



North American Energy Standards Board

1415 Louisiana, Suite 3460, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@naesb.org
Home Page: www.naesb.org

April 17, 2019

NAESB UPDATE CONFERENCE CALL

WEQ UPDATE ON THE OASIS SUBCOMMITTEE ACTIVITIES: Mr. Wood, Co-Chair of the NAESB WEQ OASIS Subcommittee provided the update. As part of its March 26, 2019 meeting, the WEQ Executive Committee approved two recommendations developed by the WEQ OASIS Subcommittee. The adopted modifications to the WEQ OASIS suite of Business Practice Standards support consistency in the curtailment of transmission service, support new notice functionality, and provide a common notice framework structure. Additionally, the WEQ OASIS Subcommittee is meeting jointly with the WEQ Business Practices Subcommittee (BPS) to develop business practices to support posting of additional information regarding firm transmission curtailments onto OASIS nodes as well as to address other annual plan assignments, such as standards to support OASIS use of data from the NAESB Electric Industry Registry (EIR) and modifications to the standards that support Network Integration Transmission Service (NITS) based on industry implementation and operational experiences since their adoption.

WEQ ELECTRIC INDUSTRY REGISTRY: Mr. Phillips, Co-Chair of the WEQ BPS, provided the update. With the goal of improving efficiency and user experience, an update containing several minor changes to the NAESB Electric Industry Registry (EIR) went live on February 27, 2019. The update included an expansion of the audit trail, the addition of a historical viewing mode, and expanded user notification functionality. Additionally, the update added a validation check to prevent simultaneous approvals/denials of a data object. Regarding the forthcoming retirement of Peak RC as a reliability coordinator in the Western Interconnection, NAESB is working with the entities that will assume reliability coordinator responsibilities to ensure the necessary registration is completed prior to the transition. Last year, two EIR Enhancement Requests – ER18001 and ER18002 – were submitted regarding modifications to the EIR to modify the procedure for the subscription renewal process and to the pseudo-tie registration process to allow for the ability to identify whether a pseudo-tie is serving load or generation. Per the EIR Enhancement Request Process, the WEQ Coordinate Interchange Scheduling Subcommittee (CISS) reviewed both requests. NAESB staff worked with the system administrator to obtain the additional needed documentation for ER18002, which was presented along with the request and recommendation of the WEQ CISS to the NAESB Managing Committee for consideration. NAESB staff is still coordinating with the system administrator to obtain the additional needed documentation for ER18001.

WEQ/WGQ FERC FORMS SUBCOMMITTEE UPDATE: Mr. Brooks, Co-Chair of the WGQ/WEQ FERC Forms Subcommittee, provided the update. On January 25, 2019, the WEQ/WGQ FERC Forms Subcommittee met to discuss the Notice of Proposed Rulemaking (NOPR) regarding the FERC eForms effort. Issued on January 17, 2019, in Docket No. RM19-12-000, the NOPR proposes to transition the current filing process for FERC Forms 1, 1-F, 2, 2-A, 3-Q electric, 3-Q natural gas, 6, 6-Q, 60, and 714 from the current platform, Visual FoxPro, to a type of Extensible Markup Language (XML) called eXtensible Business Reporting Language (XBRL). Additionally, the Commission discussed the role of NAESB as part of the FERC eForms effort, noting NAESB's facilitation of subcommittee meetings and contributions. In the NOPR, the Commission also identified plans to convene staff-led technical conferences in consultation with NAESB following the issuance of a final rule.

WEQ COORDINATION WITH NERC AND EIDSN: Mr. True, Vice Chair of the WEQ Executive Committee, provided the update. A main topic of discussion during the monthly coordination calls between NERC and NAESB has been the NERC Standards Efficiency Review. On February 20, 2019, the NERC Standards Committee considered revisions to the NERC Reliability Standards as part of NERC Project 2018-03 Standards Efficiency Review Retirements. The proposed revisions and retirements include requirements within the NERC Interchange Scheduling and Coordination (INT) and the Modeling, Data, and Analysis (MOD) Reliability Standards, including the proposed withdrawal of NERC Reliability Standard MOD-001-2, areas previously identified by the WEQ Standards Review Committee as potentially having an impact on corresponding WEQ Business Practice Standards. NAESB and NERC staff have discussed the potential need for coordination should NERC move forward with these proposed revisions and/or retirements and have agreed to follow the coordination process used for past standard development efforts, such as MOD and Time Error Correction. NAESB also continues to coordinate with both NERC and EIDSN, Inc. regarding the Parallel Flow Visualization Effort. The PFV field trial, which began in September 2017, is expected to conclude



North American Energy Standards Board

1415 Louisiana, Suite 3460, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@naesb.org
Home Page: www.naesb.org

this year. As communicated by EIDSN, Inc. leadership, following the conclusion of the field trial, a report will be provided to NERC and NAESB on reliability and commercial metrics.

WEQ/WGQ/RMQ SANDIA NATIONAL LABORATORIES SURETY ASSESSMENT: Mr. Burks, Chair of the RMQ, provided the update. In early February, the NAESB Board Critical Infrastructure Committee (Board CIC) met to develop written feedback to Sandia in response to a fourth iteration of the updated draft surety assessment received on January 25, 2019. In total, there are four reports in the assessment, each addressing a different topic: the Public Key Infrastructure (PKI) Business Practice Standards, the Business Operations Practices and Standards - addressing the WGQ and RMQ Internet Electronic Transport and Electronic Delivery Mechanism Standards, the OASIS, and an addendum that performs a threat-based examination of the standards reviewed as part of the surety assessment. Each report identifies findings and recommendations for improvements to the standards. The written feedback from the Board CIC was sent to Sandia on February 15, 2019 and provides comments on each finding, analysis, and recommendation. In discussions concerning the forthcoming final reports on the surety assessment, the Department of Energy has requested that, where possible, NAESB expedite our standard development process. To assist in these efforts, the Board CIC has committed to reviewing the final reports on the surety assessment and providing context to any recommendations that may result in standards development. In anticipation of the final report, the Board of Directors added new items to each quadrant's 2019 annual plan directing a review of the final report and the development and/or modifications of NAESB Business Practice Standards as needed. Upon completion of any standard development activities, NAESB will file any ratified WEQ and WGQ Business Practice Standards with the FERC, and make any modifications to the RMQ Business Practice Standards available to NARUC and State Commissions.

WEQ/RMQ/WGQ BLOCKCHAIN STANDARDS DEVELOPMENT EFFORTS: Ms. Crockett, Chair of the WGQ, delivered the update. The WGQ BPS, Contracts Subcommittee, and Electronic Delivery Mechanism (EDM) Subcommittee continue to hold joint meetings to address Standards Request R18007, submitted by TVA, Authority, American Electric Power Service, Adjoint Inc., Big Data Energy Services, Pariveda, and JKM Energy & Environmental Consulting. The request proposes NAESB develop a standard digital representation of natural gas trade events, consistent with the NAESB Base Contract for the Sale and Purchase of Natural Gas (Base Contract), to support industry use of smart contracts and distributed ledger technologies. The subcommittees have developed a scope of work document which identifies several steps to address the request. Outside of the NAESB standards development process, a proof of concept effort has been put together and hosted by industry volunteers. During the April conference calls, the subcommittees will continue to identify the necessary data elements from the NAESB Base Contract, WGQ invoices, and related datasets that may be utilized within a smart contract. Additionally, both the WEQ and RMQ Executive Committees, as part of their March meetings, discussed the blockchain items added to the 2019 Annual Plans by the Board of Directors. First, a joint item to be addressed by the WEQ and RMQ addresses the consideration of blockchain standards in support of the manual Renewable Energy Certificate (RECs) accounting processes. This item was a major focus during the RMQ Executive Committee meeting discussion, as the participants considered the potential for expanding the standards for blockchain beyond the RECs accounting process. The second blockchain annual plan item was assigned to the WEQ and proposes the review and potential development of blockchain standards to support the streamlining of the power accounting close cycle.

RMQ ENERGY SERVICE PROVIDER INTERFACE (ESPI) ACTIVITIES: Ms. Do, Chair of the RMQ Executive Committee, provided the update. On April 8, 2019, NAESB ratified the recommendation containing revisions to the NAESB REQ.21 ESPI Model Business Practices intended to support increased interoperability and better accommodate gas, electric, and water industry use of the business practices. The revised standards are now available for industry as a final action and will be included in the next RMQ publication.

REGULATORY AND BOARD ACTIVITIES: Mr. Booe, NAESB Executive Vice President and Chief Administrative Officer, delivered the update. The NAESB Board of Directors last met on April 11, 2019. Guest speakers during the meeting included Ms. Annie McIntyre, who provided remarks on cybersecurity-related topics, and representatives from Argonne National Laboratories who discussed efforts related to natural gas and electric market interdependencies. The Parliamentary Committee is continuing its efforts to review the NAESB Governance Documents to make necessary revisions to provide clarity and eliminate any inconsistencies. The Revenue Committee last met on March 12, 2019 ahead of the NAESB Board of Directors meeting as part of its efforts to evaluate the



North American Energy Standards Board

1415 Louisiana, Suite 3460, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@naesb.org
Home Page: www.naesb.org

publication cycle, review communication efforts, and discuss membership status and revenue generation.

NEXT CONFERENCE CALL: The next NAESB Update Conference Call is scheduled for June 19, 2019 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.

NAESB Update Conference Call Participant List	
April 17, 2019 1:00 PM Central	
Name	Organization
Jason Adams	TVA
Jonathan Booe	NAESB
Dick Brooks	Reliable Energy Analytics
David Busby	Southern Company Services
Zack Buus	BPA
Donald Coffin	Green Button Alliance
Pete Connor	AGA
Chuck Cook	Chevron
Michelle Coon	OATI
Charles Couch	DCP Midstream
David Crabtree	Tampa Electric
Valerie Crockett	TVA
Mary Do	Big Data Energy
Albuyeh Farrokh	OATI
Marilyn Franz	NV Energy
Linda Horn	WE Energies
Tom Kraft	ONEOK
Gary Kravis	Links Technology
Debbie Kupczyk	National Fuel Gas Supply Corp
Steve McCord	TransCanada Pipelines Limited
Brian Owens	WEC Energy Group
Joshua Phillips	SPP
Alok Pradhan	OATI
Lisa Russo	National Fuel
Keith Sappenfield	Corpus Christi Liquefaction
Carolyn Stone	Cascade Natural Gas Corporation
Karen Utt	TVA
Kim Van Pelt	Boardwalk Pipeline Partners



North American Energy Standards Board

1415 Louisiana, Suite 3460, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@naesb.org
Home Page: www.naesb.org

Megan Vetula	EEI
JT Wood	Southern Company