

Meeting Minutes August 18, 2010

Chairman Ron Ambrosio led the web meeting held from 10:00am – 11:50am on Wednesday, August 18, 2010.

Members

Ron Ambrosio, IBM T.J. Watson Research Center
Robert Burke, ISO New England
Erich Gunther, EnerNex Corporation
David Hardin, Invensys Process Systems
Alex Levinson, Lockheed Martin
Tracy Markie, Engenuity
Ken Wacks, consultant to Sensus Metering Systems Inc.
Richard Schomberg, EDF
Tom Sloan, Kansas State Legislator
Wayne Longcore, Consumers Energy
Rik Drummond, Drummond Group

Chris King, American Energy Institute
Diane Ashley, Lockheed Martin
Jiyuan Fan, GE Energy
Joe Ostendorf, Ameren
John Bellacicco, DC Systems Development First Solar
Mark Knight, KEMA
ML Chan, Quanta Technology
Ning Lu, PNNL
Nivad Navid, Midwest ISO
Terry Oliver, Bonneville Power Administration
Tom Simchak, Alliance to Save Energy
Phil Phoenix
Steven Kulesia
Kelly McNair
Larry Camm
Mark Early
Dave Elve
Atte Lansialmi

Support - PNNL

Ron Melton, GWAC Administrator
Ron Jarnagin
Natasha Brock

Speakers and Guests

Chris Irwin, US DOE
Dan Lubar, RelayServices
Al Hefner, NIST
Ali Ipakchi, OATI
Bill Swan, Alerton
Brett Arteta, Central Hudson Gas & Electric

Members – not present

Robert Saint, NRECA
Amr Ibrahim, Ohio Consumer Council

Proprietary Information Notice

The members and guests were reminded of the proprietary information disclosure policy according to the Bylaws.

Agenda Review

No items were added to the agenda during the review.

Administrative Business

Meeting minutes from the previous meeting on June 1-2, 2010 were approved by a unanimous vote of the council members present. Suggestions made by Robert Burke and Ken Wacks will be incorporated.

GWAC members reviewed a list of upcoming events and the GWAC meeting schedule. Ron Ambrosio noted that additional meetings need to be scheduled as part of the Constitution update process.

- September 21-23, 2010 - GridWise® Global Forum, Washington, D.C.
- October 18-21, 2010 - GridWeek, Washington, D.C.
- October 27: web meeting
- November- possible GI 2010 planning meeting
- December 1-3, 2010 - Grid-Interop, Chicago

Grid-Interop 2010 Planning Update

Robert Burke, ISO New England

Robert Burke gave an update of the planning process for the Grid-Interop 2010 forum. Some SGIP committee meetings will be co-located with the Grid-Interop forum. Grid-Interop 2010 will start with an opening session addressing the value of interoperability; the foundational session will follow setting the stage for the event. The foundational session will be organized as a moderated roundtable focusing on defining the value of interoperability in the context of the various dimensions of the smart grid.

All abstracts submitted were organized into four technical tracks: Business and Policy, Information Interoperability, Basic connectivity and Architecture. The final papers are due in mid-September. Registration will open in September.

DOE Update

Christopher Irwin, Office of Electricity, U.S. Department of Energy

Christopher Irwin invited the Council to present “GWAC Perspective on the State of the Nation in Smart Grid” during the next meeting of the Smart Grid Task Force. “GWAC was mentioned in the congressional legislation as one of the founding forces for the smart grid standards and interoperability efforts,” Mr. Irwin said, “Eric Lightner, as a Task Force Director, believes that it would be a great learning opportunity for the agency members to get introduced for the very first time to the GWAC Stack and other simple concepts and, at the same time, a

leveraging opportunity for GWAC in communicating the GWAC mission and educating the increasingly diverse stake holders.”

[The Federal Smart Grid Task Force](#) was established under Title XIII of the Energy Independence and Security Act of 2007 (EISA) and includes experts from seven different Federal agencies: Federal Energy Regulatory Commission, the Department of Commerce, the Environmental Protection Agency, the Department of Homeland Security, the Department of Agriculture, and the Department of Defense. “The mission of the Task Force is to ensure awareness, coordination and integration of the diverse activities of DOE’s Office of Electricity Delivery and Energy Reliability and elsewhere in the Federal Government related to Smart Grid technologies, practices, and services.”

Action: Schedule webinar to finalize a presentation to be given by Ron Ambrosio at the next meeting of the Federal Smart Grid Task Force.

GridWise® Interoperability Constitution Re-Socialization Status

Ron Ambrosio, Chairman

Ron Ambrosio reviewed the schedule that was outlined during the GWAC meeting in June and the process for re-socializing the constitution with the majority of interviews to be conducted in September-October. Feedback will be summarized and revisions finalized in November during an additional web meeting and reported at Grid-Interop 2010 in December. He emphasized the importance of conducting a training session prior to starting interviews to ensure consistency.

Ken Wacks summarized the interviews and the process that was used at the NARUC summer meetings mentioning that it was an eye-opener to the real world of pressures regulators are facing from the utilities they regulate, from equipment suppliers, and from politicians. “If we can help,” said Ken Wacks, “it would be a great service for the Country.” Ron Ambrosio agreed. Interviews were conducted with commissioners and public utility executive directors from Colorado, Kansas, and Massachusetts.

Council members were asked to provide feedback on the slides Dr. Wacks developed to introduce GWAC and on the updated interview form by Ron Jarnagin.

The highlights of the discussion by the Council members are as follows:

- Develop introductory material that could be distributed among the community members
- Send out GWAC introductory material (brief summary) in advance and separate it from the actual questionnaire;
- Provide a copy of the Constitution and explain that this is the end point;
- Keep in mind that a different audience will be involved in these rounds of interviews;
- Collect input via web, e-mails and follow up calls;
- Add questions about the transition to the smart grid and about the possible internal conflicts within the power industry between the traditional power engineers and the information technology. Erich Gunther suggested replacing “transition” with the “expansion” or “evolution”. Wayne commented that “we think we have transitioned and all is done, but the evolution will continue.”
- Ensure engagement of the emeritus members: Nora Brownell, Alison Silverstein, Wade Troxell;

- Have new members representing the policy community, Amr Ibrahim and Tom Sloan, review the Constitution for readability and understanding.

Actions: Schedule training webinar
Develop introductory material
Confirm the approach during interviews and material to be used
Confirm list of interviewees

Decision Makers Check List Update

Bora Akyol, Ph.D, PNNL

Bora Akyol introduced the Decision Makers Check List updated by James Mater based on the presentation he made to the Council in June 2009, which included minor changes and supplemental questions, not just “what someone is going to do for interoperability” but “what are the specific things someone is doing (using GWAC Stack, etc.)?” He also noted that it was used in the Pacific Northwest Smart Grid Demonstration project to assess awareness of interoperability among the utility participants, which was reported during GWAC meeting on March 15, 2010.

Ron Ambrosio asked Council members to provide their feedback on the updated document prior to the next meeting.

Actions: Review and submit comments.
Finalize the update.
Approve and make available.

SGIP Business and Policy Domain Expert Working Group (BnP DEWG)

Ken Wacks

Ken Wacks provided a summary of the recent BnP DEWG (Business and Policy Domain Expert Working Group) meeting that took place in Sacramento, CA on July 17, 2010. The summary of the comments is as follows:

Ray Palmer, FERC, urged GWAC to focus on simple principles to convey messages effectively.

Rik Drummond stressed the need for a core set of regulations. He mentioned the Universal Commercial Code for commerce established in 1940s as a model set of codes. “The value of model codes is to reduce the cost of interoperability and to make decisions that are effective and that can be easily implemented,” he said. It was agreed that discussing these issues with NARUC would be appropriate.

Vint Cerf of Google pointed out during this meeting that some of these issues may extend beyond utility regulators. Ken noted that “when it comes to extending the grid into the home space, uniformity is not as easy to achieve because of the competitiveness of the developers of the home networking equipment and consumer electronics companies.”

The BnP DEWG can be a trusted source of information and can create liaisons with PUC staff, Commissioners, and advisory groups. Some PUCs don’t have technical staffs and rely on the utilities. It was suggested that the BnP DEWG develop an interoperability brochure to distribute to the commissioners.

There is a need for consumer education. The BnP can provide guidance to those who actually deliver messages to the public beyond brochures. A Commissioner from the District of Columbia pointed out that positive results can be achieved by providing consumers with information on how to save money by reducing energy consumption.

SGIP collaboration: issues and actions update

Ron Ambrosio, Chairman

Ron Ambrosio gave a brief overview of the current activities of the Smart Grid Architecture Committee (SGAC). Two major activities are in progress now: organizing a Semantic Summit at SGIP St. Louis meeting and developing a Smart Grid Architecture – the next step for the smart grid after the conceptual model. EnerNex is leading this effort.

Completed deliverables: Conceptual Model White paper and Semantic Model White paper are available on the SGAC Committee product page at <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SGIPCommitteeProductsSGAC>.

More on SGAC meetings, work products and current efforts are available on the NIST TWIKI page at <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SmartGridArchitectureCommittee>.

Interoperability 101 Workshop at GridWeek

Ron Ambrosio, Chairman

Ron Ambrosio spoke on behalf of Bob Saint who is leading this effort but was unable to participate in this web meeting.

The GridWise® Architecture Council is organizing the Interoperability 101 workshop as part of the GridWeek event scheduled for October 18-21, 2010 in Washington DC. “This series of workshops employs innovative approaches to explore new ways of defining and solving some of the biggest Smart Grid implementation challenges – making new and legacy assets and solutions work together.” Three sessions have been defined: System Operations and Smart Grid Deployments – A Problem Defined; The GWAC Interop Toolkit for Smart Grid Deployment – A Problem Half-Solved; and Beyond the Hype – Interoperability in Practice, each successively builds knowledge of the GWAC Interop Toolkit.

GridWise® Global Forum

Ron Ambrosio, Chairman

Ron Ambrosio gave a brief overview of the session “Resolving the Challenges of Interoperability” organized as part of a new event: GridWise Global Forum, “an international gathering of policy and corporate leaders, technology innovators, legislators, regulators, consumer and environmental advocate as they collaborate to deliver on the promise of a smart grid.”

GWAC Outreach

Ron Melton sent a message to the council members in which he emphasized the importance to GWAC for individual Council members to participate in various events as invited speakers. Such participation is one of the tools for engaging the smart grid community in spreading the GWAC

vision, bringing the message out to the stakeholders and in establishing comprehensive “train the trainer” programs.

“With the expansion of the engagement in smart grid activities across the electric power industry and in the regulatory and policy communities, there is a renewed need to communicate the foundational work done by GWAC. Much of this effort over the coming months will be focused on updating and extending the GWAC material and getting it out into the community,” said Dr. Melton, GWAC Administrator.

Action: Note presentations given by the GWAC members and make it available to the GWAC Administration.

Summary of the Action Items

Action Item	POC	Due Date
Schedule webinar to finalize a presentation to be given on September 14, 2010 to the Federal Smart Grid Task Force. Ron Ambrosio to draft this presentation	Ron Ambrosio	Complete September 2010
Note presentations given by the GWAC members and make them available to the GWAC Administration.	GWAC	2010
<u>Constitution update:</u> <ul style="list-style-type: none"> – Set up a full schedule based on rolling out an update at Grid-Interop 2010 event. – Update the interview form by BnP and NARUC meeting – Conduct training webinar for the interviewers <ul style="list-style-type: none"> ▪ Develop introductory material ▪ Confirm the approach during interviews and the material to be used ▪ Establish a list of interviewees ▪ Make assignments among Council members and establish schedule with the regular progress check – Conduct interviews engaging NARUC, FERC, SGIP GB. – Report at Grid-Interop 2010 	Ron Jarnagin	Complete Complete Scheduled Sept 3 In progress September 2010 September- October 2010 December 2010
<u>Check list Update</u> <ul style="list-style-type: none"> – Review updated by James Mater Checklist and provide comments – Finalize and approve; make available to the public – Continue the discussion of possibly merging the Decision Maker’s checklist and the Interoperability Maturity Model efforts to determine the next course of action. 	Working group/ GWAC Administration	Complete October 2010 TBD
<u>Define “Interoperability 101” session</u> Re-introduced at GridWeek® event	Bob Saint	October 2010
<u>Educational packet</u> for the SG Investment Grant and Demo recipients. Creation of a working group to define the content may be needed.	GWAC Administration/ GWAC members	DOE guidance is needed

Action Item	POC	Due Date
<u>IMM</u> <ul style="list-style-type: none">– Create a base model– Create a workshop to engage the community– Explore GI 2010 venue	IMM team	May 2010 August-September