



North American Energy Standards Board

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January 22, 2014

NAESB AT A GLANCE: MONTHLY UPDATE

UPDATE ON CYBERSECURITY SUBCOMMITTEE (CSS) EFFORTS: Mr. Buccigross, Chair of the Wholesale Gas Quadrant (WGQ) Executive Committee and the CSS (formerly the PKI Subcommittee), provided the update on the NAESB cybersecurity efforts. The 2013 Wholesale Electric Quadrant (WEQ) Annual Plan Item 4.a.iii required the CSS to conduct an annual review of the accreditation requirements for Authorized Certification Authorities to determine whether any changes are needed to meet market conditions. The CSS began work on the annual plan item in September of 2013, voted out the recommendation to revise the accreditation requirements on December 12, 2013, and conducted a formal comment period for the recommendation which concluded on January 16, 2014. The subcommittee reconvened on January 21, 2014 to review the comments received from GlobalSign, ISO New England, Tennessee Valley Authority, and one submission from several members of the ISO/RTO Council Standards Review Committee (IRC SRC). During the February, 18, 2014 WEQ Executive Committee meeting, the Executive Committee will review the recommendation along with the late comments developed by the CSS. NAESB is continuing to monitor the National Institute of Standards and Technology (NIST) Cybersecurity Framework development effort. NIST released the *Preliminary Cybersecurity Framework* on October 22, 2013. The official Cybersecurity Framework, scheduled to be released in February of 2014, is a voluntary guide that will help critical infrastructure owners and operators reduce cybersecurity risks in industries such as power generation and transportation. Mr. Booe thanked Mr. Buccigross for his update and his efforts in leading the CSS and the WGQ.

UPDATE ON OPEN ACCESS SAME-TIME INFORMATION SYSTEMS (OASIS) SUBCOMMITTEE: Mr. Wood, Co-Chair of the WEQ OASIS Subcommittee, delivered the update on the OASIS Subcommittee and its current primary effort, Preemption and Competition. The subcommittee has picked up speed, closing out five of the nine individual assignments and resolving all but 10 of the 200 issues and requirements identified as necessary for subcommittee consideration. Recent meetings have focused on customer notifications, flow charts, and issues with resales and redirects. The OASIS Subcommittee development efforts on the annual plan items will conclude with an analysis and possible standards development in the area of long-term preemption and competition. An informal comment period for the draft recommendation is expected to take place before the submission of the recommendation to the Executive Committee in late June or early July. An informative session will coincide with the comment period in order to assist those who would like to submit comments. Mr. Booe stated that the previous information session on the Network Integration Transmission Service (NITS) standards had yielded a substantial amount of helpful feedback. Mr. Wood agreed and responded that the information session for the OASIS standards are intended to have the same effect. The project is scheduled to be completed within the second quarter of 2014. Mr. Booe thanked Mr. Wood for his leadership of the WEQ OASIS Subcommittee under the tight deadline slated for the OASIS standards development project. The next subcommittee meeting will be held February 19-20, 2014. All interested parties are welcome to attend.

UPDATE ON PARALLEL FLOW VISUALIZATION (PFV) PROJECT: Mr. Saini, Co-Chair of the WEQ Business Practices Subcommittee (BPS), presented an update on the status of the recommendation for 2013 Annual Plan Item 1.a – PFV/Mitigation for Reliability Coordinators in the Eastern Interconnection – Permanent Solution. The draft recommendation developed by the WEQ BPS for the PFV project will be posted for informal comments from January 8, 2014 to January 31, 2014. While the WEQ BPS continues to review two remaining informal comments received in March of 2013, it has posted a newly revised PFV Permanent Solution White Paper which provides readers with a wide-framed view of the project by serving as the basis for the draft recommendation. The expected completion date for the PFV project is scheduled for the fourth quarter of 2014. Mr. Saini noted that the PFV project will require coordination between the NAESB and the North American Electric Reliability Corporation (NERC) standards and that the Interchange Distribution Calculator (IDC) will need to be modified to accommodate the information needed. During the second or third quarter of 2014 the draft recommendation will be considered for vote by the WEQ Executive Committee and full staffing will be recommended at that time. Mr. Booe noted that the



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next WEQ BPS face-to-face meeting will be hosted by OATI, Inc. in Redwood City, CA from February 5-6, 2014. Mr. Booe thanked Mr. Saini for delivering the update and for his leadership of the WEQ BPS.

UPDATE ON NAESB AND NERC COORDINATION: Ms. York, Chair of the WEQ Executive Committee, provided the update on the continuous coordination between NAESB and NERC. The NAESB staff and WEQ leadership continue to hold monthly conference calls with NERC staff to ensure synchronization of the standards development processes. Additional monthly calls between NAESB and NERC staff members are held to ensure that both organizations are supportive to the coordination between the NERC project managers and the NAESB subcommittee Co-Chairs. Over the past year the agenda topics have included the harmonization of the NAESB and NERC glossaries, issues regarding the Electric Industry Registry, the NAESB PFV project, and synchronization on NERC Project 2012-05, ATC Revisions (MOD A). NAESB has worked closely with the MOD A standards drafting team which has developed a matrix of the proposed dispositions of over one hundred requirements for NAESB to review for possible incorporation into the NAESB body of standards. The NAESB WEQ Co-Chairs reviewed the work merely in order to ascertain a work load forecast, as any work on the project will not begin until a standards request is submitted to NAESB from NERC. After approval of the proposed MOD A standards is received from the NERC Board of Trustees and a request for standards development is received, NAESB will triage the request. In this event, NAESB and NERC must work closely with the Federal Energy Regulatory Commission (FERC) to ensure a smooth transition. The development effort has been estimated to last in from six months to multiple years, depending on the complexity, volume, and prioritization of coinciding standards development projects. Mr. Booe thanked Ms. York for her continuous effort to maintain fluid communication between NAESB and NERC, thus ensuring that the organizations remain in lockstep.

UPDATE ON PHASE 3 OF ELECTRIC INDUSTRY REGISTRY (EIR) PROJECT: Ms. Trum, NAESB Staff Attorney, delivered the update on the EIR. On November 7, 2013, Version 1.8.1.1 of the e-Tag Specification was successfully implemented in the EIR/webRegistry. An industry comment period began on January 10, 2014 and ends at the close of business on February 11, 2014 for 2014 WEQ Annual Plan Item 3.b.i-iii –Version 1.8.2 of the e-Tag Specification. The subcommittee expects to present the recommendation to the WEQ Executive Committee for consideration during its February 18, 2013 meeting. On April 22, 2013, NAESB officially announced the beginning of Phase 3 of the EIR also known as OATI's webRegistry, transition. In this phase, the WECC Registry within the WECC Interchange Tool (WIT) will be retired and transitioned into the EIR. Additionally, legacy TSIN items retained within the EIR as part of the original transition will be retired, and the EIR publication will transition to XML file format only, with the CSV and MDB file formats being retired. Phase 3 represents the coordinated efforts of NAESB, OATI, and the Western Electricity Coordinating Council (WECC). As part of this coordination, NAESB, OATI, and WECC jointly hosted information sessions on May 21, 2013, May 22, 2013, June 4, 2013 and June 6, 2013 to provide the industry with an opportunity to learn more about the new functionalities being released as part of Phase 3. Parallel operations for WECC users of the EIR began in June 4, 2013. On Tuesday, October 29, 2013, parallel operations between the EIR/webRegistry and the WECC registry ceased, and the EIR/webRegistry became the official registry for WECC users. The second activity considered for Phase 3, the retirement of the CSV and MDB publication file formats, was completed on November 12, 2013. On this date, the EIR began to publish registry publications in the XML file format exclusively. The use of the XML publication file format will allow more flexibility for registry publications to respond to the need of the industry. The third activity of Phase 3 will be the retirement of several user interface functionalities to take place during the 1st Quarter 2014. The retirement of these functionalities will serve to streamline and improve the efficiency of the EIR/webRegistry. Additionally, as a separate activity from Phase 3, on December 3, 2013, the online emergency publication request functionality was made available within the EIR/webRegistry. This functionality was requested by industry participants and replaced the interim solution that NAESB and OATI had been operating under which required entities to contact the OATI Help Desk and make a verbal request for an emergency publication. The new functionality will allow users to make an electronic request for an emergency publication twenty-four hours a day – increasing efficiency and enhancing support for users needing emergency publications.

UPDATE ON GAS-ELECTRIC HARMONIZATION ACTIVITIES: Mr. Booe, Vice-President of NAESB, provided the update on the gas-electric harmonization activities. As mentioned in previous calls, during the last



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Executive Committee meetings, an informal group, the NAESB Executive Committee Gas-Electric Harmonization Task Force, was formed to support the FERC Notice of Proposed Rulemaking (NOPR), “*Communication of Operational Information Between Natural Gas Pipelines and Electric Transmission Operators.*”¹ The NOPR was later adopted in verbatim by the Commission as FERC Order No. 787.² The task force reviewed the aspects of the standards having to do with communications and will anticipate returning a recommendation to the WEQ and WGQ Executive Committees during the upcoming Executive Committee meetings. NAESB continues to monitor the Eastern Interconnection States’ Planning Council (EISPC) efforts. Ms. McQuade, President of NAESB, and Ms. Crockett, Chair of the NAESB WGQ Executive Committee, have participated in recent EISPC panels which sought to examine ongoing or previous analyses of gas-electric harmonization issues. NAESB has developed several sets of standards regarding the coordination of the gas and electric markets which may require review and possible modifications if a FERC Order is released on the topic.

UPDATE ON THE ENERGY SERVICES PROVIDER INTERFACE (ESPI) STANDARD: Mr. Booe delivered the update on the ESPI standard. The American Energy Data Challenge is a four-part challenge to introduce the public to data and resources offered by the DoE. Contest #2: Apps for Energy invites contestants to submit an app that uses the Green Button, based on the NAESB ESPI standard, to allow consumers to access their energy usage data and securely share that data with third party web and mobile apps. NAESB is currently collaborating with the Ontario Ministry of Energy to implement a similar Green Button contest and an overall initiative within the province. The Green Button concept was developed by the United States Office of Science and Technology Policy to encourage utilities in the United States to provide their customers with easy access to their energy usage data in a computer- and consumer-friendly format via a “Green Button” on electric utility websites. The NAESB ESPI standard, adopted by NAESB in 2012, has been endorsed by the United States as the basis for the Green Button, as it provides a process and interface for the exchange of retail customer energy usage information between their designated data custodian, i.e. utility, and an authorized third-party service provider. NAESB is pleased to support the efforts of the DoE and the Ontario Ministry of Energy, as the groups work to further expand and develop the Green Button initiatives. In related news, the UCA International Users Group OpenADE Task Force has requested possible updates to the ESPI standard. In response, the ESPI Task Force, chaired by Chris Villarreal of the California Public Utilities Commission, has been reactivated and will hold a kick off meeting on February 14, 2014. Mr. Booe stated that Mr. Villarreal is very active in the Green Button space and NAESB looks forward to working with him. Additionally, the WEQ Version 003 standards that support smart grid applications are part of the FERC NOPR, “*Standards for Business Practices and Communication Protocols for Public Utilities,*”³ and will become federal regulation if adopted.

UPDATE ON DEMAND SIDE MANAGEMENT ENERGY EFFICIENCY (DSM-EE) CERTIFICATION: Mr. Spangler, Co-Chair of the DSM-EE Subcommittee, delivered the update on the DSM-EE activities. Over the past quarter, the DSM-EE Specification Task Force has met to develop an underlying specification document that details the requirements an entity must meet to achieve certification in the DSM-EE program. In response to a written request made by Dominion Voltage, Inc. on August 6, 2013 and considered by the board at the September meeting, NAESB initiated the development of a program for the certification of DSM-EE measurement and verification products and services that support the NAESB WEQ and Retail Energy Quadrant demand response and energy efficiency standards. The proposed certification program is similar to the PKI certification program and boasts a three-legged stool approach in which the program is supported by the NAESB Business Practice Standards and Model Business Practices, a specification document that details the requirements an entity must meet to become certified, and a certification program currently being developed by the NAESB Board Certification Program Committee which outlines the process an entity must follow to become accredited. The DSM-EE Specifications

¹ The July 18, 2013 FERC NOPR, “*Communication of Operational Information Between Natural Gas Pipelines and Electric Transmission Operators,*” Docket No. RM13-17-000, is available at: http://www.naesb.org/pdf4/ferc071813_nopr_geh.pdf.

² FERC Order 787, “*Communication of Operational Information Between Natural Gas Pipelines and Electric Transmission Operators,*” Docket No. RM13-17-000, is available at: http://www.naesb.org/pdf4/ferc_order787_111513.pdf.

³ The July 18, 2013 FERC NOPR, “*Standards for Business Practices and Communication Protocols for Public Utilities,*” Docket No. RM05-5-022, is available at: http://www.naesb.org/pdf4/ferc_nopr_071813_weq_v003.docx.



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Task Force met three times before posting the draft specification for an informal comment period which ended on December 5, 2013. During its December 18, 2013 meeting, the task force reviewed the comments received during that commentary period. A late set of comments will be developed by the task force for the February Executive Committee consideration. The task force will meet on January 30, 2014 to polish the recommendation and present it to the Board. Mr. Booe thanked Mr. Spangler for chairing the task force and orchestrating the drafting of the specification document.

UPDATE ON DATA PRIVACY: Ms. Wright, Chair of the Retail Data Privacy Task Force, delivered the data privacy update. The United States Department of Energy (DoE) Federal Smart Grid Task Force has met three times this year with the purpose of developing a draft Voluntary Code of Conduct (VCC) to address privacy concerns enabled by smart grid technologies. The DoE borrowed heavily from the NAESB Model Business Practices, REQ.22, using the document as an outline for the current effort. Due to the potential overlap in many areas between the NAESB Data Privacy standards (REQ.22), and the VCC, the NAESB REQ Data Privacy Task Force has delayed the approval of its recommendation for modifications until the VCC drafting effort is complete. Ms. Wright noted that Chris Villarreal of the California Public Utilities Commission has also carefully monitored the development of the VCC. Mr. Booe stated that he would work with Ms. Wright to reactivate the Data Privacy Task Force and reevaluate the associated annual plan item at the appropriate time. NAESB was recently contacted by a member utility regarding an informal request to develop a certification program to support the REQ.22 Model Business Practices. This certification program would allow third party service providers to attain a certification demonstrating that their data privacy protocols and practices are consistent with REQ.22. The structure of the certification programs would follow the structure of other NAESB certification programs and require third party audits. A formal recommendation regarding this certification will be submitted to the Board in the future and more information will be included in the Board materials at that time.

NET METERING STANDARDS DEVELOPMENT UPDATE: Mr. Jones, Co-Chair of the Retail Business Practices Subcommittee (Retail BPS), delivered the net metering update. The Retail BPS has been asked to develop model business practices and technical implementation to be included in Book 3 – Billing and Payment Model Business Practices – for the limited purpose of providing metering data required by market participants in competitive energy markets in jurisdictions where charges to certain retail customers must account for retail net metering arrangements. The goal of the project is to create consistency regarding the distribution company data that is currently shared with suppliers. After a review of the model business practices, the subcommittee determined that four retail books will be modified to achieve that goal. The Retail BPS has developed a draft definition for the term “Net Metering” which will be reviewed by the Glossary Subcommittee during a January 29, 2014 conference call. All interested parties are welcomed to participate. Mr. Connor asked whether the efforts regarding net metering were limited to the electric markets. Mr. Jones responded that the current efforts only addressed the electric side of net metering.

BOARD AND LEADERSHIP UPDATE: Mr. Booe delivered the Board and Leadership meetings update. The December 12, 2013 Board meeting included an approval of the budget and a review and adoption of the proposed 2014 Annual Plans, updates from the current active board committees, and a review of the work completed in 2013. Ron Binz served as the dinner speaker for the Board dinner and also attended the Board meeting. The Board Revenue Committee will meet on December 19, 2013 to evaluate the pricing of NAESB standards, which are substantially lower than similarly situated standards development organizations. The group has focused on the trend of LLP formation in the industry, leading to a larger number of affiliates taking advantage of the NAESB affiliate discount. The next Board Revenue conference call will be held on January 23, 2014. This meeting is open to all interested parties. The Board Strategic Plan Task Force, created after the September Board meeting, met to continue the effort to identify strategies and the potential structures of NAESB in the future. A survey to members and nonmembers regarding industry issues identified by the panelists at the September Board meeting will be finalized by the committee over the next few meetings. Mr. Booe noted that the next meeting will take place on February 27, 2014.



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REGULATORY UPDATES: Mr. Booe provided the regulatory update. Two minor corrections were filed on November 27, 2014, correcting errata to the 2.0 and 2.1 WGQ standards⁴ and the WEQ Version 003 standards.⁵ The FERC NOPR, “*Standards for Business Practices and Communication Protocols for Public Utilities*,” Docket No. RM05-5-022, was issued on July 18, 2013⁶ and proposes to incorporate by reference into its regulations Version 003 of the NAESB WEQ Business Practice Standards. The proposal includes the adoption of the PKI and Smart Grid Standards. Comments on the NOPR were due September 24, 2013. The NAESB WGQ Version 2.1 Business Practice Standards were published on April 30, 2013, submitted to the FERC on July 23, 2013⁷ in Docket No. RM96-1 et al, and were followed by a July 24, 2013⁸ errata notice filing in the same docket. As previously mentioned, the gas electric harmonization NOPR was adopted by the Commission as FERC Order No. 787 on November 15, 2013.⁹ The *NAESB WEQ Business Practice Standards: Updates and Changes to Version 003* seminar was held on December 16 and 17, 2013 in Houston, TX at the NAESB office. The positive feedback from the participants revealed that the course achieved the goal of providing a general overview of Version 003 of the NAESB Business Practice Standards for the Wholesale Electric Quadrant, while highlighting changes from the prior versions.

NEXT CONFERENCE CALL: The next Monthly Update conference call is scheduled for March 13, 2014 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.

⁴ The November 27, 2013 WGQ NAESB Errata Notice to FERC, Docket Nos. RM96-1 et al, is available at: http://www.naesb.org/pdf4/ferc112713_wgq_versions2.0_2.1_errata.pdf.

⁵ The November 27, 2013 WEQ NAESB Errata Notice to FERC, Docket Nos. RM05-5-000 and RM05-5-022, is available at: http://www.naesb.org/pdf4/ferc112713_weq_version003_errata.pdf.

⁶ The July 18, 2013 FERC NOPR, “*Standards for Business Practices and Communication Protocols for Public Utilities*,” Docket No. RM05-5-022, is available at: http://www.naesb.org/pdf4/ferc_nopr_071813_weq_v003.docx.

⁷ The July 23, 2013 NAESB Report to FERC, “*Standards for Business Practices of Interstate Natural Gas Pipelines*,” Docket No. RM96-1 et al, is available at: http://www.naesb.org/pdf4/ferc072313_wgq_version_2.1_filing.pdf.

⁸ The July 24, 2013 WGQ NAESB Errata Notice to FERC, Docket Nos. RM96-1 et al, is available at: http://www.naesb.org/pdf4/errata_ferc072413_wgq_version_2.1_filing.pdf.

⁹ FERC Order No. 787, “*Communication of Operational Information Between Natural Gas Pipelines and Electric Transmission Operators*,” Docket No. RM13-17-000, is available at: http://www.naesb.org/pdf4/ferc_order787_111513.pdf.



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NAESB Monthly Update Conference Call, Participant List January 22, 2014 1:00 PM Central

Name	Organization
Julie Baumgart	Wisconsin Public Service
Michael Bohan	Tenaska Power Services
Chris Bolick	Associated Electric Cooperative, Inc.
Jonathan Booe	North American Energy Standards Board
Jim Buccigross	8760, Inc.
Pete Connor	American Gas Association
Chuck Cook	Chevron
Dale Davis	Williams
Ericka DeCoursey	New Mexico Gas Company
Meghan Doss	Spectra Energy Transmission
Bob Harshbarger	Puget Sound Energy
Sherry Hill	TransCanada
Rachel Hogge	Dominion Transmission, Inc.
Linda Horn	We Energies
Trevor Horne	Accenture, LLP
Dan Jones	Duke Energy Corporation
Veronica Jones	Defense Logistics Agency
Keith	TransCanada Pipelines
Marie Knox	Midcontinent Independent System Operator
Jan Korver	Iberdrola Renewables
Debbie Kupczyk	National Fuel Gas Supply Corporation
Elizabeth Mallett	North American Energy Standards Board
James Manning	North Carolina Electric Membership Corporation
Steve McCord	Columbia Pipeline Group
Patrick McGovern	Georgia Transmission Corporation
Derrick Mosey	No Affiliation Specified
Joshua Phillips	Southwest Power Pool
Jonathan Pitka	PPL EnergyPlus, LLC



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January 22, 2014 1:00 PM Central

Name	Organization
Ken Quimby	Southwest Power Pool
Narinder Saini	Entergy Services
Susan Schumann	Florida Municipal Power Agency
Maria Seidler	Dominion Voltage Inc.
Lisa Simpkins	Constellation Energy Resources
Leigh Spangler	Latitude Technologies, Inc.
Dave Taylor	Federal Energy Regulatory Commission
Kim Thomas	No Affiliation Specified
Kathy Thornton	Enbridge Offshore (Gas Transmission) LLC
Caroline Trum	North American Energy Standards Board
Kim Van Pelt	Boardwalk Pipeline Partners, LP
Chris Villarreal	California Public Utilities Commission
JT Wood	Southern Company Services, Inc.
Christine Wright	Texas Public Utilities Commission
Kathy York	Tennessee Valley Authority
Randy Young	Boardwalk Pipeline Partners, LP