Meeting Minutes
May 16, 2012

Members

Alex Levinson, Lockheed Martin
Erich Gunther, EnerNex Corporation
Ken Wacks, consultant to Sensus Metering Systems Inc.
Mark Knight, Logica
Rik Drummond, Drummond Group
Ron Ambrosio, IBM T.J. Watson Research Center
Tom Sloan, Kansas State Legislator
Tony Giroti, Bridge Energy Group, Inc.

Support – Pacific Northwest National Laboratory (PNNL)

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

Speakers and Guests

Dave Hardin, EnerNOC, Inc.
James Mater, Quality Logic
Leonard Tillman, Balch & Bingham LLP
Naieem Ashem, KEMA

Members – not present

Bob Saint, NRECA
Robert Burke, ISO New England
Tracy Markie, Engenuity
Ward Camp, Landis + Gyr

Members Emeritus

Joe Bucciero, EnerNex Corporation

Proprietary Information Notice

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

Welcome and Administrative Business
Ron Melton, GWAC Administrator

Erich Gunther was unavailable at the beginning of the meeting so Ron Melton called the meeting to order at 10:05 a.m.

The minutes from the April F2F meeting in Knoxville will be sent to the council prior to the June 13 web meeting. Please make note of upcoming meetings and be sure to have the meetings reserved on your calendar so we can increase meeting participation. The next face-to-face meeting is planned for two full days on August 28-29, 2012 in Seattle, WA.

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

- **May 21-24, 2012:** Connectivity Week, Santa Clara
- **June 13, 2012:** GWAC Web Meeting
- **August 28-29, 2012:** GWAC Face-to-Face Meeting, Seattle
- **September 19, 2012:** GWAC Web Meeting
- **October 2-4, 2012:** GridWeek, Washington, DC
- **October 31- November 1, 2012:** GWAC Face-to-face Meeting, Irving, TX
- **November 14, 2012:** GWAC Web Meeting
- **December 3-6, 2012:** Grid-Interop, Irving, TX

Review of Action Items

Ron Melton, PNNL & GWAC Administrator

Ron Melton reviewed the outstanding action items:

- Sherry is scheduling calls to schedule meetings of the GWAC subcommittees that were discussed at the meeting in Fort Worth

- Erich Gunther and Ron Melton have ongoing GWAC budget discussions with Chris Irwin and Eric Lightner

- Make the connection with NARUC to offer GWAC webinar

- Ron Melton to have a draft set of changes for the "associate membership" program to the bylaws for the council to consider

- Erich Gunther to have Decision Maker Checklist applied to Green Button Initiative

- GWAC to look for possible outreach opportunities for renewable energy presentations and discussions with the National Association of State Utilities Consumer Advocates (NASUCA)

- Erich Gunther and Doug Houseman to investigate "Interoperability Context Framework" as an IEEE/ISO/IEC document

ConnectivityWeek 2012

Ron Melton, PNNL & GWAC Administrator

Ron Melton was planning on attending ConnectivityWeek, but will be in Washington DC for meetings with Bonneville Power Administration. Steve Widergren offered to step in as the track lead in case Anto Budiardjo needs anything. Ron Ambrosio will also back up Steve if necessary.

Grid-Interop 2012 Planning

Todd Halter, PNNL

The planning is slightly behind, but still ahead of last year's schedule. There is a one day F2F meeting coming up on June 6, 2012 and will be held at Tendril Headquarters in Denver, CO. The meeting will be focused on addressing the development of the fundamental sessions, workshops, boot camps, agenda, and the plug-in.

The call for papers went out and the Clasma Grid-Interop 2012 website has been launched. Abstracts for the tracks are due June 16, 2012. Todd would appreciate any help from the council to get the word out to individuals who might be a good candidate to submit a paper. Todd will send out the link to the council about the call for abstracts.

Mark Knight will be able to attend the Grid Interop F2F meeting in Denver.

Plug-In 2012 Planning

Erich Gunther, GWAC Chairman

Erich shared that we are having a hard time getting participation on the plug-in for Connectivity week. It's going to be more of a showcase rather than a plug-in. Erich is hoping there won't be an issue for the plug-in for Grid-Interop.

Department of Energy Electricity Advisory Committee (EAC) Meeting

Erich Gunther GWAC Chairman

Ron Melton directed a question to Tom Sloan about the EAC agenda and the challenges of interoperability. It was recommended that Erich set the stage at the EAC meeting by defining interoperability, why it's important, and what GWAC is doing to achieve interoperability. There are still a number of issues around interoperability that need to be addressed. The DOE needs to be involved and GWAC is one of the mechanisms for DOE to be involved. GWAC is the constant related to grid modernization. The EAC meeting has been moved to June 11-12, 2012.

Ron Melton will be at The DOE Smart Grid R&D Peer Review in San Diego on June 7, 2012. Draft slides are due to Dan Ton by May 25, 2012.

Ron Ambrosio is going to write a succinct statement on areas of focus for the Smart Grid Architecture Committee for the next 18 months. Erich suggested that the council co-articulate with Ron Ambrosio's statement and write an article or blog post that Sherry can post on the website.

Tom Sloan recommended that Erich bring handouts or links to the EAC presentation to leave behind to the committee.

Ron Melton shared a document download count review of the GridWise website activity in 2011.

PDF	Totals
GridWise® Interoperability Context-Setting Framework (interopframework)	1811
Decision-Maker's Interoperability Checklist	1701
Meeting Minutes	1138
/pdfs/gwac_candidacy_form.pdf	829
/pdfs/gw_standards_mapping_p14587.pdf	611
GridWise® Interoperability Constitution (constitution_whitepaper)	522
Financial Benefits of Interoperability (fincial_interop)	394
Interoperbility Path Forward Whitepaper (interoperbility_path)	384
Reliability Benefits of Interoperability (reliablilty_interop)	371
Environmental Benefits of Interoperability (environmental_interop)	367
GridWise Architecture Tenets and Illustrations (tenet_illustrations)	305
Constitutional Convention Proceedings (gw_contitutional_convention_procee	197
/pdfs/gwac_candidacy_form.pdf	105
Bylaws	66
Mission & Structure (gwac_mission_structure)	60
Call for Papers	25
Call for Candidates	20
GWAC Summary of Constitution Interview Process and Feedback (gwac_const_	5
	8911

Erich is going to use this information to help illustrate the impact to the EAC Committee. Ron will also use this data in his presentation to DOE.

All the information is from the GWAC website. Sherry Kowalski will check with Margaret Axelson to see if it's possible to generate what countries, companies, months, etc. are looking at the data.

SGIP 2.0 Comments

Ron Melton & Erich Gunther

There were only 14-15 sets of comments submitted and two or three were from GWAC members. Steve Widergren shared that the comments have been reviewed and grouped into themes because there is overlap on the same kind of topics.

Ron Melton asked about the level of change that the comments will drive and how much different version 2 will be. Steve shared that some things will change, but there has been no real discussion at the DSP level.

A general action item for the council is as soon as version 2.0 is released, to make sure to review as soon as possible, so at the June 18 web meeting we can discuss and make a second round of comments. There is a SGIP Governing Board meeting May 17, 2012 and Scott Hunger will be

reporting and may have the dates available. As soon as the document is available, Sherry will send a reminder to the council to review and submit comments.

GWAC Stack as a "Standard"

Erich Gunther, Doug Houseman, & Steve Widergren

Erich brought up the GWAC stack at the governing board meeting to ask what we might want to do, what the interest was, being engaged, and how to fast track. One way is to identify an existing working group within the appropriate technical committee. Within the IEEE structure, the best place is with the coordinating committee which is chaired by Erich and Doug. Erich explained to the governing board that the council is looking for the most appropriate approach.

Roger Fuji is an IEEE director within the computer society and latched onto the GWAC stack as something to promote and show some progress with smart grid happenings and to also help with some of the contributions within the computer society. Roger suggested doing a joint venture with power and energy along with computer society. Roger also mentioned there is a liaison with ISO/IEC/ JTC1 subcommittee 7 and which might be a way of doing some fast tracking.

Ron Ambrosio thinks the GWAC stack has a better fit under JTC1 than under technical committees.

Ron Melton shared that there may be a two-step approach. One is to find and expedite a path that doesn't preclude broader engagement to get the technical report guidance document-type result. The second step is the GWAC stack has application well beyond interoperability for power systems and that it's applicable to any sort of infrastructure systems and even convergence of infrastructures.

The council decided to arrange a subcommittee that will come up with a better plan and monitor the execution. The following members volunteered to be on the subcommittee; Erich Gunther, Doug Houseman, Steve Widergren, Roger Fujii, Ron Ambrosio, and Ken Wacks. Doug Houseman and Ron Melton will chair the subcommittee.

Sherry Kowalski and Ron Melton will look at the calendar and propose a time for a meeting with the subcommittee – with the intention of holding one or two meetings before the June 18 web meeting.

Transactive Energy Workshop Follow-up Update
Ron Melton, PNNL & GWAC Administrator

There were several homework assignments that the workshop participants have taken on having to do with definitions and the whitepaper that is in progress. The next step is planning for future activities which haven't really started yet. Ron Melton, Rob Pratt, and Terry Oliver will meet with Hank Kensington from OE on Wednesday, May 23 to explain Transactive Control.

Seattle Face-to-Face Workshop Planning
Ron Melton, PNNL & GWAC Administrator

The next F2F meeting is set for August 28 – 29, 2012 and will be held at the Battelle Seattle office. The room block will be at The Marriott Downtown Seattle.

Ken Wacks was thinking about asking representatives from the T'suke First Nation and Solar Colwood (both located near Victoria, British Columbia, Canada) to talk about practical interoperability and making things really work together. Ken will make the initial contact to see if they want to participate in the meeting.

Ron Melton proposes a 2-3 person subcommittee to organize the workshop time at the meeting. Ron Ambrosio, Ken Wacks, and Erich Gunther will join the planning efforts of the workshop. Ron Ambrosio and Ken Wacks will be the leaders of the group.

Ken shared that he had a meeting with MIT to follow up the discussions on the Energy Box presentation. MIT is deciding on how to continue work in this area and if anyone would like to get involved and has some sources of funding that could fund graduate students at MIT, please let Ken know. Tony Giroti will talk with Ken offline.

Action Items Review

Ron Melton, PNNL & GWAC Administrator

- Council to review updated SGIP 2.0 plan to prepare for discussion at the June 13, 2012 GWAC web meeting.

- Ron Melton and Erich Gunther to finalize the EAC presentation and circulate to the council for comments and final review.

- Ron Ambrosio to create and provide a summary of SGIP Architecture Committee planned activities to Ron Melton in preparation for the DOE Electricity Advisory Committee meeting.   Action due within 3 days.

- Erich Gunther and Ron Melton to explore possible leave behinds for the DOE Electricity Advisory Committee meeting.

- Ron Ambrosio suggested the council review the website products for current relevance.

- New committee formed to discuss the GWAC Stack as a possible standard and to formalize and execute an agreed upon plan. Committee consists of Erich Gunther, Doug Houseman, Steve Widergren, Ron Ambrosio, and Ken Wacks. An invitation to join the committee will be sent out to Roger Fujii. Ron Melton and Doug Housman to co-chair the new committee. Committee to meet twice prior to the June 13 GWAC web meeting. The first meeting will be scheduled after June 1, 2012 due to schedules.

- Ken Wacks to approach and invite representatives from the T'suke First Nation and Solar Colwood to present at the August Face-to-face meeting in Seattle.

- Meeting Workshop Committee was formed to plan and execute a workshop at the August 28-29 meeting. Members consist of Erich Gunther, Ron Ambrosio, and Ken Wacks. Ken Wacks and Ron Ambrosio will co-chair.

Sherry's Items

- Create GWAC products jpegs for presentation slide decks.

- Assist Ron to get a draft on June 7 presentation deck to Dan Ton by deadline.

- Distribute SGIP updated 2.0 plan to council for review.

- Ask Margaret for detailed information of downloaded GWAC products.

- Schedule GWAC vision meeting

- Schedule TEW follow-up meetings

- Post Seattle F2F Agenda along with meeting information for increase in participation on Linked.

    o   Post agenda in the IEEE Smart Grid Newsletter

Adjourn

Ron Ambrosio motioned to adjourn the meeting, Mark Knight seconded the motion. Ron Melton adjourned the meeting at 11:28 a.m.