

UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Smart Grid Interoperability Standards

Docket No. RM11-2-000

SUPPLEMENTAL NOTICE OF TECHNICAL CONFERENCE

(January 13, 2011)

On December 21, 2010, the Federal Energy Regulatory Commission announced that a Technical Conference on Smart Grid Interoperability Standards will be held on Monday, January 31, 2011, beginning at 1:00 p.m. (EST). The staff-led conference will be held in the Commission Meeting Room at the Commission's headquarters at 888 First Street, NE, Washington, DC, 20426. The conference will be open for the public to attend and advance registration is not required. Members of the Commission may attend the conference.

As described in the earlier notice, the purpose of the technical conference is to obtain further information to aid the Commission's determination of whether there is "sufficient consensus" that the five families of standards posted by the National Institute of Standards and Technology are ready for Commission consideration in a rulemaking proceeding, as directed by section 1305(d) of the Energy Independence and Security Act of 2007.

Attached to this supplemental notice is an agenda for the conference. If any changes are made, the revised agenda will be posted prior to the event on the Calendar of Events on the Commission's web site, <http://www.ferc.gov>.

The conference will be Webcast. Anyone with Internet access who desires to listen to this event can do so by navigating to the Calendar of Events on the Commission's web site and locating this event in the Calendar. The event will contain a link to the webcast. The Capitol Connection provides technical support for webcasts and offers the option of listening to the meeting via phone-bridge for a fee. If you have any questions, visit www.CapitolConnection.org or call 703-993-3100.

A transcript of the conference will be immediately available from Ace Reporting Company (202-347-3700 or 1-800-336-6646) for a fee.

All interested parties are invited to file written comments on or before March 2, 2011 that relate to the issues discussed during the technical conference. Commenters are encouraged to use the questions presented in the attached agenda for the conference to organize their comments. Reply comments may be submitted on or before March 16, 2011.

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Commission conferences are accessible under section 508 of the Rehabilitation Act of 1973. For accessibility accommodations please send an email to accessibility@ferc.gov or call toll free 1-866-208-3372 (voice) or 202-208-8659 (TTY); or send a Fax to 202-208-2106 with the required accommodations.

For more information on this conference, please contact Sandra Waldstein at Sandra.Waldstein@ferc.gov or (202) 502-8092, Ray Palmer at Ray.Palmer@ferc.gov or (202) 502-6569, or Annabelle Lee at Annabelle.Lee@ferc.gov or (202) 502-8709.

Kimberly D. Bose,
Secretary.

Attachment



Smart Grid Interoperability Standards

RM11-2-000

January 31, 2011

Agenda

1:00 – 1:05 p.m. Welcome and Opening Remarks by Commission Staff

Introduction

- The Energy Independence and Security Act of 2007 (EISA) requires that, once the work of the National Institute of Standards and Technology (NIST) has led to sufficient consensus in the Commission's judgment, the Commission shall institute a rulemaking proceeding to adopt such standards and protocols as may be necessary to insure smart grid functionality and interoperability in interstate transmission of electric power, and regional and wholesale electricity markets.¹
- To offer guidance regarding the development of smart grid standards, the Commission issued a Smart Grid Policy Statement in July 2009.² This document, among other things, identified key priorities for standards development to consider cyber security, interoperability, and certain smart grid functions.³
- In January 2010, NIST issued a Framework and Roadmap for Smart Grid Interoperability Standards, containing a list of standards identified as applicable to

¹ EISA § 1305(d), Public Law No. 110-140, 121 Stat. 1492, 1788 (2007) (to be codified at 15 U.S.C. § 17385(d)).

² *Smart Grid Policy*, 128 FERC ¶ 61,060 (2009).

³ *Id.* P 29, 40-45, 51-54, 61-62, 74-77, 81-82 and 90-91. The key functional areas included in the Smart Grid Policy Statement are wide-area situational awareness, demand response, electric storage, and electric transportation. *Id.* P 61-62, 74-77, 81-82 and 90-91.

the smart grid. On October 6, 2010, NIST notified the Commission by letter that it had selected five families of standards as ready for consideration by regulators and posted summaries of those families of standards on its website.

- The purpose of this conference is to obtain further information to aid the Commission’s determination of whether there is “sufficient consensus” that the five families of standards posted by NIST on October 6, 2010, are ready for Commission consideration, as directed by section 1305(d) of EISA.

1:05 – 1:20 p.m. Opening Remarks by George W. Arnold, National Coordinator for Smart Grid Interoperability, NIST

Panel 1

1:20 – 2:50 p.m. The Smart Grid Interoperability Standards Process for Reviewing and Selecting the First Five Families of Standards

The Commission seeks information on the NIST processes used to select the five families of standards posted by NIST on October 6, 2010, summaries of which are included in the record of this proceeding. Panelists are encouraged to address:

- The role of stakeholder⁴ participation in the NIST process for reviewing and selecting these five families of standards, including the extent of agreement achieved among the participating stakeholders.
- The diversity of stakeholder participation in the NIST process for reviewing and selecting these five families of standards, including the extent to which stakeholders with relevant expertise participated in that process.
- In response to these subjects, panelists are encouraged to discuss topics that include, but are not limited to, the following:
 - Time and resources devoted to the review of standards;
 - Contribution of standards to increasing interoperability;

⁴ The term “stakeholder” refers to the NIST identified list of 22 stakeholder categories as well as experts from other industries involved in smart grid standards identification, development, or implementation. See <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SGIPCcategories>.

- The standards’ attention to cyber security concepts such as authentication, encryption, integrity, and availability;
- Consideration of legacy system integration issues;
- The U.S. power industry’s familiarity with the five families of standards; and
- Lessons learned from industries within and outside the power sector.

Panelists

- Ed Beronet, Director of Technology and Standards, Elster Solutions, LLC
- Darren Highfill, Founder, UtiliSec
- John Lucas, Transmission Policy and Services General Manager, Southern Company
- Daniel Thanos, Chief Cyber Security Architect, GE Digital Energy
- Gib Sorebo, Chief Cybersecurity Technologist and Assistant Vice President for Technology, Science Applications International Corporation (SAIC)
- Andrew Wright, Chief Technology Officer (CTO), N-Dimensions Solutions
- Frances Cleveland, President and Principal Consultant, Xanthus Consulting International

2:50 – 3:00 p.m. Break

Panel 2

3:00 – 4:30 p.m. The Smart Grid Interoperability Standards Development and Identification Process Going Forward

The Commission understands that the process for identifying smart grid standards at NIST has been and is likely to remain dynamic in nature. The Commission seeks information on the development and identification of smart grid interoperability standards going forward. Panelists are encouraged to address:

- Changes that have been made in the process for developing, reviewing, and identifying smart grid standards subsequent to the process used by NIST to select the five families of standards posted on October 6, 2010.
- How any revisions to NIST’s existing process to identify smart grid standards for regulatory consideration will provide for the sharing of information, transparency and the development of consensus.

- The role of the Smart Grid Interoperability Panel standing committees and permanent working groups⁵ in providing input into the standards development, and identification process.
- In response to these subjects, panelists are encouraged to discuss topics that include, but are not limited to, the following:
 - Time and resources devoted to the review of standards;
 - Contribution of standards to increasing interoperability;
 - The standards' attention to cyber security concepts such as authentication, encryption, integrity, and availability;
 - Consideration of legacy system integration issues;
 - The U.S. power industry's familiarity with the identified standards; and
 - Lessons learned from industries within and outside the power sector.

Panelists

- Wayne Longcore, Director of Enterprise Architecture and Standards, CMS Energy
- Paul De Martini, CTO and VP of Smart Grid Strategy, Cisco Systems
- Ron Ambrosio, Global Research Leader, IBM Energy and Utilities, IBM
- Mike Assante, CEO, National Board of Information Security Examiners (NBISE)
- Nate Kube, Co-founder and CTO, Wurldtech
- Andy Bochman, Energy Security Lead, IBM

4:30 – 5:00 p.m. Wrap-Up FERC Staff, with George Arnold, National Institute of Standards and Technology, and Previous Speakers

⁵ These include the Smart Grid Architecture Committee, Smart Grid Testing and Certification Committee, and the Cyber Security Working Group.

Document Content(s)

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