

Meeting Minutes February 22, 2012

Members

Ron Ambrosio, IBM T.J. Watson Research Center
Robert Burke, ISO New England
Ward Camp, Landis + Gyr
Paul De Martini, Newport Consulting, Inc.
Rik Drummond, Drummond Group
Mark Knight, KEMA
Erich Gunther, EnerNex Corporation
Alex Levinson, Lockheed Martin
Tracy Markie, Engenuity
Ken Wacks, consultant to Sensus Metering Systems Inc.

Support – Pacific Northwest National Laboratory (PNNL)

Ron Melton, GWAC Administrator
Todd Halter, PNNL
Sherry Kowalski, PNNL
Steve Widergren, PNNL

Speakers and Guests

Gerald Fitzpatrick, NIST
Tom Kerber, Parks Associates
Larry Corman, Oncore
Steve Floek, Zome
Mike Coop, ThinkSmartGrid
Chris Kotting,
Scott Crowder

Members – not present

Tom Sloan, Kansas State Legislator
Bob Saint, NRECA
Tony Giroti

Members Emeritus

Joe Bucciero, Executive Consulting

Proprietary Information Notice

Erich Gunther called the meeting to order at 9:00 a.m.

Ron Melton read the proprietary information disclosure policy according to the bylaws to members and guests.

The GridWise Architecture Anthem was sung by members and lead by new members Mark Knight and Paul De Martini.

Introduction of Paul De Martini and Mark Knight

Ron Melton, PNNL, GWAC Administrator & Erich Gunther, GWAC Chairman

Ron Melton introduced new council members Mark Knight and De Martini to the council.

Mark Knight is the Director of Grid Applications at KEMA and has been involved in information technology work and business process work as a consultant and utility employee in the US for

the last twenty-five years. This work involves several areas including distribution, transmission, metering, system integration, and restructuring.

Mark Knight has been involved with GWAC as a member of the Smart Grid Interoperability Maturity Model team.

Paul De Martini is managing director of Newport Consulting Group, LLC, where he assists utility firms and Fortune 250 companies with developing strategy in light of changing markets and policies. He has 30 years of experience leading smart grid initiatives with industry giants such as Pacific Gas and Electric Company, Southern California Edison, and Cisco. De Martini received a BS in Applied Economics from the University of San Francisco, an MBA degree from the University of Southern California, and a Certificate in Technology Management from the California Institute of Technology.

Administrative Business

Ron Melton, PNNL, GWAC Administrator & Erich Gunther, GWAC Chairman

Ron Melton reviewed the agenda, discussed the changes, and asked for any additions.

Minutes from the web meeting that was held on January 25, 2012, were presented to the council via e-mail and comments were received from Robert Burke, Tracy Markie and Mark Knight. Robert Burke motioned to accept the minutes with the recommended changes, Ron Ambrosio seconded the motion and the minutes were approved.

Ron Melton reviewed the calendar for GWAC meetings and the upcoming outreach dates:

- **March 21, 2012:** GWAC Web Meeting
- **March 20-22, 2012:** SGIP Spring Meeting, Charlotte,
- **March 28-29, 2012:** Transactive Energy Workshop, New York (IBM Watson)
- **April 25-26, 2012:** F2F Meeting, Knoxville, TN
- **May 16, 2012:** GWAC Web Meeting
- **May 21-24, 2012:** Connectivity Week, San Jose, CA
- **May 25, 2012:** SGIP Virtual Meeting
- **June 13, 2012:** GWAC Web Meeting
- **October 2-4:** GridWeek/Grid Expo, Washington DC

The March GWAC web meeting is scheduled for March 22, 2012, which is in the middle of the day for the SGIP meeting. The council agreed to integrate with the SGIP meeting and reschedule the meeting to Wednesday, March 21 at 5:00 p.m. in Charlotte. There will be a web connection for those participants who wish to participate remotely.

Ron Melton reviewed the open action items from the previous meeting:

- GWAC members to prepare for 2012 planning session at February meeting.
- Rik Drummond, Toni Giroti, and Todd Halter to draft Smart Grid Investment Grant Interoperability survey questions for council's review at February meeting.

- Todd Halter to create benefit paper/presentation to review with council at February meeting.
- Ron Melton to prepare GWAC smart grid vision document for council's review at February meeting.
- Ron Melton and Todd Halter to prepare GWAC outreach slide deck for council's review at February meeting.
- Ron Melton and Erich Gunther to discuss IEEE Smart Grid Conference volunteers

Grid-Interop 2011 Recap

Todd Halter PNNL

Todd Halter opened discussion up to the council on ways to increase the success of Grid-Interop. One suggestion was to increase the visibility of GWAC involvement with the event and to leverage the GWAC name. Tracy Markie suggested that we analyze web traffic before and after the event. It was also suggested that GWAC become more proactive with marketing to get our name out to the industry.

With shrinking travel budgets, a suggestion was made to have the event in conjunction with another meeting or event in order to boost attendance numbers. Are there events or meetings related enough that we could have a partnered event. Discussion continued regarding the increasing number of smart grid meetings, conferences, and forums. Ron Melton shared that Grid-Interop was mentioned in a recent periodical article as an event worth attending.

Grid-Interop 2012 Planning

Todd Halter PNNL

Ron Melton suggested the theme for Grid-Interop 2012 should be related to practical interoperability. Following discussion the theme of Grid 2020 was selected.

Ron asked the council for possible topics for the tracks and sessions. Below are suggestions provided by the council:

- The State of Interoperability for the foundational session – Paul De Martini agreed to chair
 - Where is the country currently? (provide a benchmark or example)
 - What are the current challenges?
 - Where do we need to focus our attention?
 - Put into context of the GWAC stack
 - Apply the Smart Grid Interoperability Model
- Cyber Security (3 sessions)

The following council members and guests volunteered to assist with Grid-Interop 2012 planning: Ken Wacks, Ron Ambrosio, Robert Saint, Paul De martini, James Mater and Tracy Markie.

Plug-In 2011 Recap and Planning

Erich Gunther, GWAC Chairman

Erich Gunther provided a brief recap of the Grid-Interop Plug-In and the plans for 2012. The first Plug-In was successful and had good participation. Erich has received feedback from several vendors on ways to improve for 2012. This year's Plug-In will be linked to the upper levels of the GWAC Stack and will illustrate how the vendors fit in to the GWAC stack. Additional details will be provided at the Grid-Interop planning meeting.

Lunch Speaker – Introducing Color Power: SCDA for Demand

Steven Floreck, Zome Energy

Steven Floreck presented on Color Power: SCDA for demand management which enables utilities to control end user demand precisely, reliably, and quickly. The technology used is inspired by self-organizing biological systems that coordinate rapid and precise responses across large populations with limited communication.

GWAC Outreach Slide Deck Review

Todd Halter, PNNL

Council members viewed the updated GWAC Outreach slide deck presented by Todd Halter. Discussion followed regarding the intent of the presentation and the target audience. It was suggested that the deck be trimmed to five or six slides that address:

- What is the smart grid and why is it important to the audience?
- Who is the GridWise Architecture Council and why were we created?
- What are key issues impacting the smart grid?
- How the GridWise Architecture Council can assist the smart grid community with these issues?

New council members Mark Knight and Paul De Martini volunteered to take the presented slide deck and update the deck with their “new member” perspective.

Smart Grid Investment Grant Survey

Todd Halter, PNNL

The purpose of this survey is to collect information on interoperability within the grant projects and how they determined their success on interoperability. Todd Halter shared draft questions for the survey and opened discussion to the council.

- What was their definition of interoperability?

- What was their concept of about interoperability?
- Did they create an Interoperability plan?
 - Would they provide the plan for review?
- Did they research any smart grid interoperability standards?
 - Do they know about the SGIP catalog of standards?
- Did they identify any new standard technology that may emerge from the project?
 - Did they work with any standards organizations?
 - SGIP, SSOs, [others]
 - Did they setup any interoperability standards work groups?
- How did they track the maturity of interoperability on their project?
 - Did they use/know about the GWAC IMM?
 - Did they use GWAC's Regulators Check List?
 - Did they use other methods and if so please explain?
- After the project is finished, how do they plan to evaluate the success of interoperability on the project?
- How do they plan to report interoperability success to DOE?

Ron Melton clarified that GWAC is not conducting the survey, but just providing survey questions to be used by the Department of Energy for their survey.

Paul De Martini suggested that we align the survey questions with the Smart Grid Interoperability Model. Steve Widergren recommended that we review the solicitor questions because they are easier to interpret.

Todd Halter said the survey needs to be a half-hour in length and the council needs to recommend the best mechanism for the survey.

Ohio PUC

Ronald Melton, PNNL

The Ohio Public Utilities Commission Dynamic Pricing docket was previously circulated to the council members for their review. Ron Melton asked if this is within GWAC's scope to provide comment. The docket's focus is on various questions relating to the retail use of time varying pricing and referencing both time-differentiated and dynamic pricing. It is primarily focused on questions regarding consumers regarding acceptance, education, and risk management.

The council continued discussion and agreed to submit comments and perhaps a reworded question that would pertain to interoperability. Council members need to submit their comments and suggestions to Ron Melton by COB, Friday, March 2nd. Ron will consolidate the comments and send the consolidated comments out for review early the week of March 5.

NARUC Webinars

Ronald Melton, PNNL

Ron Melton opened up discussion about providing a webinar to NARUC. The Webinar will need to contain fresh materials relevant to their current discussions and should highlight GWAC successes with the wide adoption of interoperability. GWAC needs to have one or more commissioner request to place GWAC on the agenda. Discussion continued regarding the webinar content.

Ron Melton requested volunteers on a proposed message to present to NARUC and request the opportunity to present at a future meeting.

Outreach & Liaison Updates

Ron Melton, PNNL, GWAC Administrator

- Ron Ambrosio – GridWise Alliance
 - A whitepaper on Realizing the Value of an Optimized Electric Grid was released and available today 02/22/12 at gridwise.org. The paper is 46 pages and contains real numbers from utilities regarding smart grid benefits.
- Ron Ambrosio - ISO/IEC JTC1
- Ken Wacks - ISO/IEC JTC1 Sub Committee 25 Working Group 1
 - The subcommittee is considering changing their scope to reflect smart grid.
 - Several U.S. originated documents are about to emerge from the committee.
 - Next meeting is the 2nd week of May in Victoria, BC. Will tour a community there called Colwood where energy innovation is taking place.
- Erich Gunther –UCAUIG
 - Discussing GreenButton
 - Morphing the OpenADE to include GreenButton
 - Discussing the SGIP relationship.
 - UCSUIG will be modifying their lab certification processes to adopt the result of Rik Drummond’s efforts.
- Erich Gunther - EnerNex
 - A GreenButton workshop at EnerNex is planned on 02/29/2012.
- Tracy Markie - ASHRAE Conference
 - At ASHRAE’s winter meeting there were two GWAC hosted educational events. These events were well attended.
 - Tracy Markie is working with Ron Jarnagin to grow the pie of interoperability within the building community with a focus on BACNET and LONWORKS. At the 11th hour, ASHRAE pulled the plug indicating some resistance from the BACNET.
 - Ron Jarnagin and Tracy Markie efforts will continue. They are trying to illustrate the benefits of interoperability that transcends the individual standard use and points of agreement - open, interoperable standards are a positive thing.

Adjourn

Meeting adjourned at 5:00 P.M. for the day to resume at 9:00 a.m. tomorrow.