

Meeting Minutes March 20, 2013

Members

Mark Knight, CGI
Ken Wacks, consultant to Sensus Metering Systems Inc.
Jeff Gooding, California Edison
Tracy Markie, Engenuity
Erich Gunther, EnerNex Corporation
David Forfia, Electric Reliability Council of Texas (ERCOT)
James Mater, Quality Logic

Associates

Doug Houseman, EnerNex Corporation

Support – Pacific Northwest National Laboratory (PNNL)

Sherry Kowalski, PNNL

Speakers and Guests

Naeem Ahsan, KEMA
Anto Budiardjo, Clasma Events
Gary Sorkin TUV
David Wollman, NIST

Members Emeritus

Dave Hardin, EnerNOC, Inc.

Members – not present

Ron Ambrosio, IBM T.J. Watson Research Center
Tom Sloan, Kansas State Legislator
Ward Camp, Landis + Gyr
Paul De Martini, Newport Consulting
Alex Levinson, Lockheed Martin
Jeff Taft, Cisco

Welcome and Administrative Business

Ron Melton, GWAC Administrator

Mark Knight called the meeting to order at 10:10 am.

Mark Knight read the proprietary information disclosure policy according to the bylaws to the GWAC members and guests.

Meeting minutes from the February 5-6, 2013 face-to-face meeting were distributed to the Council via email for review. Erich Gunther motioned to accept the minutes with the corrections submitted by Ken Wacks and Mark Knight, Jeff Gooding seconded the motioned and the minutes were approved.

Mark Knight reviewed the calendar for the GWAC meetings and the upcoming outreach dates:

GWAC Web Meetings:

- April 15
- June 26

GWAC Face-to-Face Meetings:

- May 21-22

Events:

- May 23 – 24 Transactive Energy Conference

TEC Planning Meetings:

- March 22 11:00 AM - 12:00 PM PT
- March 29 11:00 AM - 12:00 PM PT
- April 5 11:00 AM - 12:00 PM PT
- April 12 11:00 AM - 12:00 PM PT
- April 19 11:00 AM - 12:00 PM PT

TE Meetings:

- March 25 1:00 - 2:00 PM PT
- April 8 1:00 - 2:00 PM PT
- April 22 1:00 - 2:00 PM PT
- May 6 1:00 - 2:00 PM PT
- May 6 1:00 - 2:00 PM PT

Review of Action Items

Mark Knight, GWAC Chairman

Mark Knight reviewed the action items from the February 5-6, 2013 meeting. Mark stressed the importance of completing the action items relating to the Transactive Energy Conference as soon as possible. Below is the list of TEC items:

Transactive Energy Conference Track Lead Assignments and Tasks

- Track Lead Responsibilities and Deliverable Deadlines:
 - To identify and recommend 2-4 domain experts to the TEC Program Chair
 - Session 1 experts would be leading theorists and researchers
 - Session 2 experts would be leading implementers
 - Define two key questions for each TE Conference workshop session
 - Possible - to create small workgroup sessions after the context-setting comments by domain experts
- Other GWAC Members TEC Tasks
 - Help Identify/recruit sponsors
 - Promote conference
 - Participate in event
- PNNL Tasks
 - Press release
 - Start draft outline of framework
 - Create SharePoint space and provide access to meeting participants
- **Other Assignments and Tasks**
 - NIST Framework feedback – Ron Melton
 - Framework was reviewed and Ron Melton submitted GWAC feedback to NIST on February 8, 2013.
 - Create Memorandum of Understanding between SGIP and GWAC – Ron Melton

- Ron Melton and Mark Knight have started movement on this task. Ron Melton has taken the lead on this task.
- GWAC Stack as a IEEE technical report task – Erich Gunther and Doug Houseman
 - Erich Gunther provided an abstract on the summary of the document and the intended audience to the PES Technical Council in early March. The document is currently under review and once approved a task force will be created under the ITCC for further review and recommendation for acceptance.

GWAC Budget Update

Mark Knight, GWAC Chairman

Mark Knight reported that Ron Melton has recently had discussions with DOE and they are motivated and interested in the recent work the Council has been focused on such as the Atlanta Transactive Energy workshop. The DOE is looking to possibly augment this year's budget to help GWAC with the work on the Transactive Energy Framework. If GWAC receives additional funding we will more than likely owe the DOE additional deliverables such as pre-conference materials for the Transactive Energy Conference and a completed Transactive Energy Framework draft.

Mark Knight is working on a project timeline for the Transactive Energy framework and noted the timing works well for GridWeek. Mark encouraged the council to contemplate possible subjects in the transactive energy area that could be presented in the GWAC track at GridWeek.

GWAC Deliverables and Products

Mark Knight, GWAC Chairman

Mark Knight shared his desire to publish more materials under the GWAC banner. In Addition to the formal DOE deliverables, Mark suggested the council explore publishing thought leadership materials. One suggestion was to write a paper on the use of maturity models for the smart grids. Mark Knight requested the council to consider ideas for whitepapers and asked for volunteers to assist with writing and editing.

Doug Houseman proposed a paper on how to use the three smart grid maturity models together. Mark Knight mentioned that this is already underway as a joint effort between GWAC and SEI.

- GridWise Architecture Council Smart Grid Interoperability Maturity Model
- Software Engineering Institute (SEI) at Carnegie Mellon University Capability Maturity Model (CMM)
- Department of Energy Electricity Subsector Cyber Security Maturity Model

Discussion continued on the need for clarification on the maturity models.

GridInterop 2013

Mark Knight, GWAC Chairman

GridInterop has been the Council's conference and is a great forum for smart grid discussions, but due to 2013 budget constraints the event would have to be canceled. Since that decision was made there is the possibility of additional funding and Clasma Events has some ideas on how the Council can transform the conference to increase attendance. Clasma has secured a date and location for us in Dallas to hold the 2013 GridInterop. Discussion continued on the feasibility of holding the GridInterop. James Mater suggested that we have a follow-up conference on transactive energy by the end of the year and would like to explore the idea of integrating transactive energy in to GridInterop 2013, perhaps tackling the practical aspects of implementing transactive energy.

An agenda item will be placed on the April 15 GWAC web meeting to discuss the feasibility and to decide if GWAC will be holding GridInterop 2013.

GridWeek and Connectivity Week Planning

Mark Knight, GWAC Chairman

Clasma is not holding ConnectivityWeek and is focusing solely on GridSec, which is all about cyber-security. Anto would like GWAC's perspective inserted into GridSec. Ken Wacks suggested a topic on customer privacy and the obligations of energy service providers to enforce security

GridWeek planning has begun and the timing of the event should coincide nicely with the first draft of the Transactive Energy Framework. The planning meeting looked at industry trends and conducted a roundtable discussion on potential topics for the conference. The venue and dates will be announced soon. Some potential topic discussed:

- cyber security
- storm recovery
- microgrids
- value extraction
- changing relationships with customers
- nature of two-way relationships
- interdependencies between the grid and the digital economy
- coordination between utilities and telecom providers
- building to grid
- certification for interoperable systems
- how utilities rewarded
- evolving business models

GWAC should be in the position to build an interesting track using the transactive energy concept to link into the suggested topics.

The second GridWeek planning meeting is scheduled for March 21.

GWAC Face-to-Face Meeting/Workshop Planning

Mark Knight, GWAC Chairman

Originally Ron Melton and Mark Knight were leaning towards the decision of forgoing the workshop portion of the meeting to allow time for last minute Transactive Energy Conference preparations. Discussion continued and the council decided that regardless of whether or not GWAC has a workshop, the Council should focus on getting speakers to continue the momentum that we have built over the last few face-to-face meetings.

James Mater suggested that GWAC have a special speaker at the Transactive Energy Conference perhaps having Jon Wellinghoff, chairman Federal Energy Regulatory Commission as a speaker. Ken Wacks suggested that Wellinghoff could discuss the value GWAC has provided over the years.

James Mater recommends the council invite DOE EERE staff for a building workshop/presentation.

GWAC Transactive Energy Conference (TEC)

James Mater, GWAC Member

James Mater provided an update on the Transactive Energy Conference planning. The Conference will be held on May 23-24, 2013 in Portland Oregon following the GridWise Architecture Council (GWAC) meeting. The Pacific Northwest Transactive Energy steering committee consisting of Paul De Martini, Jeff Taft, James Mater, Ron Melton, Terry Oliver, Erich Gunther, and Ron Ambrosio. Track leads have joined the planning meetings which are held each Friday

Currently, there are eight confirmed sponsorships. Ten people are registered to attend in PointView. Discussion continued on ways to promote the conference to increase attendance. Sherry Kowalski will coordinate a press release announcing the conference speakers and that early bird registration ends March 31.

James Mater reinforced the immediate actions that the council and track leads need to take:

- Register for the TEC (early-bird registration ends March 31)
 - Contact Sherry Kowalski for complementary registration code
- Council to consider their organizations for sponsorship
- Council to Identify liaisons to other groups for getting conference announcements distributes and endorsements
- Track leads to make sure their abstracts are in PointView are up-to-date.
- Track leads to make verify speaker commitments and add their information in to PointView including their abstracts and topics.

Transactive Energy Framework

Mark Knight, GWAC Chairman

The Transactive Energy Framework document and conference are two large GWAC deliverables that will require a great amount of effort. This is a foundational document similar to the Interoperability Context Setting Framework, but with a view around transactive energy. Discussion continued regarding the collaboration that has taken place and the need to clarify the target audience for this document.

Paul De Martini has offered to review and pull information from the Interoperability Context Setting Framework and build a table-of-contents which will be used as a starting point to build the framework.

Mark Knight and Ron Melton will contact Council members for draft input and writing assignments. As the framework document is developed and the TEC approaches, session leads will be asked to provide words to the various scopes around the sessions they are leading to develop the document prior to the conference.

Updates

Ken Wacks met with president and chairman of the India Smart Grid Forum. He indicated that the Government of India and the US Department of Energy have an arrangement to assist with the power issues India is facing and their smart grid needs. India would like to establish a “life line” of electricity that would allow a partial shutdown. Ken was contacted because India would like to work with GWAC. Ken asked if we can find out what arrangements has been made and if GWAC could be one of the organizations that the DOE would help solve some of India’s power issues. Anto suggested that this is part of the ISGAN activities and that Russ Conklin would be an appropriate contact.

Action Items Review

- PNNL is to create and distribute a press release announcing the key-note and plenary speaker and noting that early registration ends March 31. The press release is to be distributed by Tuesday, March 26.
 - Press release to be emailed to Council members for distribution purposes.
- Council members to contact Ron Melton and Mark Knight with any ideas for GWAC whitepapers to be published this year.
- The Council needs to make a decision on holding GridInterop 2013 by the end of the April GWAC web meeting. If the decision is to hold GridInterop 2013, planning committees need to be formed at April meeting.
 - Item to be placed on the April GWAC web meeting agenda to discuss GridInterop’s scope and what would need to be included if held.
- Transactive Energy Framework (TEF)

- Council to discuss the possibility of using the TEF draft at GridWeek and potential session.
- Mark Knight to contact Council members for draft input and writing assignments.
- Paul De Martini to create a table of contents for the TEF.
- Council to provide input on the front sections of the framework document.
- The TEC session leads to provide words to the various scopes around the sessions they are leading to build the document out items prior to the conference.
- GWAC May 21-22 Meeting Planning
 - Council to discuss the possibility of holding a workshop at the May GWAC face-to-face meeting and identifying potential speakers for workshop.
 - Council to send topic ideas to Mark Knight and Ron Melton.
 - Council to discuss how to tie a speaker and/or workshop into the Transactive Energy conference.
- Transactive Energy Conference Planning (TEC)
 - Council to register for conference as soon as possible.
 - Contact Sherry Kowalski for complementary registration code.
 - Council to consider their organizations for sponsorship.
 - Council to identify liaisons to other groups for getting conference announcements distributes and endorsements.
 - James Mater and Ron Melton to look into the process of endorsements.
 - Track leads to make sure their abstracts are in PointView and up-to-date.
 - Track leads to make verify speaker commitments and add their information in to PointView including their abstracts and topics.
- Ron Melton and Mark Knight to investigate the possibly of GWAC involvement in the India and US DOE smart grid agreement. This may be a possible ISGAN activity. Russ Conkling is the ISGAN vice chair.

Adjourn

Tracy Markie motioned to adjourn the meeting, James Mater seconded the motion. Meeting adjourned at 11:57 am.