



North American Energy Standards Board

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Home Page: www.naesb.org

May 3, 2017

NAESB MONTHLY UPDATE CONFERENCE CALL

RMQ: UPDATE ON OPEN FIELD MESSAGE BUS (OpenFMB) ACTIVITIES: Mr. Laval, chair of the OpenFMB Task Force, stated that the data modeling, or UML, is the main artifact for the Retail Markets Quadrant (RMQ) RMQ.26 – OpenFMB Model Business Practices. He stated that International Electrotechnical Commission's (IEC) 61850 Power Utility Automation reference architecture could be integrated into the OpenFMB Model Business Practices and proposed that NAESB enter a liaison agreement with the IEC to facilitate the potential incorporation. Mr. Lackey added that efforts currently underway at the Smart Electric Power Alliance (SEPA) are focused on a standard reading of voltage current, the identity of the device, and implementation items and objectives within OpenFMB. Mr. Laval stated that the NAESB OpenFMB Task Force will plan to meet within the next month. Mr. Booe, Executive Vice President & Chief Administrative Officer, stated that the NAESB leadership is currently addressing the licensing proposal, as the Apache 2.0 license Open Source license would not be consistent with NAESB's current or past treatment of standards. He stated that the proposed liaison agreements should be further discussed offline.

WEQ: UPDATE ON NERC/NAESB/EIDSN COORDINATION: Mr. True, co-chair of the Wholesale Electric Quadrant (WEQ) Executive Committee, noted that NAESB filed a report regarding the North American Electric Reliability Corporation (NERC) BAL-004 Reliability Standards addressing Time Error Correction to the Federal Energy Regulatory Commission (FERC) in March. Additionally, drafted with the support of NERC and the Eastern Interconnection Data Sharing Network (EIDSN), NAESB filed a status report with the Commission regarding the Parallel Flow Visualization (PFV) effort on October 17, 2016. Coordination on Standards Request R16008 is ongoing between NAESB and NERC. Submitted by WEQ leadership, the R16008 proposes that NAESB consider the incorporation of several requirements applicable to Purchase Selling Entity (PSE) found in the NERC INT-004-3.1 Reliability Standard. During the monthly NAESB/NERC coordination calls, Cybersecurity and the draft NERC Reliability Standards Development Plan are also current areas of focus.

WEQ: UPDATE ON WEQ OASIS SUBCOMMITTEE: Mr. Pritchard, co-chair of the WEQ OASIS Subcommittee, explained that the subcommittee is nearing the completion of the short-term preemption and competition recommendation. Upon completion, the recommendation will be posted for a thirty-day industry comment period and the subcommittee will hold a meeting during that time to answer any questions regarding the recommendation that the industry may have. Mr. Pritchard explained the key points of the recommendation. Mr. Booe thanked Mr. Pritchard for the update and noted that the short-term preemption and competition is one of the last pieces of FERC Order No. 890.

WEQ: NAESB ELECTRIC INDUSTRY REGISTRY (EIR OR REGISTRY): Ms. Trum, NAESB Deputy Director, stated that, on May 2, 2017, the NAESB EIR will make available changes to the market operator registration. Currently, entities functioning as market operators are represented through balancing authorities and transmission service providers via the use of a check-box flag, a legacy item retained in the registry during the transition from the NERC Transmission Site Information Network (TSIN) to the NAESB EIR. However, the NAESB EIR was designed to represent market operators as their own role within the registry. This separation of the market operator role will help to distinguish between electronic tagging (e-Tag) changes made for market purposes and those made for reliability purposes. Currently registered market operators will need to update their registration beginning on May 2, 2017. The registry publication of the additional market operator information will begin on May 3, 2017. To avoid any potential issues, all parties that need to register as a market operator in the registry should do so prior to the implementation date of the NAESB Electronic Tagging Functional Specification Version 1.8.3, currently scheduled for October 10, 2017. The retirement of the NAESB Electronic Tagging Functional Specification Version 1.8.2 is currently scheduled for November 7, 2017. The registry will continue to



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include the market operator legacy check-box flag information in publications through this date. Following November 7, 2017, such information will no longer be included in the publication, and any entities that need to make e-Tag modifications for market purposes must be registered in the NAESB EIR as a market operator.

WGQ & WEQ: UPDATE ON FERC FORMS SUBCOMMITTEE: Mr. Brooks, co-chair of the FERC Forms Subcommittee, stated that the FERC Forms Subcommittee held a call on April 26, 2017 to continue the discussion on converting certain FERC forms from Visual FoxPro to Extensible Markup Language (XML). During that call, the participants and a member from FERC staff discussed items that would be needed to complete the project. The subcommittee anticipates that the XML Schema Definition (XSD) will be created by May 2017. Ms. Trum stated that the next FERC Forms Subcommittee conference call will be announced by the NAESB office in May. Mr. Booe thanked Mr. Brooks for delivering the update.

WGQ: SUPPORT OF MEXICAN MARKETS: Ms. Mallett, NAESB Deputy Director, stated that the Wholesale Gas Quadrant (WGQ) Contracts Subcommittee will hold a face-to-face meeting on June 6, 2017 at the NAESB office. The group will continue to discuss the draft Mexican Addendum to the NAESB Base Contract for Sale and Purchase of Natural Gas. During the meeting, several participants noted that a few NAESB WGQ Business Practice Standards should be modified to remove references to gigacalorie as the standard quantity for nominations, confirmations, and scheduling in Mexico. The proposed modifications were submitted to the NAESB office in the form of a Standards Request, R17001, on May 1, 2017. Mr. Booe noted that several NAESB Contracts have been translated to Spanish and are now available to members as a benefit of membership and for nonmember purchase.

WEQ: PARALLEL FLOW VISUALIZATION (PFV): Ms. Trum, NAESB Deputy Director, noted that the October NAESB report to FERC was drafted with the support of NERC and the EIDSN. As indicated in the report, the PFV field trial is still on track to begin as scheduled in August 2017 and is expected to last 18 months. Following the conclusion of the field trial, NAESB will evaluate if any additional modifications need to be made to the WEQ Business Practice Standards, which will again be presented to the WEQ Executive Committee for consideration.

SANDIA NATIONAL LABORATORIES SURETY ASSESSMENT: Mr. Booe, Executive Vice President & Chief Administrative Officer, stated that the Department of Energy is working with Sandia National Laboratories to secure the funding to undergo a surety assessment of the NAESB standards. After the last report and recommendations from Sandia, the NAESB standards were quickly modified by the industry. Michael Desselle, NAESB Board Chairman, has reactivated the Board Critical Infrastructure Committee, co-chaired by Cade Burks and Dave Darnell, to monitor the activities related to security. The first conference call is scheduled for May 16, 2017. Mr. Booe noted that the Board Critical Infrastructure Committee does not take specific action or make recommendations to the board on its own.

COPYRIGHT POLICY OVERVIEW: Ms. Mallett stated that at the end of March and in early April, NAESB sent copyright letters out to jurisdictional entities that are not reflected in the NAESB records as having valid access to the NAESB standards. This effort mirrors a similar effort that NAESB undertook in the WGQ after the publication of WGQ Version 3.0. This time, NAESB focused on the wholesale electric side. Along with an explanation of the NAESB copyright policy, the letter provides information on how to obtain proper access to the NAESB Business Practice Standards.

REGULATORY ACTIVITIES AND BOARD OF DIRECTORS MEETING UPDATES: Mr. Booe delivered the Regulatory Activities update. On April 16, 2017, the Revenue Committee met to discuss publication dates for each quadrant, the structure of the retail quadrant, and the Board Revenue report. The WGQ has proposed changing its publication date from the second quarter the third quarter. Also in April, the Board Strategic Plan Task Force met to receive a status update and review the progress of the development of proposed metrics to support the 2017-2019 NAESB Strategic Plan. The Parliamentary Committee also met to discuss the term “majority” as it is used in the NAESB governing documents. The committee is also working on the NAESB Governance Documents 2.0 Clean



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Up, an effort to review each of the NAESB governance documents for consistency with each other and the Delaware General Corporation Law.

OTHER BUSINESS: Mr. Booe thanked the participants for dialing into the call.

NEXT CONFERENCE CALL: The next Monthly Update conference call is scheduled for June 22, 2017 from 1:00 PM - 2:00 PM Central. The agenda and any work papers will be posted on the Monthly Update 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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May 3, 2017 1:00 PM Central

Name	Organization
Dave Allen	No Affiliation
Travis Allen	Enbridge (U.S.) Inc.
Jonathan Booe	North American Energy Standards Board
Dick Brooks	Independent System Operator New England
David Busby	Southern Company Services Inc.
Lewis Campbell	No Affiliation
Donald Coffin	Green Button Alliance
Michelle Coon	OATI
David Crabtree	Tampa Electric Company
Connor Curson	Powerex Corp
Dave Darnell	Systrends
George Dobins	No Affiliation
Patrick Eynon	Ameren Services Company
Doug Field	Southern Star Central Gas Pipeline
Keith Flynn	TransCanada US Pipes
Kelly Ford	
Marilyn Franz	NV Energy
Paul Graves	Duke Energy
Barry Haaser	Green Button Alliance
Patrick Herm	LG&E KU Services
Brian Hill	Southern Company Services, Inc.
Rachel Hogge	Dominion Transmission Inc
Linda Horn	Wisconsin Electric Power
Gary Kravis	Links Technology Solutions
Larry Lackey	Open Energy Solutions, Inc.
Stuart Laval	Duke Energy
David Lawrence	Duke Energy
Scott Lewter	Duke Energy



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Name	Organization
Elizabeth Mallett	North American Energy Standards Board
James Manning	North Carolina Electric Membership Corporation
Steven McCord	TransCanada Pipelines USA, Ltd
Chelsea Neil	Puget Sound Energy
Thomas Pearce	
Joshua Phillips	Southwest Power Pool
Alan Pritchard	Duke Energy Corp.
Ken Quimby	Southwest Power Pool
Denise Rager	North American Energy Standards Board
Ginger Richman	NJR Energy Services Company
Sam Roberts	No Affiliation
Narinder Saini	Entergy
Oscar Santillana	Federal Energy Regulatory Commission
Keith Sappenfield	Natural Resource Group, LLC
Mark Thomas	Midcontinent Independent System Operator
Vincent Tibo	No Affiliation
Kim Tran	No Affiliation
Roy True	ACES Power Marketing
Caroline Trum	North American Energy Standards Board
Kim Van Pelt	Boardwalk Pipeline Partners
Tommy Waggoner	Southern Company Services, Inc.
Sam Watson	NARUC rep (North Carolina Utilities Commission)
Jennifer Weber	Tennessee Valley Authority