



North American Energy Standards Board

801 Travis, Suite 1675, Houston, Texas 77002
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Home Page: www.naesb.org

December 2, 2021

NAESB UPDATE CONFERENCE CALL

RMQ GREEN BUTTON EFFORTS: Mr. Coffin, Chair of the Retail Markets Quadrant (RMQ) Energy Services Provider Interface (ESPI) Task Force, delivered the Green Button update. He explained that two new Minor Corrections to the NAESB ESPI Model Business Practices, MC21007 and MC21009, were submitted to the NAESB office from the Green Button Alliance. MC21007 seeks to revise Figure 41 in the ESPI Model Business Practices to include a note stating the use of a website to obtain a customer's access authorization, as shown in the figure, is merely an example, not the only means of obtaining the customer's access authorization. Therefore, the OAuth 2.0 authorization framework does not define how an implementation of OAuth 2.0 obtains a customer's authorization. In MC21009, the proposal is to revise a specific section within the ESPI Model Business Practices to include functional blocks. Mr. Coffin stated that the Green Button implementation date set by the Ontario government has arrived and the Green Button Alliance is currently working with jurisdictional entities to grant certification on their implementation of the ESPI Model Business Practices. Mr. Booe noted that the ESPI Task Force will have some work to address in 2022. He explained that, during a recent Board Strategy Committee meeting, a question was asked as to whether the funds available in the new infrastructure bill might be available for the Green Button Alliance. Mr. Sappenfield stated that the funds could be directed towards smart meters and other Green Button-related initiatives. Mr. Coffin stated that he would look into the information and noted that software-specific funding from sources would be appreciated. He stated that the funding for Green Button initiatives seem to frequently be absorbed by the hardware side, leaving little for the actual implementation of the software.

WEQ COORDINATION ACTIVITES WITH NERC: Ms. Trum, NAESB Deputy Director, delivered the update. She stated that NAESB and NERC staff are in constant communication in order to harmonize projects related to cybersecurity, the parallel flow visualization congestion management system, electronic tagging and other industry priorities. Recently, NAESB ratified revisions to the standards in order to harmonize the definition of the term "System Operator Limits" in the NAESB Wholesale Electric Quadrant (WEQ) Business Practice Standards with the use of the term in the NERC Reliability Standards. Additionally, revisions to WEQ-005 Area Control Error (ACE) Equation Special Cases Business Practice Standards were also ratified in order to align terminology and address modifications made to Version 4 of the NERC Dynamic Transfer Reference Document.

WEQ OASIS SUBCOMMITTEE UPDATE: Mr. Wood, Co-chair of the WEQ OASIS Subcommittee, stated that the subcommittee has completed several revisions to Version 3.4 of the NAESB WEQ Business Practice Standards. Those efforts included enhancements to the redirect examples, the addition of new variables for query responses in OASIS, the development of standards to define the treatment of rollover rights within the Network Integration Transmission Service standards, and improvements to timing tables, among other activities. Currently, the OASIS Subcommittee participants are moving full steam ahead with the development of a cross-reference table that will enable users to better understand how each book in the suite of OASIS Business Practice Standards interacts with the other. Additionally, the subcommittee is reviewing the Consolidation and Concomitant standards, and working to improve the profiles in the preemption process on OASIS. Mr. Booe stated that the cross-reference table will be an effective and useful tool for the industry. He noted that the WGQ has a similar reference tool that has been of use on the gas side.

WEQ ENERGY STORAGE & DISTRIBUTED ENERGY RESOURCES ACTIVITES: Mr. Phillips, Chair of the WEQ Executive Committee and the WEQ Business Practices Subcommittee, provided the update. The WEQ BPS participants continue to meet to develop standards to support distributed energy resources (DERs) in support of the wholesale electric industry's effort to implement FERC Order Nos. 841 and 2222. Recent meetings have focused on developing standards to define an index or registry for these resource types participating in the wholesale market, to create information and reporting requirements, and to establish performance metrics. Mr. Phillips stated that the effort has been carried onto the 2022 WEQ Annual Plan.



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WEQ/RMQ RENEWABLE ENERGY CERTIFICATE ACTIVITIES: Ms. Sieg, Co-chair of the RMQ Business Practices Subcommittee provided the update. The WEQ and RMQ Business Practices Subcommittee (BPS) participants have worked to address the REC effort in two initiatives. First, the subcommittees completed and NAESB ratified the *NAESB Base Contract for Sale and Purchase of Voluntary Renewable Energy Certificates* (NAESB REC Base Contract) and its accompanying FAQ document. Now, the subcommittees are focused on the second step, the drafting of a second recommendation providing technical implementation that facilitates the digital use of the NAESB REC Contract. Both the NAESB REC Base Contract and its technical implementation focus on transactions and manual tracking methods in the voluntary market - tracking RECs from creation, through transfer between entities, and to retirement. Recently, the subcommittees reviewed unique invoices and will begin addressing confirmations and attestations in the next meeting. Mr. Booe thanked Ms. Sieg for the update. He stated that leveraging the work performed within the WGQ – the digitalization of the NAESB Base Contract for Sale and Purchase of Natural Gas – has been beneficial for the efficient development of the NAESB REC Base Contract and its technical documents.

WGQ: RENEWABLE NATURAL GAS CONTRACT ACTIVITIES: Mr. Sappenfield, Chair of the WGQ Contracts Subcommittee provided the update. The WGQ Contracts Subcommittee has held a series of meetings to develop a Renewable Natural Gas Addendum to the *NAESB Base Contract for Sale and Purchase of Natural Gas*. The addendum, which will address both voluntary and regulated markets, contains the terms and conditions specific to RNG transactions and also the technical implementation to transact using distributed ledger technologies, such as blockchains. Mr. Sappenfield stated that the subcommittee is currently considering whether the work will cover third party responsibly sourced natural gas or responsibly produced natural gas. The next two meetings have been scheduled for September 9th and September 30th. Mr. Booe stated that he appreciates Mr. Sappenfield's leadership of the subcommittee and on this standards development effort. Mr. Booe noted that a hydrogen contract was discussed during a recent Board Strategy Committee meeting and may result in a new project on the horizon.

CYBERSECURITY ACTIVITIES: Mr. Buccigross, Co-chair of the WGQ Executive Committee and Chair of the WEQ Cybersecurity Subcommittee, stated that NAESB has developed cybersecurity standards since 1996 and now conducts annual reviews of the standards in each of the quadrants. In 2019, Sandia National Laboratories conducted a surety assessment of certain NAESB Business Practice Standards and Model Business Practices. This effort led NAESB to consider placing the cybersecurity standards in a separate book in order to streamline the process of industry implementation of the cybersecurity standards. Mr. Buccigross recalled that the Board Digital Committee recently discussed the monetary value of the NAESB cybersecurity standards, and noted that hundreds of millions of dollars are protected on a daily basis. He emphasized that NAESB cybersecurity standards have worked for over 26 years and will continue to improve over time.

REGULATORY AND BOARD ACTIVITIES UPDATE: Mr. Booe NAESB Executive Vice President and Chief Administrative Operator, provided the Regulatory and Board Activities update. He stated that the Board Strategy Committee met recently to discuss several topics, including the cybersecurity survey, the quadrant annual plans in light of the goals on the NAESB Strategic Plan, and the potential for the development of standards addressing hydrogen and sustainably produced natural gas transactions. The Board Revenue Committee also met to discuss standing agenda items such as publication schedules, communication activities, revenue generation through September. That committee noted that Ms. Trum was recently published in the Energy Law Journal. On December 9, 2021, NAESB will hold its Board of Directors meeting. Craig Enochs from Reed Smith, LLP will provide a presentation, Issues in Drafting Trading Contracts for Hydrogen, during the board meeting.

NEXT CONFERENCE CALL: The next NAESB Update Conference Call is scheduled for February 23, 2022 from 1:00 PM - 2:00 PM Central. The agenda and any work papers will be posted on the NAESB Update Call page of the NAESB website, accessible at the following link: http://www.naesb.org/monthly_update.asp. We hope you can join us. If there are particular topics you would like to see covered or if you would like to receive additional information, please contact the NAESB Office by phone at (713) 356-0060 or email at naesb@naesb.org.



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NAESB Update Conference Call, Participant List	
December 2, 2021 1:00 PM Central	
Name	Organization
Steve Ballard	Spire Energy
Jonathan Booe	North American Energy Standards Board
Todd Breece	Duke Energy
Jim Buccigross	8760
Christopher Burden	Enbridge
Rebecca Carroll	PJM Interconnection
Chuck Cook	Chevron
Michelle Coon	OATI
Charles Couch	Dauphin Island Gathering Partners
David Crabtree	TECO Energy
Blair Fink	Georgia Public Service Commission
John Fitzgerald	Tennessee Valley Authority
Patrick Foley	NV Energy
Jo Johnson	Portland General Electric
Thomasz Lange	Tenaska
Renee Lani	American Public Gas Association
Scott Lewter	Duke Energy
Andrew MacBride	National Grid
Elizabeth Mallett	North American Energy Standards Board
Steven McCord	TC Energy Corporation
Joshua Phillips	Southwest Power Pool
Chris Plante	WEC Energy Group
Ken Quimby	Southwest Power Pool
Farrokh Rahimi	OATI
Byron Reischl	Arizona Public Service
Lisa Russo	National Fuel Gas
Keith Sappenfield	Cheniere Corpus Christi Liquefaction
Lisa Sieg	LG&E and KU Services Company



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Name	Organization
Mike Steigerwald	Bonneville Power Administration
Carolyn Stone	Cascade Natural Gas Corporation
Caroline Trum	North American Energy Standards Board
Kim Van Pelt	Boardwalk Pipelines
Veronica Whitesmith	PacificCorp
Jason Williams	Southern Company
David Wollman	National Institute of Standards and Technology
Mary Wolosek	Southern Company
JT Wood	Southern Company
Kenneth Yagelski	Southern Company Gas