdf4/wgq_022223reqcom_oneok.docx</a></p> <p>Comments Submitted by WGQ EDM Subcommittee (Attachment A):<br/> <a href="https://www.naesb.org/member_login_check.asp?doc=wgq_02223reqcom_wgq_edm_attachA.docx">https://www.naesb.org/member_login_check.asp?doc=wgq_02223reqcom_wgq_edm_attachA.docx</a></p> <p>Comments Submitted by WGQ EDM Subcommittee (Attachment B):<br/> <a href="https://www.naesb.org/member_login_check.asp?doc=wgq_02223reqcom_wgq_edm_attachB.docx">https://www.naesb.org/member_login_check.asp?doc=wgq_02223reqcom_wgq_edm_attachB.docx</a></p> |
| 08-10-23                                                               | <p>WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br/> <a href="https://naesb.org/pdf4/wgq_ec081023dm.docx">https://naesb.org/pdf4/wgq_ec081023dm.docx</a></p> | <p>2023 WGQ Annual Plan Item 4 – Develop technical implementation business practice standards to support automation of the new Renewable Natural Gas Addendum and necessary modifications of the Base Contract for Sale and Purchase of Natural Gas</p> <p>Recommendation:<br/> <a href="https://naesb.org/pdf4/wgq_2023_api_4_rec_070623.docx">https://naesb.org/pdf4/wgq_2023_api_4_rec_070623.docx</a></p> <p>Attachment 1:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_2023_api_4_rec_070623_attach1.docx">https://naesb.org/member_login_check.asp?doc=wgq_2023_api_4_rec_070623_attach1.docx</a></p> <p>Attachment 2:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_2023_api_4_rec_070623_attach2.docx">https://naesb.org/member_login_check.asp?doc=wgq_2023_api_4_rec_070623_attach2.docx</a></p> <p>Attachment 3:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | No comments submitted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

Appendix A Links to EC Meeting Minutes, Comments, and Voting Records

| Appendix A – Links to EC Meeting Minutes, Comments, and Voting Records |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                            |
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| Date of Meeting                                                        | Link to Minutes and EC Voting Records | Recommendations that Resulted in Version 4 Business Practice Standards or Standard modifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Link to Comments Submitted During Formal Comment Period                                                                                                                                                                                    |
|                                                                        |                                       | <p><a href="https://naesb.org/member_login_check.asp?doc=wgq_2023_api_4_rec_070623_attach3.docx">https://naesb.org/member_login_check.asp?doc=wgq_2023_api_4_rec_070623_attach3.docx</a></p> <p>Attachment 4:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_2023_api_4_rec_070623_attach4.docx">https://naesb.org/member_login_check.asp?doc=wgq_2023_api_4_rec_070623_attach4.docx</a></p> <p>Attachment 5:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_2023_api_4_rec_070623_attach5.docx">https://naesb.org/member_login_check.asp?doc=wgq_2023_api_4_rec_070623_attach5.docx</a></p> <p>Attachment 6:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_2023_api_4_rec_070623_attach6.docx">https://naesb.org/member_login_check.asp?doc=wgq_2023_api_4_rec_070623_attach6.docx</a></p> <p>2023 WGQ Annual Plan Item 5 – Develop technical implementation business practice standards to support automation of the new Certified Gas Addendum and necessary modifications of the Base Contract for Sale and Purchase of Natural Gas</p> <p>Recommendation:<br/> <a href="https://naesb.org/pdf4/wgq_2023_api_5_rec_051123.docx">https://naesb.org/pdf4/wgq_2023_api_5_rec_051123.docx</a></p> <p>Attachment 1:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_2023_api_5_rec_051123_attach1.docx">https://naesb.org/member_login_check.asp?doc=wgq_2023_api_5_rec_051123_attach1.docx</a></p> <p>Attachment 2:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_2023_api_5_rec_051123_attach2.docx">https://naesb.org/member_login_check.asp?doc=wgq_2023_api_5_rec_051123_attach2.docx</a></p> <p>Attachment 3:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_2023_api_5_rec_051123_attach3.docx">https://naesb.org/member_login_check.asp?doc=wgq_2023_api_5_rec_051123_attach3.docx</a></p> <p>Attachment 4:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_2023_api_5_rec_051123_attach4.docx">https://naesb.org/member_login_check.asp?doc=wgq_2023_api_5_rec_051123_attach4.docx</a></p> <p>Attachment 5:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_2023_api_5_rec_051123_attach5.docx">https://naesb.org/member_login_check.asp?doc=wgq_2023_api_5_rec_051123_attach5.docx</a></p> <p>Attachment 6:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_2023_api_5_rec_051123_attach6.docx">https://naesb.org/member_login_check.asp?doc=wgq_2023_api_5_rec_051123_attach6.docx</a></p> | <p>Comments Submitted by K. Sappenfield, Cheniere Energy:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_051123req_com_cheniere.docx">https://naesb.org/member_login_check.asp?doc=wgq_051123req_com_cheniere.docx</a></p> |

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| Appendix A – Links to EC Meeting Minutes, Comments, and Voting Records |                                       |                                                                                                                                                                                                        |                                                         |
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| Date of Meeting                                                        | Link to Minutes and EC Voting Records | Recommendations that Resulted in Version 4 Business Practice Standards or Standard modifications                                                                                                       | Link to Comments Submitted During Formal Comment Period |
|                                                                        |                                       | Attachment 7:<br><a href="https://naesb.org/member_login_check.asp?doc=wgq_2023_api_5_rec_051123_attach7.docx">https://naesb.org/member_login_check.asp?doc=wgq_2023_api_5_rec_051123_attach7.docx</a> |                                                         |

Appendix B Links to Ratification Ballots and Results

| Appendix B – Links to Ratification Ballots and Results                                                                                                  |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Link to Ballot                                                                                                                                          | Link to Results                                                                                                                | Recommendations Ratified that Resulted in V004 Business Practice Standards or Business Practice Standard modifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat031221ballot.doc">https://naesb.org/member_login_check.asp?doc=wgq_rat031221ballot.doc</a> | <a href="https://naesb.org/pdf4/rat_wgq041221tally.xls">https://naesb.org/pdf4/rat_wgq041221tally.xls</a><br><a href="#">x</a> | <p>Recommendation to Support WGQ 2020 Annual Plan Item 6.c: Develop and/or modify the NAESB Business Practice Standards as needed to address Additional Findings and Considerations identified by Sandia National Laboratories as approved by the WGQ Executive Committee on March 11, 2021:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat031221_wgq_2020_api_6c_rec.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat031221_wgq_2020_api_6c_rec.docx</a></p> <p>Recommendation to Support Standards Request R20009: Request to add a Sender's Option data element "Location Indicator Data" to NAESB WGQ Standard No. 5.4.20 (Transactional Reporting-Capacity Release) as approved by the WGQ Executive Committee on March 11, 2021:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat031221_wgq_r20009_rec.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat031221_wgq_r20009_rec.docx</a></p> <p>Recommendation to Support Standards Request R20012: Request to modify the Allocation Matrix (NAESB WGQ Standard 2.4.3 Allocation) to reflect usage of Service Requester Contract as mutually agreed, rather than not used, for allocation transaction types 10R and 10D. as approved by the WGQ Executive Committee on March 11, 2021:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat031221_wgq_r20012_rec.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat031221_wgq_r20012_rec.docx</a></p> <p>Recommendation to Support Standards Request R20014: Request to update the Condition for data element "Charge Type Rate" to NAESB WGQ Standard No. 3.4.1 (Transportation/Sales Invoice). Need the ability to send a null Charge Type Rate when Blended Rates occur as approved by the WGQ Executive Committee on March 11, 2021:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat031221_wgq_r20014_rec.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat031221_wgq_r20014_rec.docx</a></p> |
| <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat100721ballot.doc">https://naesb.org/member_login_check.asp?doc=wgq_rat100721ballot.doc</a> | <a href="https://naesb.org/pdf4/rat_wgq110521tally.xls">https://naesb.org/pdf4/rat_wgq110521tally.xls</a><br><a href="#">x</a> | <p>Recommendation to Support Standards Request R21001: Request to modify NAESB WGQ Standard 0.4.1 Storage Information to add sender's option data element "Cycle Indicator" as approved by the WGQ Executive Committee on October 7, 2021:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat100721_r21001_rec.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat100721_r21001_rec.docx</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat020723ballot.doc">https://naesb.org/member_login_check.asp?doc=wgq_rat020723ballot.doc</a> | <a href="https://naesb.org/pdf4/rat_wgq030823tally.xls">https://naesb.org/pdf4/rat_wgq030823tally.xls</a><br><a href="#">x</a> | <p>Recommendation to Support 2022 WEQ Annual Plan Item 4 – Develop modifications to the NAESB Base Contract or a new standardized contract if it is determined beneficial. RNG Addendum is being developed for both Regulatory and Voluntary Programs:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat020723_wgq_2022_api_4_rec.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat020723_wgq_2022_api_4_rec.docx</a></p> <p>Attachment A:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat020723_wgq_2022_api_4_rec_attachA.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat020723_wgq_2022_api_4_rec_attachA.docx</a></p> <p>Attachment B:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat020723_wgq_2022_api_4_rec_attachB.doc">https://naesb.org/member_login_check.asp?doc=wgq_rat020723_wgq_2022_api_4_rec_attachB.doc</a></p> <p>Recommendation to Support 2022 WEQ Annual Plan Item 6 – Develop a Responsibly Sourced Natural Gas (RSG) Addendum to the NAESB Base Contract for various program offerings:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

Appendix B Links to Ratification Ballots and Results

| Appendix B – Links to Ratification Ballots and Results                                                                                                  |                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Link to Ballot                                                                                                                                          | Link to Results                                                                                             | Recommendations Ratified that Resulted in V004 Business Practice Standards or Business Practice Standard modifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                         |                                                                                                             | <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat020723_wgq_2022_api_6_rec.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat020723_wgq_2022_api_6_rec.docx</a><br>Attachment A:<br><a href="https://naesb.org/member_login_check.asp?doc=wgq_rat020723_wgq_2022_api_6_rec_attachA.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat020723_wgq_2022_api_6_rec_attachA.docx</a><br>Attachment B:<br><a href="https://naesb.org/member_login_check.asp?doc=wgq_rat020723_wgq_2022_api_6_rec_attachB.doc">https://naesb.org/member_login_check.asp?doc=wgq_rat020723_wgq_2022_api_6_rec_attachB.doc</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat033123ballot.doc">https://naesb.org/member_login_check.asp?doc=wgq_rat033123ballot.doc</a> | <a href="https://naesb.org/pdf4/rat_wgq050123tally.xlsx">https://naesb.org/pdf4/rat_wgq050123tally.xlsx</a> | Recommendation to Support 2023 WGQ Annual Plan Item 1.c/R22003 Review cybersecurity standards to determine if baseline Multi-Factor Authentication (MFA) should be integrated into standard requirements and develop supportive standards as needed:<br><a href="https://naesb.org/member_login_check.asp?doc=wgq_rat033123_wgq_2023_api_1c_R22003_rec.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat033123_wgq_2023_api_1c_R22003_rec.docx</a><br><br>Recommendation to Support 2023 WGQ Annual Plan Item 1.a and 1.b Review minimum technical characteristics in the Appendices of the WGQ QEDM Manual, and make changes as appropriate, and Review the data used in the NAESB WGQ Internet Electronic Transport specification for data fields that may no longer be utilized and determine if these data fields can be removed:<br><a href="https://naesb.org/member_login_check.asp?doc=wgq_rat033123_wgq_2023_api_1a_1b_rec.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat033123_wgq_2023_api_1a_1b_rec.docx</a><br>Attachment A:<br><a href="https://naesb.org/member_login_check.asp?doc=wgq_rat033123_wgq_2023_api_1a_1b_rec_attachA.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat033123_wgq_2023_api_1a_1b_rec_attachA.docx</a><br>Attachment B:<br><a href="https://naesb.org/member_login_check.asp?doc=wgq_rat033123_wgq_2023_api_1a_1b_rec_attachB.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat033123_wgq_2023_api_1a_1b_rec_attachB.docx</a>                                                                                           |
| <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat081023ballot.doc">https://naesb.org/member_login_check.asp?doc=wgq_rat081023ballot.doc</a> | <a href="https://naesb.org/pdf4/rat_wgq091123tally.xlsx">https://naesb.org/pdf4/rat_wgq091123tally.xlsx</a> | Recommendation to Support 2023 WGQ Annual Plan Item 4 - Develop technical implementation business practice standards to support automation of the new Renewable Natural Addendum and necessary modifications of the Base Contract for Sale and Purchase of Natural Gas:<br><a href="https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_4_rec.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_4_rec.docx</a><br>Attachment 1:<br><a href="https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_4_rec_attach1.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_4_rec_attach1.docx</a><br>Attachment 2:<br><a href="https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_4_rec_attach2.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_4_rec_attach2.docx</a><br>Attachment 3:<br><a href="https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_4_rec_attach3.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_4_rec_attach3.docx</a><br>Attachment 4:<br><a href="https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_4_rec_attach4.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_4_rec_attach4.docx</a><br>Attachment 5:<br><a href="https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_4_rec_attach5.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_4_rec_attach5.docx</a><br>Attachment 6: |

Appendix B Links to Ratification Ballots and Results

| Appendix B – Links to Ratification Ballots and Results |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Link to Ballot                                         | Link to Results | Recommendations Ratified that Resulted in V004 Business Practice Standards or Business Practice Standard modifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                        |                 | <p><a href="https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_4_rec_attach6.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_4_rec_attach6.docx</a></p> <p>Recommendation to Support 2023 WGQ Annual Plan Item 5 - Develop technical implementation business practice standards to support automation of the new Certified Gas Addendum and necessary modifications of the Base Contract for Sale and Purchase of Natural Gas:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_5_rec.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_5_rec.docx</a></p> <p>Attachment 1:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_5_rec_attach1.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_5_rec_attach1.docx</a></p> <p>Attachment 2:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_5_rec_attach2.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_5_rec_attach2.docx</a></p> <p>Attachment 3:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_5_rec_attach3.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_5_rec_attach3.docx</a></p> <p>Attachment 4:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_5_rec_attach4.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_5_rec_attach4.docx</a></p> <p>Attachment 5:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_5_rec_attach5.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_5_rec_attach5.docx</a></p> <p>Attachment 6:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_5_rec_attach6.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_5_rec_attach6.docx</a></p> <p>Attachment 7:<br/> <a href="https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_5_rec_attach7.docx">https://naesb.org/member_login_check.asp?doc=wgq_rat081023_wgq_2023_api_5_rec_attach7.docx</a></p> |

Appendix C –List of Transcripts

| Date of Meeting | Meeting and Minutes                                                                                                                                                                           | Transcription Service | How to obtain transcripts <sup>1</sup>                                        |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------|
| 10-29-20        | WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br><a href="https://naesb.org/pdf4/wgq_ec102920fm.docx">https://naesb.org/pdf4/wgq_ec102920fm.docx</a>                 | Jill Webb, CSR        | Jill Webb, CSR<br>1803 Rustic Oak Ln<br>Seabrook, Texas 77586<br>281-853-6807 |
| 03-11-21        | WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br><a href="https://naesb.org/pdf4/wgq_ec031121fm.docx">https://naesb.org/pdf4/wgq_ec031121fm.docx</a>                 | Jill Webb, CSR        | Jill Webb, CSR<br>1803 Rustic Oak Ln<br>Seabrook, Texas 77586<br>281-853-6807 |
| 10-07-21        | WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br><a href="https://naesb.org/pdf4/wgq_ec100721fm.docx">https://naesb.org/pdf4/wgq_ec100721fm.docx</a>                 | Jill Webb, CSR        | Jill Webb, CSR<br>1803 Rustic Oak Ln<br>Seabrook, Texas 77586<br>281-853-6807 |
| 01-25-22        | Joint WEQ, RMQ, and WEQ EC Single Topic Conference Call with Web Conferencing Meeting Minutes:<br><a href="https://naesb.org/pdf4/ec012522fm.docx">https://naesb.org/pdf4/ec012522fm.docx</a> | Jill Webb, CSR        | Jill Webb, CSR<br>1803 Rustic Oak Ln<br>Seabrook, Texas 77586<br>281-853-6807 |
| 03-31-22        | WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br><a href="https://naesb.org/pdf4/wgq_ec033122fm.docx">https://naesb.org/pdf4/wgq_ec033122fm.docx</a>                 | Jill Webb, CSR        | Jill Webb, CSR<br>1803 Rustic Oak Ln<br>Seabrook, Texas 77586<br>281-853-6807 |
| 10-20-22        | WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br><a href="https://naesb.org/pdf4/wgq_ec102022fm.docx">https://naesb.org/pdf4/wgq_ec102022fm.docx</a>                 | Jill Webb, CSR        | Jill Webb, CSR<br>1803 Rustic Oak Ln<br>Seabrook, Texas 77586<br>281-853-6807 |
| 02-07-23        | WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes: <a href="https://naesb.org/pdf4/wgq_ec020723fm.docx">https://naesb.org/pdf4/wgq_ec020723fm.docx</a>                    | Jill Webb, CSR        | Jill Webb, CSR<br>1803 Rustic Oak Ln<br>Seabrook, Texas 77586<br>281-853-6807 |
| 03-30-23        | WGQ EC Meeting Minutes:<br><a href="https://naesb.org/pdf4/wgq_ec033023fm.docx">https://naesb.org/pdf4/wgq_ec033023fm.docx</a>                                                                | Jill Webb, CSR        | Jill Webb, CSR<br>1803 Rustic Oak Ln<br>Seabrook, Texas 77586<br>281-853-6807 |

<sup>1</sup> 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.



Appendix C –List of Transcripts

| Date of Meeting | Meeting and Minutes                                                                                                                                                           | Transcription Service | How to obtain transcripts <sup>1</sup>                                        |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------|
| 08-10-23        | WGQ EC Meeting, Conference Call with Web Conferencing Meeting<br>Minutes: <a href="https://naesb.org/pdf4/wgq_ec081023dm.docx">https://naesb.org/pdf4/wgq_ec081023dm.docx</a> | Jill Webb, CSR        | Jill Webb, CSR<br>1803 Rustic Oak Ln<br>Seabrook, Texas 77586<br>281-853-6807 |

Appendix D NAESB Process for Standards Development

The NAESB Standards Development Process

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

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

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

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

Once the triage process is completed, the subcommittees—more than one are normally involved in standards recommendations—review the request, compare it to existing standards, and prepare recommendations that may take the form of new or modified standards or interpretations. Participation in EC subcommittees is open to any interested party regardless of membership status. All subcommittee participants may vote; voting is balanced by segment and quadrant. All votes are public.

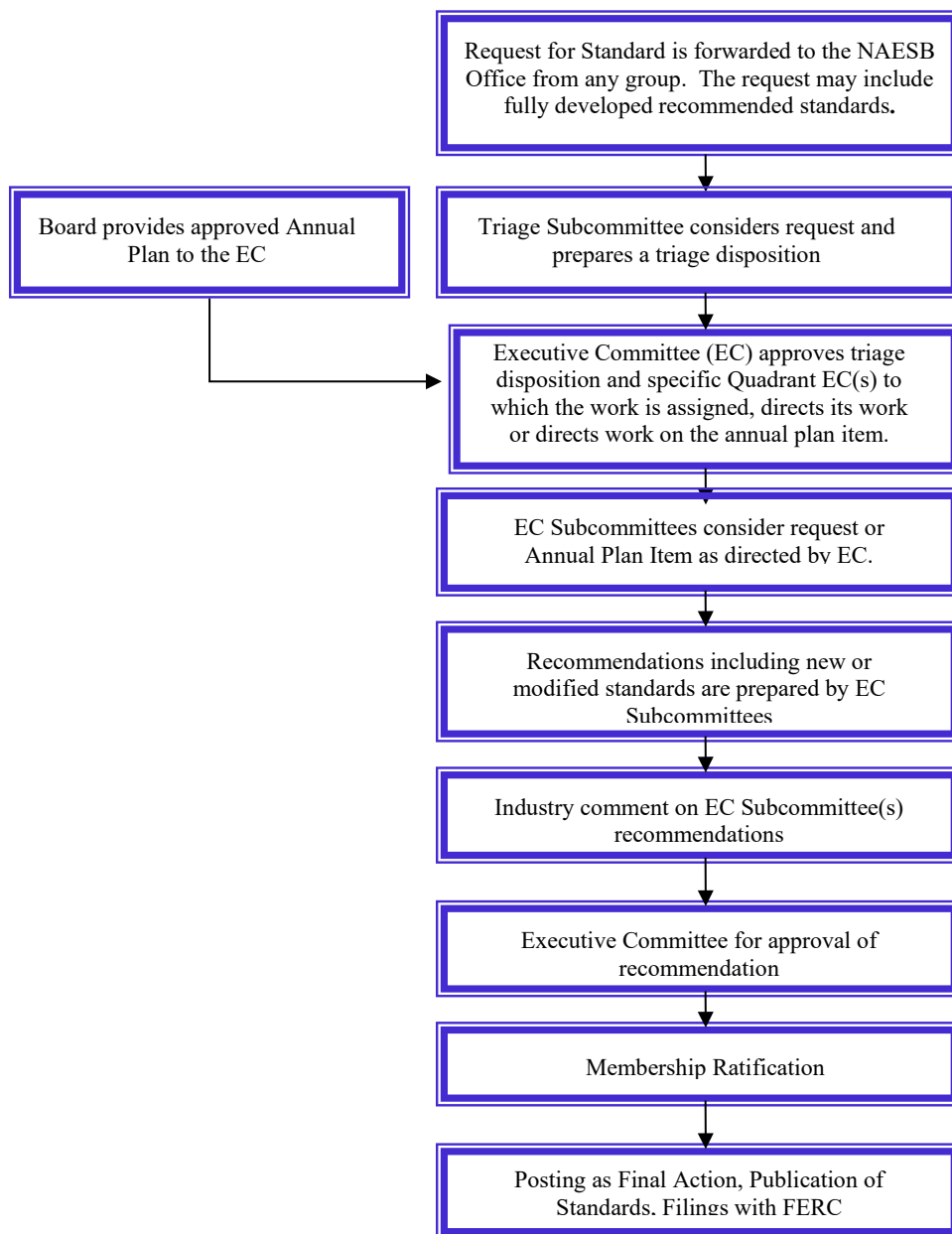
When the recommendation is complete, it is made available for a thirty-day industry comment period. The recommendation and comments are then forwarded to the EC, which considers the recommendation, makes any changes it deems necessary, and takes a vote. A recommendation must receive an affirmative vote of at least 67 percent from each applicable quadrant EC and 40 percent from each of the segments of the applicable quadrant(s).

After passage by the EC, the recommendation must be ratified by the NAESB members. An affirmative vote of 67 percent of the members of the applicable quadrant(s) is required for ratification. After ratification, standards and modifications are considered final actions and will be published in the next version of NAESB standards.

All NAESB quadrants follow the same development process described herein. The process has been followed by the WGQ since 1994 and has been used to develop more than five hundred standards that have been incorporated by reference into federal regulations.

Appendix D NAESB Process for Standards Development

North American Energy Standards Board  
Standards Development Process Flow Chart



Appendix D NAESB Process for Standards Development

### Flexibility

NAESB recognizes that flexibility is necessary as standards are developed to address regional concerns or to incorporate variances to accommodate operational or structural differences. Several WEQ standards incorporate regional or operational differences for both Version 0 and Version 1. There is a high threshold for incorporating such variances in a standard; the subcommittee(s) in drafting the standard, the EC in approving the subcommittee recommendation, and the membership in approving the standard must all agree that such variance is necessary. Nonetheless, NAESB procedures are well suited to take into account operational and regional differences.

### Transparency

All NAESB meetings are open for attendance and participation by any interested party, with the exception of executive sessions of the Board or Managing Committee for purposes of discussing personnel, compensation or legal issues. Meeting announcements and agendas are posted in advance to permit the widest possible participation. Conference-calling capability is available for all meetings and web casting is available for most. Those intending to attend a meeting in person or by telephone are asked to notify NAESB by a specific date to permit adequate meeting planning.

Transcripts are made of all Board of Directors and EC meetings, and may also be made of other meetings that are expected to be controversial. Transcripts are maintained in the NAESB office and are provided to regulatory agencies for their internal use. All other interested parties can purchase transcripts from the relevant transcription service.

### Coordination with NERC

For business practice standards development for the WEQ, if it is determined by NERC and NAESB Executive Management that joint development is needed by NERC and NAESB, the NERC-NAESB Coordination Joint Development Process is implemented.<sup>1</sup> This process requires that the appropriate NAESB Subcommittee and NERC Standards drafting team work together to develop reliability standards and business practices. This process is currently being implemented by the NAESB WEQ BPS and ESS/ITS with the NERC ATC Standards drafting team to develop reliability standards and business practice standards to address Commission Order No. 890.

The Joint Interface Committee of NAESB, NERC and the ISO-RTO Council (“JIC”) was dissolved as part of the agreement to create the Independent Grid Operator segment of the WEQ. The joint development process between NAESB and NERC is being used to ensure appropriate coordination. The ISOs and RTOs have strong decision-making roles in both NERC and NAESB, and thus with the use of the joint development process, the JIC was no longer necessary.

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<sup>1</sup> 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](http://www.naesb.org/doc_view2.asp?doc=ferc021706.pdf).

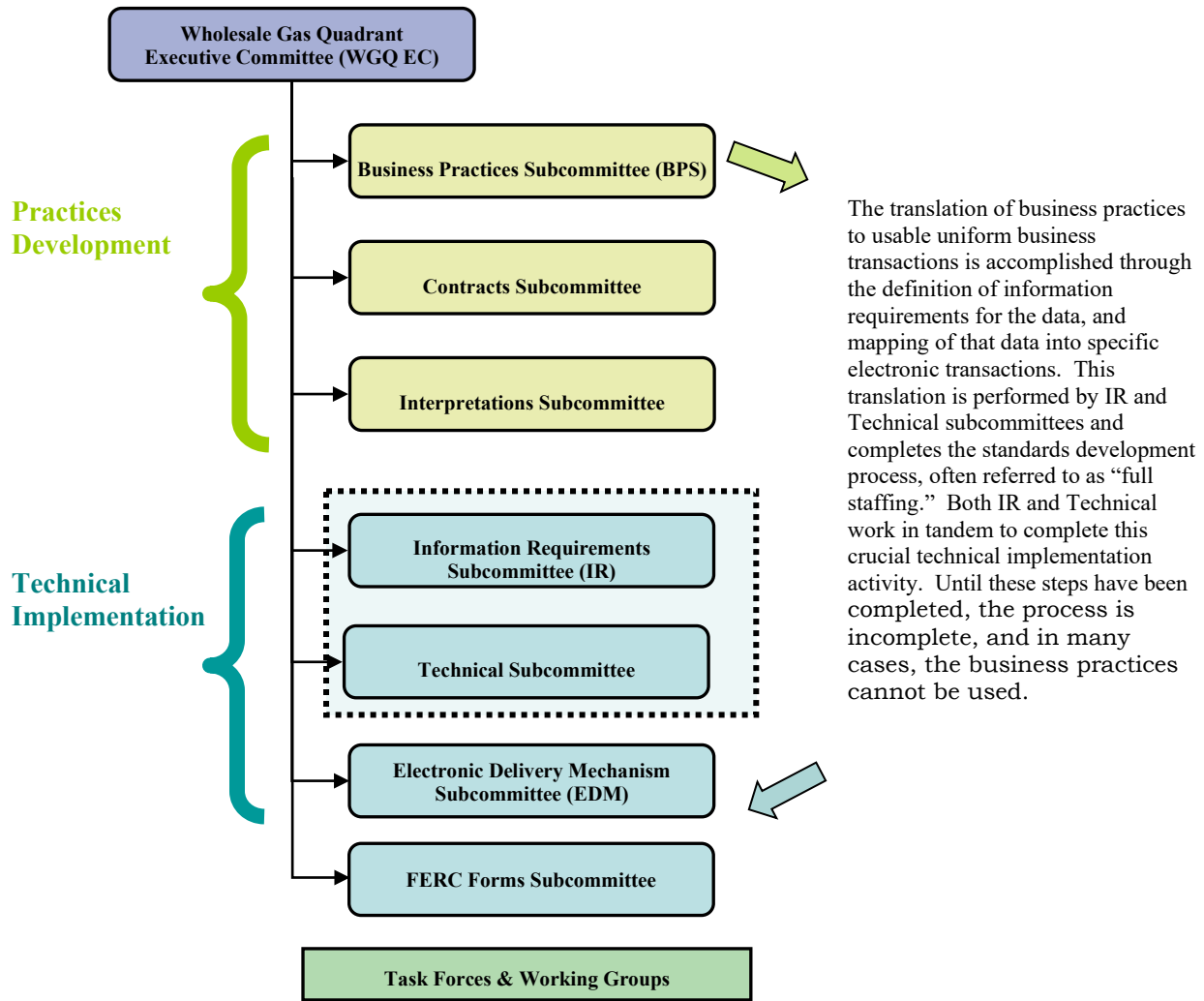
**NORTH AMERICAN ENERGY STANDARDS BOARD  
2020 ANNUAL PLAN for the WHOLESale GAS QUADRANT  
Adopted by the Board of Directors on December 17, 2020**

| <b>Item Description</b>                                                                                                                                                                                                                                                                                                                                                 | <b>Completion<sup>i</sup></b> | <b>Assignment<sup>ii</sup></b>           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------|
| <b>1. Update Base Contact FAQs for use of Transaction Confirmations</b>                                                                                                                                                                                                                                                                                                 |                               |                                          |
| 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.<br>Status: Complete                                                                                                              | 2 <sup>nd</sup> Q, 2020       | WGQ Contracts Subcommittee               |
| <b>2. Electronic Delivery Mechanisms</b>                                                                                                                                                                                                                                                                                                                                |                               |                                          |
| Review minimum technical characteristics in Appendices B, C, and D of the WGQ QEDM Manual, and make changes as appropriate.<br>Status: Complete                                                                                                                                                                                                                         | 1 <sup>st</sup> Q, 2020       | WGQ EDM Subcommittee                     |
| <b>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)<sup>1</sup></b>                                                                                                                                                                                 |                               |                                          |
| Develop business practices as needed to support electronic filing protocols for submittal of FERC Forms<br>Status: Underway                                                                                                                                                                                                                                             | 2020                          | Joint WEQ/WGQ FERC Forms Subcommittee    |
| <b>4. Update Standards Matrix Tool for Ease of Use<sup>iii</sup></b>                                                                                                                                                                                                                                                                                                    |                               |                                          |
| Update the reference tool developed for Version 3.1 to reflect modifications applicable to Version 3.2<br>Status: Not Started                                                                                                                                                                                                                                           | 2020                          | WGQ IR/Technical Subcommittee            |
| <b>5. R18007 Develop a standard digital representation (Blockchain) of natural gas trade events</b>                                                                                                                                                                                                                                                                     |                               |                                          |
| 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 Contract dataset to support formation of electronic version of Base Contract including fully staffed data dictionary and associated code values.<br>Status: Complete                                                                                                                                                           |                               | 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.<br>Status: Complete                                                                         | 2 <sup>nd</sup> Q, 2020       | Joint WGQ BPS/EDM/Contracts Subcommittee |
| <b>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</b>                                                                                                                                                                           |                               |                                          |
| a. Review the surety assessment performed by Sandia National Laboratories and determine if standard changes are necessary.<br>Status: Complete                                                                                                                                                                                                                          | 4 <sup>th</sup> Q, 2019       | Joint WGQ EDM and RMQ IR/TEIS            |

<sup>1</sup> The FERC Order Instituting Proceeding to Develop Electronic Filing Protocols for Commission Forms, issued on April 16, 2015, can be found through the following hyperlink: [https://www.naesb.org/pdf4/ferc041615\\_electronic\\_filing\\_protocols\\_forms.pdf](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 17, 2020**

| Item Description                                                                                                                                                                          | Completion <sup>i</sup> | Assignment <sup>ii</sup>                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------|
| b. Develop and/or modify the NAESB Business Practice Standards as needed to address Security Issues identified by Sandia National Laboratories.<br>Status: Complete                       | 4 <sup>th</sup> 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<br>Status: Complete | 2020                    | Joint WGQ EDM Subcommittee and RMQ IR/TEIS |
| <b>Program of Standards Maintenance &amp; Fully Staffed Standards Work</b>                                                                                                                |                         |                                            |
| Business Practice Requests                                                                                                                                                                | Ongoing                 | Assigned by the EC <sup>iv</sup>           |
| 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 <sup>3</sup>            |
| Information Requirements and Technical Mapping of Business Practices                                                                                                                      | Ongoing                 | Assigned by the EC <sup>3</sup>            |
| Interpretations for Clarifying Language Ambiguities                                                                                                                                       | Ongoing                 | Assigned by the EC <sup>4</sup>            |
| Maintenance of Code Values and Other Technical Matters                                                                                                                                    | Ongoing                 | Assigned by the EC <sup>3</sup>            |
| Maintenance of eTariff Standards                                                                                                                                                          | As Requested            | Assigned by the EC <sup>4</sup>            |
| <b>Provisional Activities</b>                                                                                                                                                             |                         |                                            |
| 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 Brook

**End Notes, WGQ 2020 Annual Plan:**

- <sup>i</sup> 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.
- <sup>ii</sup> The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.
- <sup>iii</sup> 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.
- <sup>iv</sup> The EC assigns maintenance of existing standards on a request-by-request basis.

**NORTH AMERICAN ENERGY STANDARDS BOARD  
2021 ANNUAL PLAN for the WHOLESale GAS QUADRANT  
Adopted by the Board of Directors on April 14, 2022**

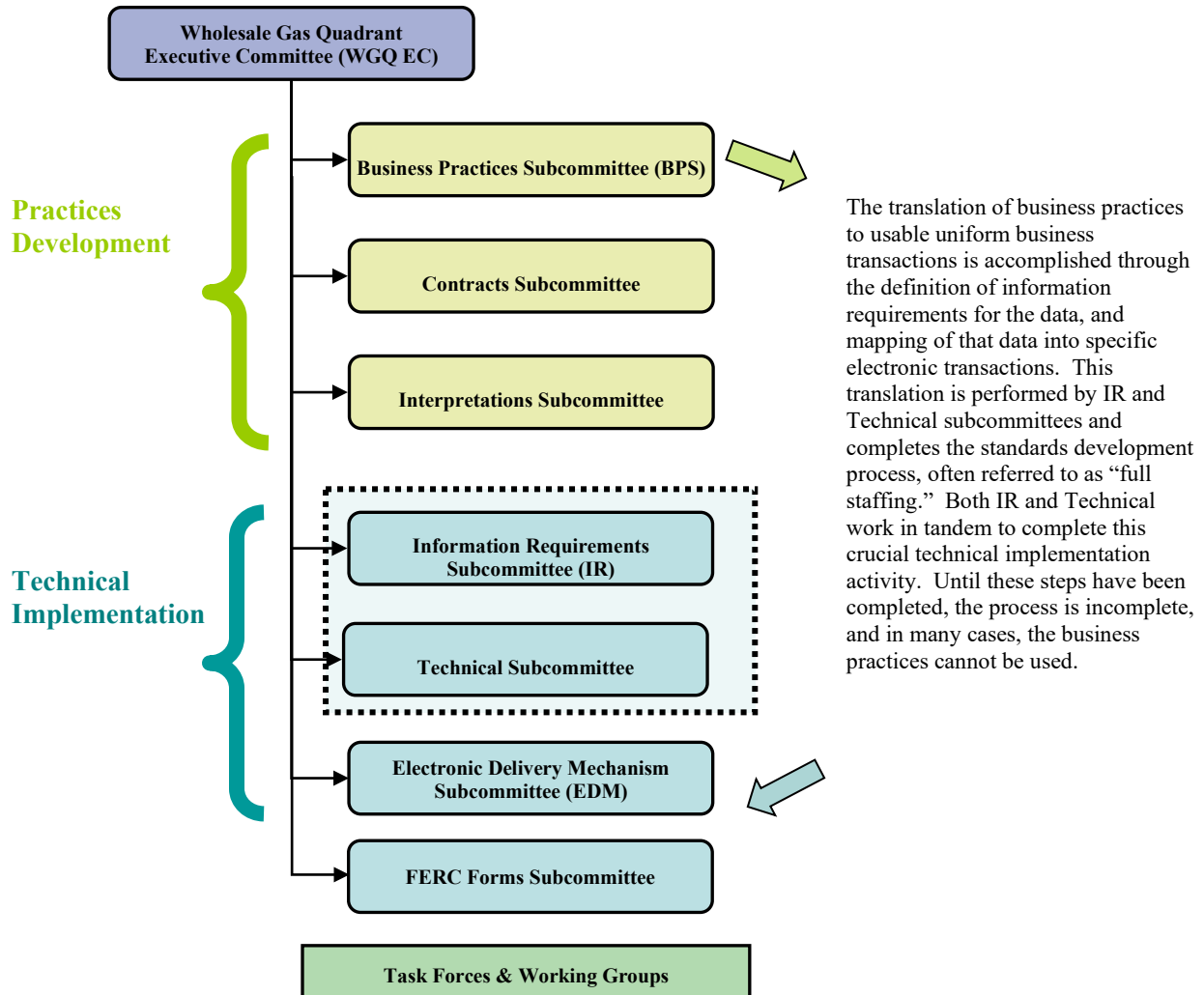
| <b>Item Description</b>                                                                                                                                                                                                                                                                                  | <b>Completion<sup>v</sup></b> | <b>Assignment<sup>vi</sup></b>             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------|
| <b>1. Electronic Delivery Mechanisms</b>                                                                                                                                                                                                                                                                 |                               |                                            |
| a. Review minimum technical characteristics in the Appendices of the WGQ QEDM Manual, and make changes as appropriate.<br>Status: Not Started                                                                                                                                                            | 2022                          | WGQ EDM Subcommittee                       |
| b. Review the data used in the NAESB WGQ Internet Electronic Transport specification for data fields that may no longer be utilized and determine if these data fields can be removed.<br>Status: Not Started                                                                                            | 2022                          | Joint WGQ EDM Subcommittee and RMQ IR/TEIS |
| <b>2. Update Standards Matrix Tool for Ease of Use<sup>vii</sup></b>                                                                                                                                                                                                                                     |                               |                                            |
| Update the reference tool developed for Version 3.1 to reflect modifications applicable to Version 3.2<br>Status: Complete                                                                                                                                                                               | 2021                          | WGQ IR/Technical Subcommittee              |
| <b>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)<sup>1</sup></b>                                                                                                                  |                               |                                            |
| Develop business practices as needed to support electronic filing protocols for submittal of FERC Forms<br>Status: Complete                                                                                                                                                                              | 4 <sup>th</sup> Q, 2021       | Joint WEQ/WGQ FERC Forms Subcommittee      |
| <b>4. Update Prior Standards for digital representation (Blockchain) of natural gas trade events</b>                                                                                                                                                                                                     |                               |                                            |
| After development testing of prior Standards for 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), update prior standards based on results of testing.<br>Status: Not Started | 2022                          | Joint WGQ BPS/EDM/Contracts Subcommittee   |
| <b>5. Renewable Natural Gas Master Agreement</b>                                                                                                                                                                                                                                                         |                               |                                            |
| a. Evaluate the existing NAESB Base Contract to determine if modifications or a new standardized contract is needed to support renewable natural gas purchase and sale transactions.<br>Status: Complete                                                                                                 | 1 <sup>st</sup> Q, 2021       | WGQ Contracts Subcommittee                 |
| b. Develop modifications to the NAESB Base Contract or a new standardized contract if it is determined beneficial<br>Status: Underway                                                                                                                                                                    | 2022                          | WGQ Contracts Subcommittee                 |
| <b>Program of Standards Maintenance &amp; Fully Staffed Standards Work</b>                                                                                                                                                                                                                               |                               |                                            |
| Business Practice Requests                                                                                                                                                                                                                                                                               | Ongoing                       | Assigned by the EC <sup>viii</sup>         |
| 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 <sup>3</sup>            |
| Information Requirements and Technical Mapping of Business Practices                                                                                                                                                                                                                                     | Ongoing                       | Assigned by the EC <sup>3</sup>            |
| Interpretations for Clarifying Language Ambiguities                                                                                                                                                                                                                                                      | Ongoing                       | Assigned by the EC <sup>4</sup>            |
| Maintenance of Code Values and Other Technical Matters                                                                                                                                                                                                                                                   | Ongoing                       | Assigned by the EC <sup>3</sup>            |
| Maintenance of eTariff Standards                                                                                                                                                                                                                                                                         | As Requested                  | Assigned by the EC <sup>4</sup>            |

<sup>1</sup> The FERC Order Instituting Proceeding to Develop Electronic Filing Protocols for Commission Forms, issued on April 16, 2015, can be found through the following hyperlink: [https://www.naesb.org/pdf4/ferc041615\\_electronic\\_filing\\_protocols\\_forms.pdf](https://www.naesb.org/pdf4/ferc041615_electronic_filing_protocols_forms.pdf).



**NORTH AMERICAN ENERGY STANDARDS BOARD  
 2021 ANNUAL PLAN for the WHOLESale GAS QUADRANT  
 Adopted by the Board of Directors on April 14, 2022**

| Item Description                                                                                                                         | Completion <sup>v</sup> | Assignment <sup>vi</sup> |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------|
| <b>Provisional Activities</b>                                                                                                            |                         |                          |
| 1. Develop business practice standards, as needed, to support purchase and sale transactions related to sustainably produced natural gas |                         |                          |



**NAESB 2021 WGQ EC and Subcommittee Leadership:**

- Executive Committee: Jim Buccigross, Chair, Rachel Hogge, Vice-Chair
- Business Practices Subcommittee: Willis McCluskey, Ben Schoene
- 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, Christopher Burden
- WGQ/WEQ FERC Forms Subcommittee: Leigh Spangler, Dick Brooks

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**End Notes, WGQ 2021 Annual Plan:**

<sup>v</sup> 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.

<sup>vi</sup> The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

<sup>vii</sup> As implementation of business issues are presented to the Information Requirements Subcommittee and Technical Subcommittee, those issues will be given precedence over WGQ 2021 Annual Plan Item No. 2.

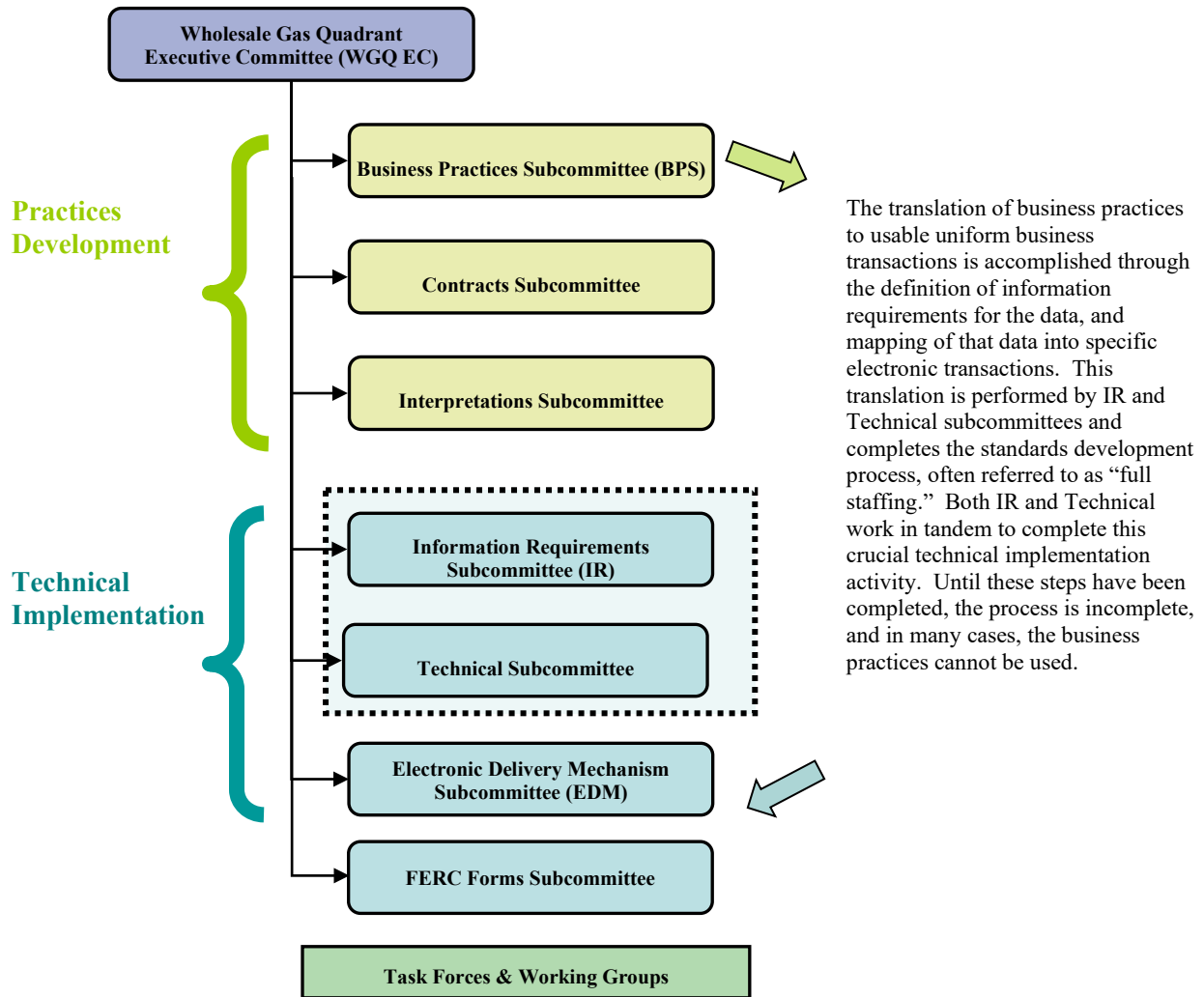
<sup>viii</sup> The EC assigns maintenance of existing standards on a request-by-request basis.

**NORTH AMERICAN ENERGY STANDARDS BOARD  
2022 ANNUAL PLAN for the WHOLESALE GAS QUADRANT  
Adopted by the Board of Directors on September 1, 2022**

| <b>Item Description</b>                                                                                                                                                                                                                                                                                                                                                         | <b>Completion<sup>ix</sup></b> | <b>Assignment<sup>x</sup></b>              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------|
| <b>1. Electronic Delivery Mechanisms</b>                                                                                                                                                                                                                                                                                                                                        |                                |                                            |
| a. Review minimum technical characteristics in the Appendices of the WGQ QEDM Manual, and make changes as appropriate.<br>Status: Not Started                                                                                                                                                                                                                                   | 2022                           | WGQ EDM Subcommittee                       |
| b. Review the data used in the NAESB WGQ Internet Electronic Transport specification for data fields that may no longer be utilized and determine if these data fields can be removed.<br>Status: Not Started                                                                                                                                                                   | 2022                           | Joint WGQ EDM Subcommittee and RMQ IR/TEIS |
| <b>2. Update Standards Matrix Tool for Ease of Use<sup>xi</sup></b>                                                                                                                                                                                                                                                                                                             |                                |                                            |
| Update the reference tool developed for Version 3.1 to reflect modifications applicable to Version 3.2<br>Status: Complete                                                                                                                                                                                                                                                      | 2022                           | WGQ IR/Technical Subcommittee              |
| <b>3. Update Prior Standards for digital representation (Blockchain) of natural gas trade events</b>                                                                                                                                                                                                                                                                            |                                |                                            |
| After development testing of prior Standards for 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), update prior standards based on results of testing.<br>Status: Not Started                                                                        | 2022                           | Joint WGQ BPS/EDM/Contracts Subcommittee   |
| <b>4. Renewable Natural Gas Master Agreement</b>                                                                                                                                                                                                                                                                                                                                |                                |                                            |
| Develop modifications to the NAESB Base Contract or a new standardized contract if it is determined beneficial. RNG Addendum is being developed for both Regulatory and Voluntary Programs.<br>Status: Underway                                                                                                                                                                 | 2022                           | WGQ Contracts Subcommittee                 |
| <b>5. Gas-Electric Coordination</b>                                                                                                                                                                                                                                                                                                                                             |                                |                                            |
| a. Develop standards to support enhanced commercial communications between the natural gas and electric markets during impending extreme weather-related emergency operating conditions ( <a href="#">R21006</a> )                                                                                                                                                              |                                |                                            |
| i. Define a standard for the declaration of an impending extreme weather-related emergency operating condition by balancing authorities and natural gas pipelines consistent with other industry designations which would include the development and definition of what might constitute an impending extreme weather-related emergency operating condition<br>Status: Started | 2 <sup>nd</sup> Q, 2022        | Joint RMQ/WEQ/WGQ BPS                      |
| ii. Create standard designations of critical natural gas infrastructure facilities that are essential to the operations of critical electric infrastructure facilities during impending extreme weather-related emergency operating conditions consistent with other industry designations<br>Status: Not Started                                                               | 2022                           | WGQ BPS                                    |
| iii. Define standards and communication protocols that support information sharing between critical parties during impending extreme weather-related emergency operating conditions<br>Status: Not Started                                                                                                                                                                      | 2022                           | Joint RMQ/WEQ/WGQ BPS                      |

**NORTH AMERICAN ENERGY STANDARDS BOARD  
 2022 ANNUAL PLAN for the WHOLESale GAS QUADRANT  
 Adopted by the Board of Directors on September 1, 2022**

| <b>Item Description</b>                                                                                                                                      | <b>Completion<sup>ix</sup></b> | <b>Assignment<sup>x</sup></b>     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------|
| <b>6. Sustainably Produced Natural Gas Master Agreement</b>                                                                                                  |                                |                                   |
| Develop business practice standards, as needed, to support purchase and sale transactions related to sustainably produced natural gas<br>Status: Not Started | 2022                           | WGQ Contracts Subcommittee        |
| <b>Program of Standards Maintenance &amp; Fully Staffed Standards Work</b>                                                                                   |                                |                                   |
| Business Practice Requests                                                                                                                                   | Ongoing                        | Assigned by the EC <sup>xii</sup> |
| 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 <sup>3</sup>   |
| Information Requirements and Technical Mapping of Business Practices                                                                                         | Ongoing                        | Assigned by the EC <sup>3</sup>   |
| Interpretations for Clarifying Language Ambiguities                                                                                                          | Ongoing                        | Assigned by the EC <sup>4</sup>   |
| Maintenance of Code Values and Other Technical Matters                                                                                                       | Ongoing                        | Assigned by the EC <sup>3</sup>   |
| Maintenance of eTariff Standards                                                                                                                             | As Requested                   | Assigned by the EC <sup>4</sup>   |
| <b>Provisional Activities</b>                                                                                                                                |                                |                                   |
| 1. Develop business practice standards, as needed, to support purchase and sale transactions related to hydrogen                                             |                                |                                   |



**NAESB 2022 WGQ EC and Subcommittee Leadership:**

- Executive Committee: Jim Buccigross, Chair, Rachel Hogge, Vice-Chair
- Business Practices Subcommittee: Willis McCluskey, Ben Schoene
- 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, Christopher Burden
- WGQ/WEQ FERC Forms Subcommittee: Leigh Spangler, Dick Brooks

**End Notes, WGQ 2022 Annual Plan:**

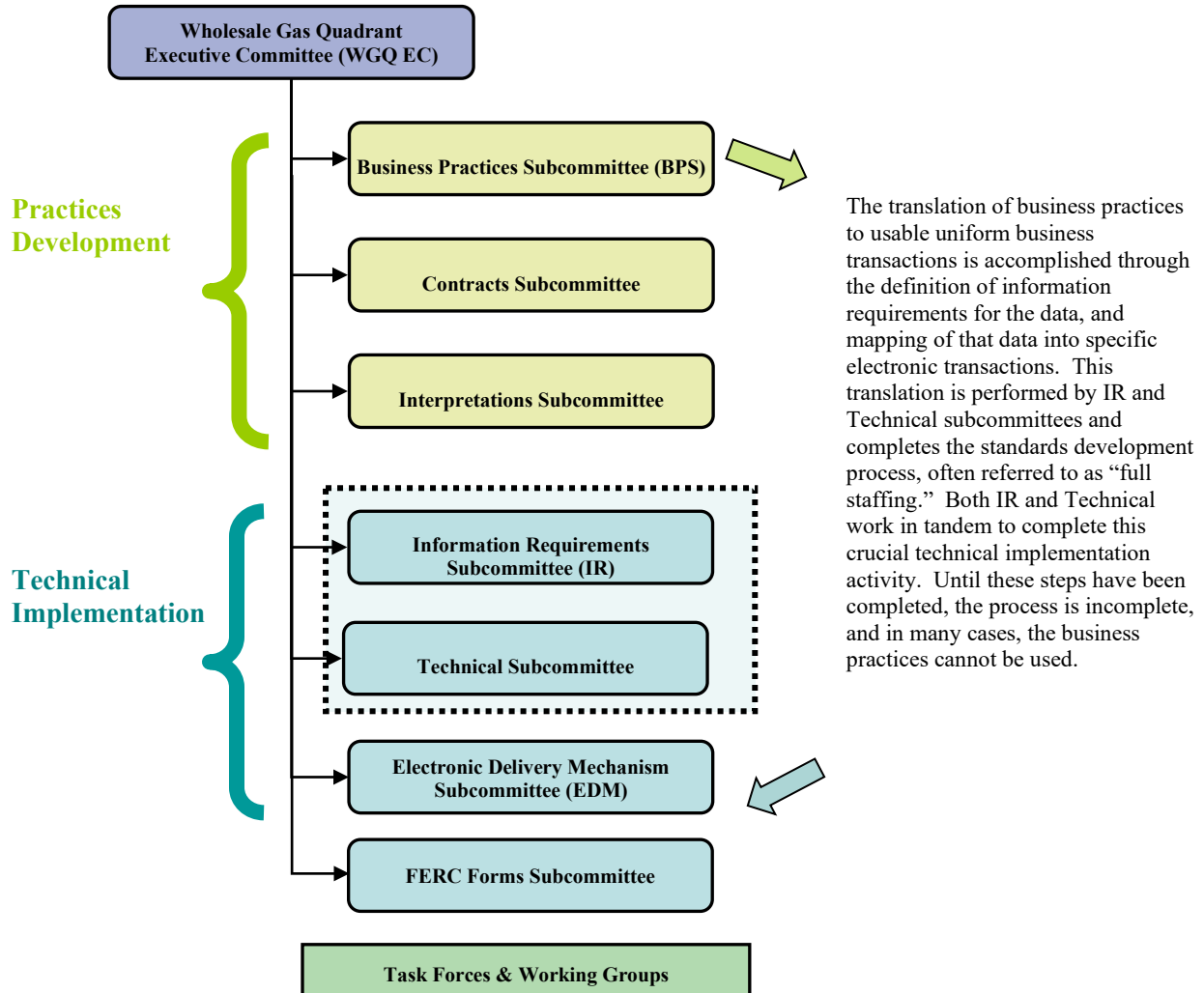
- <sup>ix</sup> Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.
- <sup>x</sup> The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.
- <sup>xi</sup> As implementation of business issues are presented to the Information Requirements Subcommittee and Technical Subcommittee, those issues will be given precedence over 2022 WGQ Annual Plan Item No. 2.
- <sup>xii</sup> The EC assigns maintenance of existing standards on a request-by-request basis.

**NORTH AMERICAN ENERGY STANDARDS BOARD  
2023 ANNUAL PLAN for the WHOLESALE GAS QUADRANT  
Adopted by the Board of Directors on September 7, 2023**

| <b>Item Description</b>                                                                                                                                                                                                                                                                                  | <b>Completion<sup>xiii</sup></b> | <b>Assignment<sup>xiv</sup></b>            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------|
| <b>1. Electronic Delivery Mechanisms</b>                                                                                                                                                                                                                                                                 |                                  |                                            |
| a. Review minimum technical characteristics in the Appendices of the WGQ QEDM Manual, and make changes as appropriate<br>Status: Complete                                                                                                                                                                | 1 <sup>st</sup> Q, 2023          | WGQ EDM Subcommittee                       |
| b. Review the data used in the NAESB WGQ Internet Electronic Transport specification for data fields that may no longer be utilized and determine if these data fields can be removed<br>Status: Complete                                                                                                | 1 <sup>st</sup> Q, 2023          | Joint WGQ EDM Subcommittee and RMQ IR/TEIS |
| c. Review cybersecurity standards to determine if baseline Multi-Factor Authentication (MFA) should be integrated into standard requirements and develop supportive standards as needed<br>Status: Complete                                                                                              | 1 <sup>st</sup> Q, 2023          | WGQ EDM Subcommittee                       |
| <b>2. Update Standards Matrix Tool for Ease of Use<sup>xv</sup></b>                                                                                                                                                                                                                                      |                                  |                                            |
| Update the reference tool developed for Version 3.2 to reflect modifications applicable to Version 3.3<br>Status: Not Started                                                                                                                                                                            | 2023                             | WGQ IR/Technical Subcommittee              |
| <b>3. Update Prior Standards for digital representation (Blockchain) of natural gas trade events</b>                                                                                                                                                                                                     |                                  |                                            |
| After development testing of prior Standards for 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), update prior standards based on results of testing.<br>Status: Not Started | 4 <sup>th</sup> Q, 2023          | Joint WGQ BPS/EDM/Contracts Subcommittee   |
| <b>4. Distributed Ledger Technology for Renewable Natural Gas (RNG) Addendum</b>                                                                                                                                                                                                                         |                                  |                                            |
| Develop technical implementation business practice standards to support automation of the new RNG Addendum and necessary modifications of the Base Contract for Sale and Purchase of Natural Gas<br>Status: Started                                                                                      | 4 <sup>th</sup> Q, 2023          | Joint WGQ BPS/EDM/Contracts Subcommittee   |
| <b>5. Distributed Ledger Technology for Certified Gas Addendum</b>                                                                                                                                                                                                                                       |                                  |                                            |
| Develop technical implementation business practice standards to support automation of the new Certified Gas Addendum and necessary modifications of the Base Contract for Sale and Purchase of Natural Gas<br>Status: Started                                                                            | 3 <sup>rd</sup> Q, 2023          | Joint WGQ BPS/EDM/Contracts Subcommittee   |
| <b>Program of Standards Maintenance &amp; Fully Staffed Standards Work</b>                                                                                                                                                                                                                               |                                  |                                            |
| Business Practice Requests                                                                                                                                                                                                                                                                               | Ongoing                          | Assigned by the EC <sup>xvi</sup>          |
| 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 <sup>3</sup>            |
| Information Requirements and Technical Mapping of Business Practices                                                                                                                                                                                                                                     | Ongoing                          | Assigned by the EC <sup>3</sup>            |
| Interpretations for Clarifying Language Ambiguities                                                                                                                                                                                                                                                      | Ongoing                          | Assigned by the EC <sup>4</sup>            |
| Maintenance of Code Values and Other Technical Matters                                                                                                                                                                                                                                                   | Ongoing                          | Assigned by the EC <sup>3</sup>            |
| Maintenance of eTariff Standards                                                                                                                                                                                                                                                                         | As Requested                     | Assigned by the EC <sup>4</sup>            |

**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**2023 ANNUAL PLAN for the WHOLESALE GAS QUADRANT**  
**Adopted by the Board of Directors on September 7, 2023**

| <b>Item Description</b>                                                                                                                                                               | <b>Completion<sup>xiii</sup></b> | <b>Assignment<sup>xiv</sup></b> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------|
| <b>Provisional Activities</b>                                                                                                                                                         |                                  |                                 |
| 1. Upon a request or as directed by NAESB Board, develop business practice standards, as needed, to support purchase and sale transactions related to Hydrogen and/or Carbon Dioxide. |                                  |                                 |



**End Notes, WGQ 2023 Annual Plan:**

<sup>xiii</sup> 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.

<sup>xiv</sup> The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

<sup>xv</sup> As implementation of business issues are presented to the Information Requirements Subcommittee and Technical Subcommittee, those issues will be given precedence over 2023 WGQ Annual Plan Item No. 2.

<sup>xvi</sup> The EC assigns maintenance of existing standards on a request-by-request basis.



Appendix F – Minor Corrections Applied

| EC Meeting Date | EC Meeting Minutes                                                                                                                                                                                                                                                                                                                                         | Minor Corrections                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10-29-20        | WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br><a href="https://naesb.org/pdf4/wgq_ec102920fm.docx">https://naesb.org/pdf4/wgq_ec102920fm.docx</a>                                                                                                                                                                              | MC20011 – Minor correction to be included in NAESB WGQ Version 3.3 proposes to add 2 new code values for the data element Charge Type in NAESB WGQ Standard No. 3.4.1 (Transportation/Sales Invoice).<br>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc20011_rec_102920.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc20011_rec_102920.docx</a><br><br>MC20013 - Minor correction to be included in NAESB WGQ Version 3.3 proposes to add a code value for the data element “Waive Bidder Credit Indicator” in Versions 3.1 and 3.2 for NAESB WGQ Standard No. 5.4.24 (Offer).<br>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc20013_rec_102920.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc20013_rec_102920.docx</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 03-31-21        | WGQ EC Notational Ballot:<br><a href="https://naesb.org/pdf4/wgq_ec033121_mc_action_ballot.docx">https://naesb.org/pdf4/wgq_ec033121_mc_action_ballot.docx</a><br><br>WGQ EC Notational Ballot Results:<br><a href="https://naesb.org/pdf4/wgq_ec033121_mc_action_ballot_results.doc">https://naesb.org/pdf4/wgq_ec033121_mc_action_ballot_results.doc</a> | MC21002 – Minor correction to NAESB WGQ Business Practice Standards Version 3.2 for implementation in Version 3.3. The minor correction to NAESB WGQ Standard Nos. 6.4.1 (Contract Dataset), 6.4.2 (Transaction Confirmation), and 6.4.3 (Sale and Purchase Invoice) proposes minor corrections to the Data Dictionary identified by TVA and Big Data Energy during DLT Testing, Version 3.2<br>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc21002_rec_040721.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc21002_rec_040721.docx</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 10-07-21        | WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br><a href="https://naesb.org/pdf4/wgq_ec100721fm.docx">https://naesb.org/pdf4/wgq_ec100721fm.docx</a>                                                                                                                                                                              | MC21004 – Minor correction to be included in NAESB WGQ Version 3.3 proposes to add 2 code values to NAESB WGQ Standard No. 0.4.1 (Storage Information) for the data element Transaction Type. The addition of these code values to both EBB and ANSI EDI X12 will provide the ability to include additional storage related transactions when reporting activity<br>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc21004_rec_100721.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc21004_rec_100721.docx</a><br><br>MC21005 – Minor correction to be included in NAESB WGQ Version 3.3 proposes to add 2 code values to the NAESB WGQ Standard No. 0.4.4 (Location Data Download) for the data element Location Type Indicator. TSP’s and other industry participants need the code values to distinguish locations at which Electric Generation and Renewable Gas exist versus having these locations grouped with existing Location Type Indicator code values such as “Other”<br>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc21005_rec_100721.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc21005_rec_100721.docx</a><br><br>MC21006 – Minor correction to NAESB WGQ Standard No. 0.4.4 (Location Data Download) Data Dictionary proposes to correct a typo in the Condition description for the data element Upstream/Downstream Identifier Proprietary Code<br>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc21006_rec_100721.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc21006_rec_100721.docx</a> |
| 03-31-22        | WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br><a href="https://naesb.org/pdf4/wgq_ec033122fm.docx">https://naesb.org/pdf4/wgq_ec033122fm.docx</a>                                                                                                                                                                              | MC21008 – Minor correction to NAESB WGQ Version 3.3. For the following data sets, add Code Value for data element Rate Identification Code to describe the rate charged for a lateral: Transactional Reporting – Capacity Release - NAESB WGQ Standard No. 5.4.20, Transactional Reporting – Firm Transportation - NAESB WGQ Standard No. 5.4.21, Offer - NAESB WGQ Standard No. 5.4.24, Bid - NAESB WGQ Standard No. 5.4.25 and Award Download - NAESB WGQ Standard No. 5.4.26<br>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc21008_rec_033122.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc21008_rec_033122.docx</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

Appendix F – Minor Corrections Applied

| EC Meeting Date | EC Meeting Minutes                                                                                                                                                                    | Minor Corrections                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 |                                                                                                                                                                                       | <p>MC21010 – Minor correction to NAESB WGQ Version 3.3 to Standard No 5.4.24 (Offer) - Request to add two new Discount Indicator Code Values to the NAESB WGQ 5.4.24 Capacity Release Offer Dataset<br/>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc21010_rec_033122.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc21010_rec_033122.docx</a></p> <p>MC22002 – Minor correction to NAESB WGQ Version 3.3 to add a new code value for the data element Meter Type in the Measured Volume Audit Statement<br/>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc22002_rec.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc22002_rec.docx</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 10-20-22        | <p>WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br/><a href="https://naesb.org/pdf4/wgq_ec102022fm.docx">https://naesb.org/pdf4/wgq_ec102022fm.docx</a></p> | <p>MC22005 – Minor correction to Version 3.2, NAESB WGQ Standard No. 3.4.1 – Request to correct the EDI X12 Mapping Guidelines for the Transportation / Sales Invoice<br/>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc22005_rec_102022.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc22005_rec_102022.docx</a></p> <p>MC22009 – Minor correction to Version 3.2 of the WGQ Implementation Guides for NAESB WGQ Standards No. 5.4.20 Transactional Reporting – Capacity Release to correct a typo in the Condition for the ‘Maximum Tariff Rate’ data element<br/>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc22009_rec_102022.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc22009_rec_102022.docx</a></p> <p>MC22010 – Minor correction to NAESB WGQ Version 3.3; Standard Number 0.4.4 Location Data Download, add three Code Values for the data element Location Type Indicator<br/>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc22010_rec_102022.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc22010_rec_102022.docx</a></p> <p>MC22011 – Minor correction to NAESB WGQ Version 3.3, Shipper Imbalance (2.4.4), Allocations (2.4.3) and Transportation/Sales Invoice (3.4.1) to add two Code Value Definition for Transaction Type to reflect Swing on Storage Injection and Swing on Storage Withdrawal<br/>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc22011_rec_102022.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc22011_rec_102022.docx</a></p> |
| 03-30-23        | <p>WGQ EC Meeting Minutes:<br/><a href="https://naesb.org/pdf4/wgq_ec033023fm.docx">https://naesb.org/pdf4/wgq_ec033023fm.docx</a></p>                                                | <p>MC23001 – Minor correction to NAESB WGQ Version 3.2 Standard No. 6.3.1 – Request to correct the existing 2.17 Definition of “ECS” under the NAESB WGQ Base Contract<br/>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc23001_rec_033123.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc23001_rec_033123.docx</a></p> <p>MC22007 – Minor correction to NAESB WGQ Version 3.3 to move all WGQ cybersecurity-related business practices into a new suite of WGQ Business Practice Standards<br/>Recommendation: <a href="https://naesb.org/pdf4/wgq_mc22007_rec_033123.docx">https://naesb.org/pdf4/wgq_mc22007_rec_033123.docx</a></p> <p>Attachment 1: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc22007_rec_attach1_033123.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc22007_rec_attach1_033123.docx</a></p> <p>Attachment 2: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc22007_rec_attach2_033123.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc22007_rec_attach2_033123.docx</a></p> <p>Attachment 3: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc22007_rec_attach3_033123.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc22007_rec_attach3_033123.docx</a></p>                                                                                                                                                                                                                                                                                                                                        |
| 08-10-23        | <p>WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br/><a href="https://naesb.org/pdf4/wgq_ec081023dm.docx">https://naesb.org/pdf4/wgq_ec081023dm.docx</a></p> | <p>MC23009 – Minor correction to NAESB WGQ Version 3.3, to add a new code value for the data element Meter Type in the NAESB WGQ Standard 2.4.6 – Measured Volume Audit Statement</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

Appendix F – Minor Corrections Applied

| EC Meeting Date | EC Meeting Minutes | Minor Corrections                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 |                    | <p>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc23009_rec_081023.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc23009_rec_081023.docx</a></p> <p>MC23010 – Minor correction to NAESB WGQ Version 3.3, to add a new code value for the data element Charge Indicator in the NAESB WGQ Standard 3.4.1 – Transportation/Sales Invoice</p> <p>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc23010_rec_081023.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc23010_rec_081023.docx</a></p> <p>MC23011 – Minor correction to NAESB WGQ Version 3.3, to add new code values for the data element Service Requester Level Charge/Allowance Amount Descriptor in the NAESB WGQ Standard 3.4.1 – Transportation/Sales Invoice and WGQ Standard 3.4.4 Service Requester Level Charge/Allowance Invoice</p> <p>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc23011_rec_081023.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc23011_rec_081023.docx</a></p> <p>MC23012 – Minor Correction to NAESB WGQ Version 3.3, to add a new code value for the data element Notice Type in NAESB WGQ Standard No. 5.4.16 – System-Wide Notices</p> <p>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc23012_rec_081023.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc23012_rec_081023.docx</a></p> <p>MC23013 – Minor Correction to NAESB WGQ Version 3.2, to update a reference in NAESB WGQ Standard No. 10.3.16 in the WGQ Internet Electronic Transport Related Standards (Internet ET) manual.</p> <p>Recommendation: <a href="https://naesb.org/member_login_check.asp?doc=wgq_mc23013_rec_081023.docx">https://naesb.org/member_login_check.asp?doc=wgq_mc23013_rec_081023.docx</a></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) above<sup>1</sup>, 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).

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<sup>1</sup> 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 – No Action Recommendations |                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EC Meeting Date                        | EC Meeting Minutes                                                                                                                                                                                                                                                                                                      | No Action Recommendations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 12-01-20                               | <p>WGQ EC Notational Ballot:<br/><a href="https://naesb.org/pdf4/wgq_ec120120_ballot.doc">https://naesb.org/pdf4/wgq_ec120120_ballot.doc</a></p> <p>WGQ EC Notational Ballot Results:<br/><a href="https://naesb.org/pdf4/wgq_ec120120ballot_results.doc">https://naesb.org/pdf4/wgq_ec120120ballot_results.doc</a></p> | <p>R19014 - Request to add a new Nomination and Scheduling Related Standard for firm shipper's nomination of its MDQ during capacity reductions prior to nomination cycles as approved by the WGQ Executive Committee by Notational Ballot on December 14, 2020 (<b>No further action needed</b>)</p> <p>Recommendation: <a href="https://www.naesb.org/pdf4/wgq_r19014_rec_121420.docx">https://www.naesb.org/pdf4/wgq_r19014_rec_121420.docx</a></p> <p>Comments Submitted by Sabine Pass Liquefaction and Corpus Christi Liquefaction:<br/><a href="https://naesb.org/pdf4/wgq_103020_spl_ccl.docx">https://naesb.org/pdf4/wgq_103020_spl_ccl.docx</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 03-31-22                               | <p>WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br/><a href="https://naesb.org/pdf4/wgq_ec033122fm.docx">https://naesb.org/pdf4/wgq_ec033122fm.docx</a></p>                                                                                                                                   | <p>2021 WGQ Annual Plan Item 3 and 2021 WEQ Annual Plan Item 5 – Develop business practices as needed to support electronic filing protocols for submittal of FERC Forms (<b>No further action needed</b>)</p> <p>Recommendation: <a href="https://www.naesb.org/pdf4/weq_2021_api_5_wgq_2021_api_3_rec_102121.docx">https://www.naesb.org/pdf4/weq_2021_api_5_wgq_2021_api_3_rec_102121.docx</a></p> <p>No Comments Received.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 10-20-22                               | <p>WGQ EC Meeting, Conference Call with Web Conferencing Meeting Minutes:<br/><a href="https://naesb.org/pdf4/wgq_ec102022fm.docx">https://naesb.org/pdf4/wgq_ec102022fm.docx</a></p>                                                                                                                                   | <p>2022 WGQ Annual Plan Items 5.a.i and 5.a.iii – Define a standard for the declaration of an impending extreme weather-related emergency operating condition by balancing authorities and natural gas pipelines consistent with other industry designations which would include the development and definition of what might constitute an impending extreme weather-related emergency operating condition and Define standards and communication protocols that support information sharing between critical parties during impending extreme weather-related emergency operating conditions (<b>No further action needed</b>)</p> <p>Recommendation:<br/><a href="https://www.naesb.org/pdf4/weq_2022_api_7ai_7aiii_wgq_2022_api_5ai_5aiii_rm_q_2022_api_3ai_3aii_r21006_rec_042622.docx">https://www.naesb.org/pdf4/weq_2022_api_7ai_7aiii_wgq_2022_api_5ai_5aiii_rm_q_2022_api_3ai_3aii_r21006_rec_042622.docx</a></p> <p>Comments Submitted by the ISO/RTO Council’s Standards Review Committee and Electric Gas Coordination Task Force:<br/><a href="https://naesb.org/pdf4/weq_wgq_rm_q042622_irc_src_egctf.pdf">https://naesb.org/pdf4/weq_wgq_rm_q042622_irc_src_egctf.pdf</a></p> <p>Late Comments Submitted by the WEQ Standards Review Subcommittee:<br/><a href="https://naesb.org/pdf4/weq_wgq_rm_q_042622_weq_srs_late.pdf">https://naesb.org/pdf4/weq_wgq_rm_q_042622_weq_srs_late.pdf</a></p> <p>2022 WGQ Annual Plan Item 5.a.ii – Create standard designations of critical natural gas infrastructure facilities that are essential to the operations of critical electric infrastructure facilities during impending extreme weather-related emergency operating conditions consistent with other industry designations (<b>No further action needed</b>)</p> <p>Recommendation: <a href="https://www.naesb.org/pdf4/wgq_2022_api_5aii_R21006_rec_070622.docx">https://www.naesb.org/pdf4/wgq_2022_api_5aii_R21006_rec_070622.docx</a></p> <p>No Comments Received.</p> |

Appendix H Entities with Access to NAESB Standards

| Appendix H - Entities with Access to NAESB Standards – NAESB Members with Access <sup>1</sup> |                      |                                                            |
|-----------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------|
| Quadrant                                                                                      | Segment <sup>2</sup> | Organization                                               |
| WEQ                                                                                           | d                    | Alabama Municipal Electric Authority                       |
| WEQ                                                                                           | m                    | Allete (dba Minnesota Power)                               |
| WGQ                                                                                           | pl                   | Alliance Pipeline, LP                                      |
| 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                                                                                           | e                    | Argonne National Laboratory                                |
| WEQ                                                                                           | t                    | Arizona Public Service Company                             |
| WGQ                                                                                           | pr                   | Ascent Resources - Utica LLC                               |
| WEQ                                                                                           | t                    | Associated Electric Cooperative, Inc.                      |
| WGQ                                                                                           | pl                   | Atmos Energy                                               |
| WEQ                                                                                           | t                    | AVANGRID                                                   |
| WGQ                                                                                           | l                    | Avangrid Networks (Gas)                                    |
| 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                                                                                           | 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                               |

<sup>1</sup> Please note that access by an entity does not extend to the entity’s affiliates, partners, divisions or other corporate structures.

<sup>2</sup> 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. **WGQ**: s – services, pl – pipeline, l – LDC, pr – producer, e – end user.

Appendix H Entities with Access to NAESB Standards

| <b>Appendix H - Entities with Access to NAESB Standards – NAESB Members with Access<sup>1</sup></b> |                            |                                                                                    |
|-----------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------|
| <b>Quadrant</b>                                                                                     | <b>Segment<sup>2</sup></b> | <b>Organization</b>                                                                |
| WEQ                                                                                                 | e                          | California Energy Commission                                                       |
| WGQ                                                                                                 | e                          | California Energy Commission                                                       |
| WEQ                                                                                                 | i                          | California ISO (CAISO)                                                             |
| 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                                           |
| 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                         | Chesapeake Energy Marketing, LLC                                                   |
| WGQ                                                                                                 | pr                         | Chevron Natural Gas                                                                |
| WEQ                                                                                                 | g                          | Chugach Electric Association, Inc.                                                 |
| WGQ                                                                                                 | s                          | Citigroup Energy, Inc.                                                             |
| WGQ                                                                                                 | l                          | Citizens Energy Group                                                              |
| WGQ                                                                                                 | s                          | Coalition for Renewable Natural Gas                                                |
| WGQ                                                                                                 | s                          | Concord Energy LLC                                                                 |
| RMQ                                                                                                 | e                          | Connectivity Standards Alliance                                                    |
| WGQ                                                                                                 | pr                         | ConocoPhillips Company                                                             |
| WGQ                                                                                                 | l                          | Consolidated Edison Company of NY                                                  |
| WEQ                                                                                                 | m                          | Constellation Energy Generation ( <i>formerly Exelon Generation Company, LLC</i> ) |
| WGQ                                                                                                 | s                          | Constellation Energy Generation ( <i>formerly Exelon Generation Company, LLC</i> ) |
| 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                                     |
| WGQ                                                                                                 | pr                         | Devon Energy Corporation                                                           |
| RMQ                                                                                                 | u                          | Dominion Energy                                                                    |
| WEQ                                                                                                 | t                          | Dominion Energy South Carolina, Inc.                                               |
| WEQ                                                                                                 | g                          | Dominion Energy Services Inc.                                                      |
| WGQ                                                                                                 | pl                         | Double E Pipeline, LLC                                                             |

Appendix H Entities with Access to NAESB Standards

| <b>Appendix H - Entities with Access to NAESB Standards – NAESB Members with Access<sup>1</sup></b> |                            |                                                     |
|-----------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------|
| <b>Quadrant</b>                                                                                     | <b>Segment<sup>2</sup></b> | <b>Organization</b>                                 |
| WGQ                                                                                                 | s                          | DTE Energy Trading, Inc.                            |
| WGQ                                                                                                 | l                          | DTE Gas Company                                     |
| WEQ                                                                                                 | d                          | Duke Energy Corporation                             |
| WEQ                                                                                                 | t                          | Duke Energy Corporation                             |
| RMQ                                                                                                 | u                          | Duke Energy Corporation                             |
| WGQ                                                                                                 | pl                         | Eastern Gas Transmission & Storage, Inc.            |
| WGQ                                                                                                 | pl                         | Eastern Shore Natural Gas Company                   |
| WEQ                                                                                                 | m                          | Edison Electric Institute                           |
| WEQ                                                                                                 | t                          | El Paso Electric                                    |
| RMQ                                                                                                 | e                          | Electric Reliability Council of Texas, Inc. (ERCOT) |
| WGQ                                                                                                 | s                          | Element Markets Renewable Energy, LLC               |
| WGQ                                                                                                 | s                          | Emera Energy Services, Inc.                         |
| WGQ                                                                                                 | s                          | Emerson Automation Solutions                        |
| RMQ                                                                                                 | s                          | Emil Pena Interests, Inc. (EPII)                    |
| WGQ                                                                                                 | pl                         | Enable Mississippi River Transmission, LLC          |
| WGQ                                                                                                 | pl                         | Enbridge (U.S.) Inc.                                |
| WGQ                                                                                                 | s                          | Energex LLC (formerly NatGasHub.com)                |
| WGQ                                                                                                 | pl                         | Energy Transfer Equity, L.P.                        |
| WGQ                                                                                                 | e                          | Entergy Services, Inc.                              |
| WEQ                                                                                                 | t                          | Entergy Services, Inc.                              |
| WGQ                                                                                                 | pr                         | EOG Resources, Inc.                                 |
| WGQ                                                                                                 | pl                         | Equitrans, LP                                       |
| WGQ                                                                                                 | pr                         | EQT Energy LLC                                      |
| WGQ                                                                                                 | s                          | Essentia Advisory Partners                          |
| WGQ                                                                                                 | l                          | Eversource Energy                                   |
| WGQ                                                                                                 | pr                         | ExxonMobil Corporation                              |
| WGQ                                                                                                 | s                          | FIS                                                 |
| WEQ                                                                                                 | ts                         | FIS                                                 |
| WEQ                                                                                                 | d                          | Florida Municipal Power Agency                      |
| WEQ                                                                                                 | g                          | Florida Municipal Power Agency                      |
| WGQ                                                                                                 | e                          | Florida Power & Light Company                       |
| WEQ                                                                                                 | m                          | Florida Power & Light Company                       |
| WEQ                                                                                                 | t                          | Florida Power & Light Company                       |
| WGQ                                                                                                 | pl                         | Florida Southeast Connection LLC                    |



Appendix H Entities with Access to NAESB Standards

| <b>Appendix H - Entities with Access to NAESB Standards – NAESB Members with Access<sup>1</sup></b> |                            |                                       |
|-----------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------|
| <b>Quadrant</b>                                                                                     | <b>Segment<sup>2</sup></b> | <b>Organization</b>                   |
| 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                         | Great Basin Gas Transmission Company  |
| RMQ                                                                                                 | s                          | Green Button Alliance                 |
| WGQ                                                                                                 | s                          | Group 8760 LLC                        |
| WEQ                                                                                                 | ts                         | Group 8760 LLC                        |
| WEQ                                                                                                 | t                          | GS Transmission, LLC                  |
| WGQ                                                                                                 | s                          | Gunvor USA LLC                        |
| WEQ                                                                                                 | m                          | Guzman Energy LLC                     |
| WEQ                                                                                                 | ts                         | Hartigen Solutions LLC                |
| WGQ                                                                                                 | s                          | Hartree Partners, LP                  |
| WEQ                                                                                                 | g                          | Hoosier Energy                        |
| WEQ                                                                                                 | t                          | Hydro - Quebec Transenergie           |
| WGQ                                                                                                 | s                          | IBM                                   |
| WEQ                                                                                                 | t                          | Idaho Power Company                   |
| WEQ                                                                                                 | e                          | Idaho Public Utilities Commission     |
| WGQ                                                                                                 | e                          | Idaho Public Utilities Commission     |
| WEQ                                                                                                 | e                          | Illinois Commerce Commission          |
| RMQ                                                                                                 | e                          | Illinois Commerce Commission          |
| WGQ                                                                                                 | e                          | Imperial Irrigation District          |
| WEQ                                                                                                 | g                          | Indiana Municipal Power Agency        |
| RMQ                                                                                                 | e                          | Indiana Utility Regulatory Commission |
| WEQ                                                                                                 | e                          | Indiana Utility Regulatory Commission |
| WGQ                                                                                                 | pl                         | Iroquois Gas Transmission System      |
| WEQ                                                                                                 | i                          | ISO New England, Inc.                 |
| WEQ                                                                                                 | t                          | JEA                                   |
| RMQ                                                                                                 | e                          | Kansas Corporation Commission         |
| WEQ                                                                                                 | t                          | KCP&L and Westar, Evergy Companies    |
| WEQ                                                                                                 | g                          | KCP&L and Westar, Evergy Companies    |
| WGQ                                                                                                 | pl                         | Kern River Gas Transmission Company   |
| WGQ                                                                                                 | pl                         | Kinder Morgan Inc                     |
| WGQ                                                                                                 | pl                         | Kinetica Partners, LLC                |

Appendix H Entities with Access to NAESB Standards

| <b>Appendix H - Entities with Access to NAESB Standards – NAESB Members with Access<sup>1</sup></b> |                            |                                                          |
|-----------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------|
| <b>Quadrant</b>                                                                                     | <b>Segment<sup>2</sup></b> | <b>Organization</b>                                      |
| WGQ                                                                                                 | s                          | Latitude Technologies, an ESG Company                    |
| RMQ                                                                                                 | g                          | Latitude Technologies, an ESG Company                    |
| 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                           |
| WGQ                                                                                                 | s                          | Mitsui & Co. Energy Marketing and Services (USA), Inc.   |
| WEQ                                                                                                 | ts                         | Monitoring Analytics LLC                                 |
| WEQ                                                                                                 | t                          | Morgan, Lewis & Bockius LLP                              |
| WEQ                                                                                                 | m                          | Nalcor Energy Marketing Corporation                      |
| WEQ                                                                                                 | e                          | National Association of Regulatory Utility Commissioners |
| RMQ                                                                                                 | 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 (NIST)    |
| WEQ                                                                                                 | d                          | National Rural Electric Cooperative Association          |
| RMQ                                                                                                 | g                          | Naturgy Servicios S.A. de C.V.                           |
| WEQ                                                                                                 | t                          | Nebraska Public Power District                           |
| RMQ                                                                                                 | e                          | Nebraska Public Service Commission                       |
| RMQ                                                                                                 | e                          | New Jersey Board of Public Utilities                     |
| WEQ                                                                                                 | g                          | New Jersey Board of Public Utilities                     |
| WGQ                                                                                                 | l                          | New Jersey Natural Gas                                   |

Appendix H Entities with Access to NAESB Standards

| <b>Appendix H - Entities with Access to NAESB Standards – NAESB Members with Access<sup>1</sup></b> |                            |                                                                |
|-----------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------|
| <b>Quadrant</b>                                                                                     | <b>Segment<sup>2</sup></b> | <b>Organization</b>                                            |
| WEQ                                                                                                 | i                          | New York Independent System Operator, Inc. (NYISO)             |
| WEQ                                                                                                 | d                          | New York State Reliability Council                             |
| WGQ                                                                                                 | s                          | nGenue Software LLC                                            |
| WGQ                                                                                                 | l                          | NiSource Inc.                                                  |
| WEQ                                                                                                 | d                          | North American Electric Reliability Corporation (NERC)         |
| WEQ                                                                                                 | e                          | North American Electric Reliability Corporation (NERC)         |
| WGQ                                                                                                 | pl                         | Northern Natural Gas                                           |
| WGQ                                                                                                 | l                          | Northwest Natural Gas                                          |
| WEQ                                                                                                 | t                          | NorthWestern Corporation                                       |
| WEQ                                                                                                 | g                          | NRG Energy, Inc.                                               |
| WEQ                                                                                                 | m                          | NV Energy                                                      |
| WEQ                                                                                                 | t                          | NV Energy, Inc.                                                |
| WGQ                                                                                                 | pr                         | Occidental Energy Marketing, Inc.                              |
| WGQ                                                                                                 | e                          | Omaha Public Power District                                    |
| RMQ                                                                                                 | u                          | Oncor Electric Delivery Company LLC                            |
| WGQ                                                                                                 | l                          | ONE Gas, Inc.                                                  |
| WGQ                                                                                                 | pl                         | ONEOK, Inc.                                                    |
| RMQ                                                                                                 | e                          | Ontario Ministry of Energy                                     |
| WEQ                                                                                                 | t                          | Open Access Technology International, Inc.                     |
| WEQ                                                                                                 | e                          | Open Access Technology International, Inc.                     |
| WGQ                                                                                                 | s                          | Ovintiv Marketing Inc. (formerly Encana Marketing (USA), Inc.) |
| WGQ                                                                                                 | l                          | Pacific Gas and Electric Company                               |
| WEQ                                                                                                 | m                          | PacifiCorp                                                     |
| WEQ                                                                                                 | t                          | PacifiCorp                                                     |
| WEQ                                                                                                 | ts                         | PCI Energy Solutions ( <i>formely Power Costs</i> )            |
| RMQ                                                                                                 | e                          | Pennsylvania Public Utility Commission                         |
| WGQ                                                                                                 | l                          | Peoples Gas Systems                                            |
| RMQ                                                                                                 | g                          | Philadelphia Gas Works                                         |
| WGQ                                                                                                 | l                          | Piedmont Natural Gas                                           |
| WEQ                                                                                                 | i                          | PJM Interconnection, LLC                                       |
| WEQ                                                                                                 | t                          | Platte River Power Authority                                   |
| WEQ                                                                                                 | t                          | Portland General Electric                                      |
| WGQ                                                                                                 | e                          | Power Authority of the State of New York (dba NYPA)            |
| WEQ                                                                                                 | m                          | Powerex Corp.                                                  |

Appendix H Entities with Access to NAESB Standards

| <b>Appendix H - Entities with Access to NAESB Standards – NAESB Members with Access<sup>1</sup></b> |                            |                                                                                        |
|-----------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------|
| <b>Quadrant</b>                                                                                     | <b>Segment<sup>2</sup></b> | <b>Organization</b>                                                                    |
| WGQ                                                                                                 | s                          | Project Canary                                                                         |
| 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 Software                                                                        |
| RMQ                                                                                                 | e                          | Regulatory Commission of Alaska, Dept of Commerce,<br>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                                                                                                 | m                          | Seattle City Light                                                                     |
| WEQ                                                                                                 | e                          | Seattle City Light                                                                     |
| WEQ                                                                                                 | t                          | Seminole Electric Cooperative, Inc                                                     |
| WEQ                                                                                                 | m                          | Seminole Electric Cooperative, Inc.                                                    |
| WGQ                                                                                                 | pl                         | Sempra Infrastructure                                                                  |
| WGQ                                                                                                 | s                          | Sequent Energy Management, LLC                                                         |
| WGQ                                                                                                 | s                          | Shell Energy North America (US), L.P.                                                  |
| WGQ                                                                                                 | s                          | Skipping Stone, LLC                                                                    |
| WEQ                                                                                                 | d                          | Snohomish County PUD No. 1                                                             |
| WEQ                                                                                                 | ts                         | SoftSmiths, Inc.                                                                       |
| WEQ                                                                                                 | g                          | Southern California Edison                                                             |
| WGQ                                                                                                 | l                          | Southern California Gas Company                                                        |
| WGQ                                                                                                 | l                          | Southern Company Gas                                                                   |
| RMQ                                                                                                 | u                          | Southern Company Services, Inc.                                                        |
| WGQ                                                                                                 | e                          | Southern Company Services, Inc.                                                        |
| WEQ                                                                                                 | t                          | Southern Company Services, Inc.                                                        |
| WGQ                                                                                                 | pl                         | Southern Star Central Gas Pipeline                                                     |
| WGQ                                                                                                 | l                          | Southwest Gas Corporation                                                              |

Appendix H Entities with Access to NAESB Standards

| <b>Appendix H - Entities with Access to NAESB Standards – NAESB Members with Access<sup>1</sup></b> |                            |                                                         |
|-----------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------|
| <b>Quadrant</b>                                                                                     | <b>Segment<sup>2</sup></b> | <b>Organization</b>                                     |
| WGQ                                                                                                 | e                          | Southwest Power Pool (SPP)                              |
| WEQ                                                                                                 | i                          | Southwest Power Pool (SPP)                              |
| 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                          | Trading Counsel Solutions                               |
| WGQ                                                                                                 | s                          | Trellis Energy Software, Inc.                           |
| WEQ                                                                                                 | t                          | Tri-State Generation and Transmission Association, Inc. |
| WEQ                                                                                                 | t                          | Tucson Electric Power Company                           |
| WGQ                                                                                                 | pl                         | UGI Central Gas Control, LLC                            |
| WGQ                                                                                                 | s                          | United Energy Trading LLC                               |
| WGQ                                                                                                 | l                          | Unitil Service Corporation                              |
| WGQ                                                                                                 | pl                         | Vector Pipeline L.P.                                    |
| WGQ                                                                                                 | pl                         | Venture Global LNG, Inc.                                |
| WEQ                                                                                                 | g                          | Vermont Public Power Supply Authority                   |
| WEQ                                                                                                 | e                          | Vermont Public Service Board                            |
| RMQ                                                                                                 | e                          | Vermont Public Service Board                            |
| WEQ                                                                                                 | t                          | Versant Power (formerly Emera Maine)                    |
| WGQ                                                                                                 | s                          | Vitol Inc.                                              |
| WEQ                                                                                                 | g                          | Wabash Valley Power Association                         |

Appendix H Entities with Access to NAESB Standards

| <b>Appendix H - Entities with Access to NAESB Standards – NAESB Members with Access<sup>1</sup></b> |                            |                                                 |
|-----------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------|
| <b>Quadrant</b>                                                                                     | <b>Segment<sup>2</sup></b> | <b>Organization</b>                             |
| WGQ                                                                                                 | pl                         | WBI Energy Transmission, Inc.                   |
| RMQ                                                                                                 | u                          | WEC Energy Group                                |
| RMQ                                                                                                 | g                          | WEC Energy Group                                |
| WEQ                                                                                                 | g                          | WEC Energy Group (We Energies)                  |
| WGQ                                                                                                 | l                          | WEC Energy Group**                              |
| WEQ                                                                                                 | t                          | Western Area Power Administration               |
| WEQ                                                                                                 | t                          | Western Electricity Coordinating Council (WECC) |
| WGQ                                                                                                 | pl                         | Williams                                        |
| WGQ                                                                                                 | s                          | World Fuel Services, Inc.                       |
| WEQ                                                                                                 | d                          | WPPI Energy                                     |
| WEQ                                                                                                 | m                          | Xcel Inc                                        |

Appendix I Entities without Recorded Access to the Most Recently Mandated NAESB WGQ Standards, Version 3.2

| <b>Appendix I – Jurisdictional Entities that NAESB does not have a record of valid access to the most recently mandated NAESB WGQ Standards, Version 3.2<sup>1</sup></b> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Organization</b>                                                                                                                                                      |
| Black Bear Transmission AlaTenn, LLC                                                                                                                                     |
| Black Bear Transmission Midla, LLC                                                                                                                                       |
| Black Bear Transmission Trans-Union Interstate Pipeline, L.P.                                                                                                            |
| Bluewater Gas Storage, LLC                                                                                                                                               |
| Cameron Interstate Pipeline, LLC                                                                                                                                         |
| Carlsbad Gateway                                                                                                                                                         |
| Centra Pipelines Minnesota, Inc.                                                                                                                                         |
| Chandeleur Pipe Line, LLC                                                                                                                                                |
| Cotton Valley Compression, L.L.C.                                                                                                                                        |
| DTM Birdsboro Pipeline, LLC                                                                                                                                              |
| Empire Pipeline, Inc.                                                                                                                                                    |
| Gulf Shore Energy Partners, LP                                                                                                                                           |
| Hampshire Gas Company                                                                                                                                                    |
| High Island Offshore System, L.L.C.                                                                                                                                      |
| Kinetica Deepwater Express, LLC                                                                                                                                          |
| Kinetica Energy Express, LLC                                                                                                                                             |
| LA Storage, LLC                                                                                                                                                          |
| MoGas Pipeline LLC                                                                                                                                                       |
| National Grid LNG, LLC                                                                                                                                                   |
| Ozark Gas Transmission                                                                                                                                                   |
| PGPipeline LLC                                                                                                                                                           |
| RH energytrans, LLC                                                                                                                                                      |
| Roaring Fork Interstate Gas Transmission LLC                                                                                                                             |
| Rockies Express Pipeline LLC                                                                                                                                             |
| Sabine Pipe Line LLC                                                                                                                                                     |
| Spire STL Pipeline LLC                                                                                                                                                   |
| Spire Storage West LLC                                                                                                                                                   |
| Tallgrass Interstate Gas Transmission, LLC                                                                                                                               |
| Total Peaking Services, L. L. C.                                                                                                                                         |
| Trailblazer Pipeline Company LLC                                                                                                                                         |
| TransCameron Pipeline, LLC                                                                                                                                               |
| UGI LNG Inc.                                                                                                                                                             |
| UGI Mt. Bethel Pipeline, LLC                                                                                                                                             |
| UGI Storage Company                                                                                                                                                      |
| Venice Gathering System, L.L.C.                                                                                                                                          |
| Washington 10 Storage Corporation                                                                                                                                        |
| West Texas Gas Utility, LLC                                                                                                                                              |
| Western Gas Interstate Company                                                                                                                                           |
| WestGas InterState, Inc.                                                                                                                                                 |
| WTG Hugoton, LP                                                                                                                                                          |
| Wyckoff Gas Storage Company, LLC                                                                                                                                         |

<sup>1</sup> Please note that access by an entity does not extend to the entity’s affiliates, partners, divisions or other corporate structures.