



North American Energy Standards Board

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NAESB MONTHLY UPDATE CONFERENCE CALL

RMQ: UPDATE ON OPENFMB ACTIVITIES: Mr. Laval, co-chair of the OpenFMB Task Force, provided the update. This year, the OpenFMB Task Force will begin addressing cybersecurity for the RMQ.26 Open Field Message Bus (OpenFMB) Model Business Practices, adopted by the RMQ last year. Currently, a group within the Smart Grid Interoperability Panel (SGIP) is working to identify best industry cybersecurity practices that will likely form the basis for any standards development efforts by the OpenFMB Task Force. SGIP is also working on the development of additional use cases to address distributed automation, distributed energy resources, and other distribution system-related business drivers. There may be a forthcoming request for further standards development efforts to incorporate these new use cases into the RMQ.26 OpenFMB Model Business Practices.

Mr. Booe stated that the RMQ Executive Committee had discussed the potential of leveraging the NAESB Public Key Infrastructure (PKI) Standards and NAESB Certification Program for Accredited Certification Authorities as part of cybersecurity for the RMQ.26 OpenFMB Model Business Practices. He asked if this security scheme had been discussed related to the best industry cybersecurity practices. Mr. Laval responded that NAESB PKI Standards and Certification Program had not been specifically discussed but noted that there had been more general discussions on the use of PKI. He stated that this effort may lead to the development of best practices that could also potentially be applied to the NAESB PKI Standards. Mr. Booe agreed and noted that it would be important to keep WEQ cybersecurity participants updated on the RMQ effort.

WEQ: UPDATE ON NERC/NAESB/EIDSN: Ms. York, chair of the WEQ Executive Committee, provided the update. NAESB continues to closely coordinate with NERC and the Eastern Interconnection Data Sharing Network (EIDSN) regarding the Parallel Flow Visualization (PFV) effort. Last year, the NERC Operating Reliability Subcommittee approved reliability metrics to be used in the PFV field trial, scheduled to begin in August 2017. Additionally, NAESB staff and WEQ leadership continue to participate in monthly coordination calls with NERC staff to discuss a variety of activities and standards development efforts to ensure the business practices remain complimentary to the reliability standards. One recent topic of discussion has been time error correction. In November 2016, NERC retired the NERC BAL-004 Time Error Correction Reliability Standards, and in February 2017, the WEQ Executive Committee adopted the reservation of the complimentary WEQ-006 Manual Time Error Correction Business Practice Standards. Following the close of the NAESB membership ratification period, NAESB will make a filing to inform the Commission of the outcome of this standards development effort. An additional topic of discussion during the monthly coordination calls is Standards Request R16008, which proposes that certain purchase-selling entity requirements related to dynamic tagging and pseudo-ties currently found in NERC Reliability Standard INT-004-3.1. Last year, NERC removed the purchase selling entity as one of the roles within the NERC Compliance Registry. Related to cybersecurity, the WEQ Cybersecurity Subcommittee will review the modifications to the NERC Critical Infrastructure Protection (CIP) Reliability Standards developed as part of NERC's effort to address directives from FERC Order No. 829. Based on the review of the NERC CIP Reliability Standards, the WEQ Cybersecurity Subcommittee may propose complimentary modifications to the WEQ Business Practice Standards.

WEQ: UPDATE ON THE OASIS SUBCOMMITTEE ACTIVITIES: Mr. Wood, co-chair of the WEQ OASIS Subcommittee, provided the update. The WEQ OASIS Subcommittee is currently working to address short-term preemption and competition and recently completed proposed modifications to WEQ-001 Open Access Same-Time Information Systems (OASIS) Business Practice Standards. The subcommittee is working to review and address the informal comments on the proposed modifications. Once completed, the subcommittee will continue with conforming modifications to WEQ-000 Abbreviations, Acronyms, and Definition of Terms Business Practice Standards, WEQ-002 OASIS Standards and Communication Protocols Business Practice Standards, and WEQ-013 OASIS Implementation Guide Business Practice Standards. The subcommittee is scheduled to complete the



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standards development effort related to short-term preemption and competition by the end of the 2nd Quarter, 2017. After completion, the subcommittee will then address its remaining 2017 WEQ Annual Plan assignments.

WEQ: UPDATE ON THE NAESB ELECTRIC INDUSTRY REGISTRY: Ms. Trum, NAESB Deputy Director, provided the update. Currently, NAESB and OATI, the NAESB Electric Industry Registry (EIR) system administrator, are working on the full implementation of the market operator role within the registry. As originally anticipated with the creation of the EIR, those entities performing market operator functions will register in the EIR as market operators. Currently, market operator functionalities are carried out by balancing authorities that have indicated through the use of a check box that they also function as a market operator, a legacy item retained from the original transition of the registry from NERC to NAESB. Once fully implemented, the use of the market operator role will provide clarity regarding modifications made for commercial and reliability purposes.

The WEQ Coordinate Interchange Scheduling Subcommittee (CISS) is currently working to address two EIR Enhancement Request, ER16002 and ER16003, submitted in December 2016. Both requests propose the addition of a new product code to the EIR. Additionally, the WEQ CISS is developing the implementation plan for Version 1.8.3 of the Electronic Tagging (e-Tag) Functional Specification, adopted by the WEQ Executive Committee in August 2016. This version of the e-Tag Functional Specification accommodates the use of the market operator role within the EIR and on electronic tags (e-Tags).

WGQ & WEQ: UPDATE ON THE GAS-ELECTRIC HARMONIZATION ACTIVITIES AND FERC ORDER NO. 809: Mr. Buccigross, chair of the WGQ Executive Committee, provided the update. During the most recent meeting of the WGQ Executive Committee, held on February 23, 2017, the committee considered eight recommendations related to gas-electric harmonization. The WGQ Executive Committee adopted four no action recommendations. The remaining recommendations proposed standards modifications and failed to meet the necessary voting threshold for adoption. Mr. Buccigross thanked those involved in the standards development process for their participation and input. Mr. Booe stated that the Managing Committee met on February 28, 2017 to review the outcome of the WGQ Executive Committee votes on the recommendations related to gas-electric harmonization. He stated that during the December meeting of the Board of Directors, the Board directed NAESB to provide a status report on gas-electric harmonization activities by March 31, 2017, in response to former Chairman Bay's correspondence. The status report will include the entire record of the standards development process.

Mr. Booe stated that there are five items on the 2017 WEQ Annual Plan related to gas-electric harmonization. The WEQ Executive Committee Gas-Electric Harmonization Task Force has been established to review and develop a recommendation for the annual plan items. The task force has scheduled meetings for March 15, 2017 and March 22, 2017.

WGQ & WEQ: UPDATE ON FERC FORMS SUBCOMMITTEE: Mr. Spangler, co-chair of the WGQ/WEQ FERC Forms Subcommittee, provided the update. The subcommittee is charged with creating a framework for the XML submittal of various FERC Forms identified by FERC as part of the eForms Refresh effort. At the beginning of this effort, FERC staff committed to providing the XML and XSD documents for each form and has recently informed NAESB that the documentation for FERC Form 1 should be completed by the end of the 2nd Quarter, 2017. The subcommittee will review the documentation and make any necessary changes as well as develop any needed standards, potentially included use cases and data dictionaries.

WGQ: UPDATE ON ACTIVITIES TO SUPPORT MEXICAN MARKETS: Mr. Booe, NAESB Executive Vice President and Chief Administrative Officer, provided the update. During the December Board of Directors Reception, held on December 7, 2016, a representative with the Comisión Reguladora de Energía (CRE) spoke regarding recent changes to the Mexican energy market as well as upcoming reforms. At the encouragement of NAESB membership, NAESB has also reached out the CRE to discuss ways the organization can support their reformation efforts. The 2017 WGQ Annual Plan includes an item for the WGQ to consider the development of a Mexican Addendum to the NAESB Base Contract. The WGQ Contracts Subcommittee met to discuss the issue in December 2016 and voted out a no action recommendation. However, several formal comments on the no action



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recommendation expressed an interest in NAESB pursuing the effort, and during the February 23, 2017 meeting, WGQ Executive Committee remanded the recommendation back to the WGQ Contracts Subcommittee for reconsideration. The WGQ Contracts Subcommittee will hold an initial conference call to discuss the effort on March 29, 2017. The CRE has committed to participating in the standards development effort.

REGULATORY ACTIVITIES AND THE BOARD OF DIRECTORS MEETING UPDATE: Mr. Booe, NAESB Executive Vice President and Chief Administrative Officer, provided the update. In March, NAESB will make two filings with the Commission. The first will be a status report on the gas-electric harmonization activities that will include a full record on the standards development effort. The second will be a status report on the standards development effort related to the reservation of WEQ-006 Manual Time Error Correction Business Practice Standards. FERC, via letter order issued on January 18, 2017, has already approved NERC's proposed retirement of the corresponding reliability standards.

The Parliamentary Committee last met on February 16, 2017 to continue discussions regarding majority voting by the Board of Directors. The committee is considering revising the NAESB Governance Documents to rectify inconsistencies regarding majority voting and is also discussing the possibility of making additional modifications to the documents to provide consistency and potentially incorporate policies enacted through resolutions by the Board of Directors.

The Revenue Committee last met on February 16, 2017 to discuss the publication cycles, revenue generation, communication activities, and copyright issues. During the meeting, the committee reiterated the intention to publish a new version of the WGQ Business Practice Standards in the 2nd Quarter 2017, the RMQ Business Practice Standards in the 3rd Quarter, 2017, and the WEQ Business Practice Standards in the 4th Quarter, 2017.

The Strategic Plan Ad Hoc Task Force is working to develop metrics to support the 2017 – 2019 Strategic Plan, adopted by the Board of Directors on December 8, 2016. The development of the metrics may result in further modifications to the strategic plan, which would have to be submitted to the Board of Directors for approval.

The next Board of Directors meeting is scheduled for April 6, 2017. As part of the reception held on April 5, 2017, Mr. Rusty Braziel will speak, and Mr. Jay Costan is the invited speaker for the Board of Directors meeting. Mr. Booe encouraged those seeking more in-depth updates on specific quadrant activities to attend the WEQ, WGQ, and RMQ Leadership meetings to be held on April 6, 2017.

NAESB ADVISORY COUNCIL MEETING: Mr. Booe, NAESB Executive Vice President and Chief Administrative Officer, provided the update. The NAESB Advisory Council meeting was held on February 11, 2017. A majority of discussion during the meeting focused on NAESB's membership and revenue model as well as copyright issues organizations face with the current push towards open source standards. During the meeting, updates were also provided on gas-electric harmonization activities, Smart Grid and OpenFMB efforts, retail net metering standards development, cybersecurity efforts, and the potential surety assessment on the NAESB Business Practice Standards to be performed by Sandia National Laboratory. A reception was held following the meeting.

NEXT CONFERENCE CALL: The next Monthly Update conference call is scheduled for May 3, 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.

Due to technical difficulties, the participant list is not currently available. NAESB will repost this document once the participant list is made available.