



North American Energy Standards Board

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

February 28, 2018

NAESB UPDATE CONFERENCE CALL

WEQ: UPDATE ON NERC/NAESB/EIDSN Mr. True delivered the coordination update. Recently, NAESB and NERC coordination calls have focused on the Parallel Flow Visualization Effort, NERC Project 2017-04 INT Periodic Review, and issues involving cybersecurity. Currently, the PFV field trial, which began on September 28, 2018, is expected to last for a duration of 18 months and, upon its conclusion, the IDC Working Group will provide NAESB with a report detailing the outcome of the commercial metrics of the project. Meanwhile, NAESB continues to monitor NERC Project 2017-04, a periodic review of the NERC Interchange Scheduling and Coordination Standards. Although the project is just beginning, NAESB will continue monitor any resulting modifications to INT-004, INT-006, INT-009, and INT-10 for effects on the NAESB WEQ standards. Recently, on January 18, FERC issued a NOPR proposing to adopt the Critical Infrastructure Protection (CIP) Standards NERC developed as part of NERC Project 2016-03 Cyber Security Supply Chain Risk Management. While the WEQ CSS determined that no action was necessary during its review of the NERC modifications last year, the subcommittee will continue to monitor NERC efforts related to this activity as well as review the final order on the NOPR once issued by FERC. Mr. Booe thanked Mr. True for the update and for picking up the torch as the Chair of the WEQ Executive Committee. He also thanked Mr. Skiba for filling the role of the Vice Chair of the WEQ Executive Committee.

WEQ: UPDATE ON THE OASIS SUBCOMMITTEE ACTIVITIES Mr. Wood delivered the WEQ OASIS update. With the completion of the Preemption and Competition standards, the OASIS Subcommittee has moved on to 2018 WEQ Annual Plan Items 3.a-3.f. These items task the subcommittee with the development of business practices standards to improve the current operation of the wholesale market and with the development and maintenance of communication standards for OASIS and electronic scheduling. Additionally, OASIS has recently held a series of joint meetings with the WEQ Business Practices Subcommittee (BPS) to close out the last few items on the annual plan that address FERC Order No. 890. Mr. Booe thanked Mr. Wood for the update.

WEQ/WGQ: FERC FORMS SUBCOMMITTEE Ms. Trum provided the update on the WEQ/WGQ FERC Forms Subcommittee. After the FERC issued the order calling for the transition of several FERC Forms to an XML format, the FERC Forms Subcommittee was formed. Chaired by Dick Brooks and Leigh Spangler, the subcommittee first focused on the specifics of the XML structure, such as how to handle negative numbers, page numbers, and how data objects would be treated. Once that ground work was laid, FERC staff committed to provide XML and XSD documentation that could be utilized by the subcommittee moving forward. After the receipt of those documents, the subcommittee will break its current holding pattern and proceed with the standards development effort.

WEQ/WGQ/RMQ: SANDIA NATIONAL LABORATORIES SURETY ASSESSMENT Mr. Burks delivered the update on the Sandia National Laboratories Surety Assessment. The Board Critical Infrastructure Committee (CIC) met on February 26 to review a draft of the Sandia National Laboratories Surety Assessment (Surety Assessment). The Surety Assessment was sponsored by the Department of Energy and provides a glance at the high-level dependency between the gas and electric markets. With a focus on security and communications, the scope of the effort covers the RMQ, WEQ, and WGQ Business Practice Standards and Model Business Practices, along with the NAESB Certification Program for Accredited Certification Authorities. Previously, in 2006, Sandia National Laboratories provided a Surety Assessment of the NAESB Standards that provided a thorough and technical analysis. During the Board CIC meeting, the participants agreed that the draft assessment fell below their expectations, as it provided an extremely high-level overview without much detail. In response to the feedback on the draft, a request will be sent to Sandia National Laboratories asking that the final Surety Assessment provide more granularity. During the next Board CIC call, the next steps in this effort will be discussed.

RMQ: BOARD RETAIL STRUCTURE REVIEW COMMITTEE UPDATE Mr. Burks provided the update on the Board Retail Structure Review Committee (RSRC). This committee was reconvened in April of last year to



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discuss membership concerns within the Retail Markets Quadrant (RMQ). During the last meeting, the RSRC reviewed three areas that needed to be expanded to address membership issues and discussed the cost of membership. Additionally, patent and copyright concerns were discussed as a way to facilitate vendor participation and to potentially incorporate open source standards into the NAESB model. Blockchain is also a topic that the RMQ will follow, as several retail companies have expressed an interest in the new technology. Mr. Booe thanked Mr. Burks for his leadership as Chair of the RMQ Executive Committee.

RMQ: OPEN FIELD MESSAGE BUS (OPENFMB) Mr. Laval delivered the update on recent OpenFMB activities. Last month, the Smart Electric Power Alliance (SEPA) hosted an OpenFMB meeting at DistribuTECH in San Antonio, Texas. During the meeting, the group discussed improving the data model to incorporate IEC 61850. In the coming months, Larry Lackey and Mr. Laval will lead a user group within the UCAIug and work with NAESB to define a clear delineation between code and standards development. In order to achieve scalability of the standard, the NAESB OpenFMB Task Force, also chaired by Mr. Laval and Mr. Lackey, will begin work on cybersecurity aspects of OpenFMB this year. Mr. Lackey stated that while the Common Information Model (CIM) is an enterprise-wide model, 61850 is focused on substations. For this reason, the logical nodes from 61850 will be the meeting point between those two standards. Mr. Booe thanked Mr. Laval for the update.

RMQ: ENERGY SERVICES PROVIDER INTERFACE (ESPI)/GREEN BUTTON UPDATE Mr. Tomlinson delivered the Green Button update. On November 29, 2017, the Ontario Ministry of Energy (the Ministry) issued a regulatory posting proposing to require electricity and natural gas utilities to implement Green Button Download My Data (DMD) and Connect My Data (CMD) by July 1, 2020. Mr. Tomlinson noted that the purchase of the NAESB REQ.21 Energy Services Provider Interface (ESPI) Standard, the XML foundation for the Green Button, would be required of the Ontarian regulated entities as part of their certification with the Green Button Alliance. In response to the stakeholder comments submitted to the Ministry, concerns are being reviewed and cross referenced to refine a concrete implementation plan that will be made public through the Environmental Registry. Mr. Burks thanked Mr. Tomlinson for the update. Mr. Tomlinson stated that he is looking forward to being an active part of the ESPI Task Force. Mr. Booe stated that this effort has been a great example of NAESB working to support a regulatory agency.

ADVISORY COUNCIL: Mr. Booe provided the update on the February 10, 2018 Advisory Council meeting held in conjunction with the Winter NARUC meetings in Washington, D.C. During the meeting, industry luminaries discussed several topics including: the Sandia National Laboratories Surety Assessment, integration of electronic vehicles into the grid, gas-electric harmonization, OpenFMB, Green Button, liquefied natural gas, relationships with external organizations, and increasing membership within the RMQ. The bulk of the discussion focused on blockchain technology and its affect on the energy industry. During the upcoming April Board of Directors meeting, the board will discuss the suggestions that emerged from the Advisory Council meeting. The next Advisory Council meeting will be scheduled for next February.

REGULATORY ACTIVITIES AND BOARD OF DIRECTORS MEETING UPDATES: Mr. Booe delivered the Regulatory Activities update. On April 4, 2018, the NAESB leadership meetings for each quadrant will be combined into one meeting from 4:00 PM to 5:30 PM Central. Following that, the Board of Directors will meet on April 5, 2018. In the coming month, the Board Strategic Plan Ad Hoc Task Force will meet to discuss the 2018 NAESB Survey. The survey is drafted every two years to ask the industry what new projects NAESB should consider in the next few years. The survey is expected to be distributed in the Summer and responses will be due back before the December board meeting. The results will be considered during the drafting of the 2019 NAESB Strategic Plan. Additionally, the Board Revenue Committee will soon hold a conference call to receive updates on communication activities, membership reports, and publication activities, among other agenda topics.

NEXT CONFERENCE CALL: The next NAESB Update conference call is scheduled for April 18, 2018 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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NAESB Update Conference Call, Participant List	
February 28, 2018 1:00 PM Central	
Name	Organization
Karl Almquist	Tallgrass Operations
Jonathan Booe	North American Energy Standards Board
Chris Briggs	Anadarko Energy Services Company
Cade Burks	Big Data Energy
Mark Capano	New York Independent System Operator
Donald Coffin	Green Button Alliance
Michelle Coon	OATI
David Crabtree	Tampa Electric Company
Jeremy Durocher	MCP Operating
Blair Fink	Georgia Public Service Commission
Cynthia Henry	El Paso Electric
Corey Herbolsheimer	NV Energy
Sherry Hill	TransCanada Pipelines Limited
Andrew Howse	Ontario Ministry of Energy
Rebecca Johnson	Western Area Power Administration
Gary Kravis	Links Technology Solutions
Larry Lackey	Open Energy Solutions
Eric Larson	Dominion Energy Questar Pipeline
Stuart Laval	Duke Energy
Lynn Lindblom	WBI Energy Transmission
Elizabeth Mallett	North American Energy Standards Board
Steven McCord	TransCanada Pipelines USA, Ltd.
Patrick McGovern	Georgia Transmission Corporation
Marty Paden	Tallgrass Operations
Alan Pritchard	Duke Energy Corp.
Mike Scott	Duke Energy Corp.
Ed Skiba	Midcontinent Independent System Operator
Carolyn Stone	Cascade Natural Gas Corporation



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Name	Organization
Patrick Tomlinson	Ontario Ministry of Energy
Roy True	Alliance for Cooperative Energy Services Power Marketing, LLC
Caroline Trum	North American Energy Standards Board
Kim Van Pelt	Boardwalk Pipeline Partners
JT Wood	Southern Company Services