

Meeting Minutes

March 15, 2017

GWAC Council Members

David Forfia, Director, Enterprise Architecture & IT Transformation, Electric Reliability Council of Texas (ERCOT)

Ron Bernstein, President, RBCG, LLC

Paul De Martini, Managing Director, Newport Consulting Group, LLC

Gerald R. Gray, Technical Executive, Electric Power Research Institute (EPRI)

James Mater, Co-Founder and Director, QualityLogic, Inc.

Farrokh Rahimi, Senior Vice President, Open Access Technology International, Inc. (OATI)

Heather Sanders, Principal Manager, Integrated Grid Strategy & Engagement, Southern California Edison

Thomas Sloan, State Representative, State of Kansas

Members Not Present

Ron Ambrosio, Chief Scientist, Utopus Insights, Inc.

Tanya Barham, CEO, Recess

Doug Houseman, Vice President of Technical Innovation, EnerNex, LLC

Lorenzo Kristov, Principal, Market and Infrastructure Policy, California ISO

Stephen Knapp, Executive Director, Power Analytics Corporation

GWAC Emeritus

Ken Wacks, Sensus Metering Systems

GWAC Associates

Gordon Matthews, Technology Innovation, Bonneville Power Administration

Jeff Morris, Principal, Energy Horizon Corporation

US DOE

Chris Irwin, DOE OE

PNNL support

Ron Melton, GWAC Administrator

Susie McGuire, GWAC Coordinator

Mark Knight, Chief Eng., PNNL

Guests

Bruce Beihoff

Dave LeVee

Ed Cazalet

William Cox

Dave Wollman

Leonard Tillman

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Administrative

At 10:00 am PST the GWAC meeting opened.

David Forfia called the meeting to order at 10:09 am.

David made a motion to approve the January 2017 GWAC minutes with an edit made as suggested by Ken Wacks regarding ISO standards. The minutes were approved with a motion from Ron Bernstein and a second motion by Gerald Gray. The minutes were approved at 10:14 a.m.

Ken Wacks noted for the record that MIT is holding space for next year's TESC 2018.

Ron Melton checked the attendees and noted to Susie to send Ron Ambrosio's new email to the GWAC.

David Forfia reminded the Council that as of April 1 SGIP and SEPA are merging and will be known as SEPA.

Upcoming meetings

ISGT 2017- April 23-26, Washington, DC

TSP review-April 26-27, 2017, Washington, DC

GMLC Interop partners F2F meeting- May 10-11, Columbus, OH

TESC 2017- June 13-15, 2017 in Portland, OR

IEEE PES GM- July 17-20, Chicago, IL

SEPA Grid Evolution Summit, July 25-27, Washington, DC

Steve Widergren will host a technical review meeting for the DOE Transactive Systems program at the Crystal City Marriott in Arlington, VA for the afternoon of 26 April and the morning of 27 April. IT will start at the conclusion of the IEEE ISGT Conference. Please contact Steve Widergren or Susie McGuire if you are interested in participating.

Steve Widergren is working with SGIP on an Interoperability technical program review to be held May 10 and 11 in Columbus, Ohio. AEP is hosting the meeting at their facility. If you are interested in participating in this meeting please contact Steve Widergren or Susie McGuire.

Gerald Gray EPRI will host the inaugural CIM compliance event for the Task force IEC 61968 CIM energy standard update October 10 and 12.

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James Mater noted the Open ADR tutorial and workshop April 18-19 Palo Alto, DER Communication requirements and protocols <http://www.openadr.org/derworkshop>

Mark Knight presented a status of the TES 17 Planning meetings: What TE can offer might be a good lunch session. The planning call this week was interesting. One of the keynotes turned into an extra plenary, we haven't had anything from a vendor perspective in the past. After discussions it was thought that a well moderated vendor panel would be helpful. A number of names and ideas were presented. DER and real world challenges. Doug Houseman suggested a table by table activity of light exercises, maybe on day 1 so that feedback could be worked into the following panels and workshops. This might provide good ideas about what to focus on next, it may even help decide the direction of the 2018 meeting.

TES Plenaries will be: David Forfia – Foundational, James Mater – DER challenges, Dave Hardin – Blockchain, Smart Cities – Ron Bernstein

James, Dave, Ron, and Mark are continuing to exchange ideas on these plenary talks and the impact on TESC 17.

Mark: Volunteers are needed to help align the panels and workshops to the TE Roadmap. Ron noted that right now we need help identifying the requirements of the talks, not necessarily the speakers themselves. The planning committee would identify the right topics and then track down the right people to give the talk.

Dave LeVeé with Powercast volunteered but Ron said the GWAC members should be involved. He could be an advisor to GWAC members. Dave commented that specific knowledge in foundation principals should be applied across all DER/TE options.

Mark presented a slide showing how a concept grows to illustrate the progress of core ideas starting with the roadmap to the swim lanes and then to the tracks of the meeting.

TES 17 Abstract Selection Support

Mark Knight noted that abstract selection will be coming up soon. In the past we had teams to review abstracts and we could use some volunteers to help do the reviews. It would be really good to have 2 to 3 reviewers of abstracts in each area.

- Heather volunteered on business and policy challenges

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- Paul DeMartini volunteered on real world design
- Gordon Matthews and Ron Bernstein volunteered on TE and practice
- Tom Sloan volunteered on world business and policy
- Lorenzo Kristov volunteered for the business and policy.
- Bill Cox would be available to help if nonmembers are allowed

Lorenzo Kristov asked what the time frame of the reviews is. Mark Knight estimates that it would be first 2 weeks in April.

Mark said we have about 12 papers at this time. And the deadline has been moved to the end of March. It was noted that several people are working to that new date.

Mark Knight - SGNW is going to send a survey out to previous TES participants to get feedback. There will be a page on the TES conference website about the tutorials. It will be on the website and also travel information.

Tanya Barham is at a conference this week and will be recruiting tutorial presenters. We will look into the possibility of continuing education credits.

Ron noted that preliminary research showed that we need a partner university such as Portland University to work with us.

If people on the call are planning to submit an abstract, or if their associates are, please encourage everyone to submit them as soon as possible. Also, if any GWACers have ideas about sponsorship contacts please give Mark, Ron, or Susie their contact information.

Ron would like to have a sponsor abstract info on the website – info for sponsors

Action: Paul DeMartini asked Ron or Mark to send him a copy of the sponsorship information.

Mark presented an illustration and discussion of the progress of the roadmap development, swim lanes and how we apply them to the tracks of the meeting.

We should be able to see the six TE principals in the Core Concepts. We now have the legwork of editing.

Ron replied to Heather that the intended audience is technical.

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Farrokh stated the benefits and results for each stage collectively across all would be helpful. Ron liked the idea but thought of how you do need the detail to see deployment at scale, and said there are missing pieces that need to be addressed.

Ed Cazalet said that a coordinated set of deployments is needed to help people to see the benefits, and to know why they would want to do this and what type of actions are needed for their entity. A set of examples could be spelled out. Ron said this is why we went to stages rather than a time line.

Ron said the work on this will continue, the work party will resume in the next couple weeks. Farrokh will be out of town until April 5 but can join when he returns.

Farrokh said that use cases of the TE roadmap are needed.

David Forfia gave a quick overview of the planned merger of SGIP with SEPA. David, Edelston, ___ Gary Rackliffe, and Raiford Smith will move to the SEPA board from the SGIP board. SGIP has six employees and with the merger the total employees will be about 40 including the International Solar Power board. This has been announced at DistribuTECH.

Regarding SGIP IPR policy, because there were government funded projects they will remain publically available. But future materials may be more limited to the membership.

Ron Melton noted that there had been an MOU between SGIP and GWAC. David said that he would apprise the new SEPA council of this past relationship and would look for opportunities to create something similar with SEPA if the opportunity presents itself.

Ron Bernstein – endorsing events and conference in exchange for speaker opportunities. Relative to the DOE and national labs it's not a doable thing, much justification is needed. But for the GWAC which is somewhat independent of DOE and PNNL the bylaws address this. When the request comes in the administrator and chair review the request. If it's an obvious relationship they will agree or disagree to endorse. If it's not as clear they will do some research and present to the council.

Ron Bernstein currently has 3 events that he is involved with. One on DER and two on Grid. He is engaged with five organizations at this time under Lonmark. He wanted to know if he could ask GWAC members to speak. Ron Melton said this may not represent endorsements. We don't do endorsements as sponsorship because there is no budget. Also, commercial activities are general not endorsed.

Ron noted that if we do endorse we will send an announcement to the GWAC extended list. And likewise we would ask those originations to help publicize GWAC events.

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Ken Wacks reported on the meeting March 6 – 10 in Milan, Italy of ISO/IEC JTC1/SC 25/WG 1, “Home Electronic System,” international standards committee, which he chairs. He described work on an energy management standard for apartment complexes proposed by the Republic of Korea and on a cyber security standard by the US using certificates and gateway software for legacy devices. He noted the publication of ISO/IEC 15067-3-3, “Gridwise interoperability context-setting framework” and sale by ISO, IEC and ANSI. Ken offered to process additional GWAC documents through this ISO/IEC Committee.

Ron Melton asked if we could get some feedback about sales of the GWAC documents.

Ron Ambrosio gave a brief review of Utopus Insights, an IBM spin out of the entire IBM Smart Energy team. Velco is the primary strategic partner. Ron noted that he intends to stay active with GWAC. He will be the Chief Scientist for the new company. They are located 10 minutes from the IBM campus, and he is a founding member. He will send a briefing to the GWAC list. (They are using Outlook 365).

Ron Melton called out that Jeff Morris, GWAC associate, has been in the state news for sponsoring legislation regarding individual privacy regarding the use of biometric data.

<http://housedemocrats.wa.gov/jeff-morris/morris-bill-protects-consumers-from-new-invasive-technologies/> Ron Melton encouraged him to work with Dave Hardin and participate in the TES17 panel on Blockchain technology.

Ken Wacks noted an interesting article in the March 13 NY Times, “Solar experiment lets neighbors share...” using TE and blockchain was mentioned.

https://www.nytimes.com/2017/03/13/business/energy-environment/brooklyn-solar-grid-energy-trading.html?_r=0

Mark Knight asked for names to help with the Foundational Session: Heather Sanders, David Wollman will help as a non-GWAC, formulation of foundational session for the TE Conference. This would be needed by the end of May.

Ron Melton further explained the support needed; starting with the grid interop conferences we had at each annual GWAC conference, a GWAC “foundational session” where the GWAC would host presentations around common basis of understanding. One example would be how energy standards are developed and explaining that in a two hour session. This proved helpful to the general audience of the conference audience to understand a selected topic that was relative across the board.

For this year it is a rollout of the TE Roadmap as a general foundational theme.

Farrokh suggested adding a positive use case that is in place to the foundational session. Also to explain what are now in place and which ones are not. He could help with this.

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Ed Cazalet suggested to explain concepts, and jargon about basic terminology relevant to the Roadmap.

Ron Melton said also more information about the stages would be good and is planned with Mark Knight or himself to lead it. It was suggested that this would be good to share this with the foundational team for their planning.

Actions:

Action: Susie to send Ron Ambrosio's new email to the GWAC council.

Action: Paul DeMartini asked Ron or Mark to send him a copy of the sponsorship information.

GWACers who have ideas about sponsorship contacts please give Mark, Ron, or Susie their contact information.

All GWAC participants are asked to help promote the TES 17 call for papers and encourage timely submission and likewise to help promote the TES 17 conference (June 13-15, 2017 in Portland, OR)

Adjourn

David Forfia asked for a motion to adjourn. Ron Bernstein gave the motion and Farrokh Rahimi seconded. The meeting adjourned at 11:47am