

Meeting Minutes April 15, 2010

Chairman Ron Ambrosio led the meeting that was held at 10a.m.-12p.m. PT on April 15, 2010.

Members

Ron Ambrosio, IBM T.J. Watson Research Center
Robert Burke, ISO New England
Rik Drummond, Drummond Group
David Hardin, Invensys Process Systems
Alex Levinson, Lockheed Martin
Robert Saint, NRECA
Ken Wacks, Consultant to Sensus Metering Systems Inc.
Richard Schomberg, EDF
Amr Ibrahim, Ohio Consumers' Counsel
Wayne Longcore, Enterprise Architecture & Standards, Consumers Energy

Gary Stuebing, Duke Energy
Mark Knight, KEMA
Mike Corbett, Buford Goff & Associates, inc
Bill Cloutier, DTE Energy
Carisa Neu, MPSC
Dan Lubar, RelayServices
Erik Gilbert, Summit Blue Consulting
James Mater, QualityLogic
John Banting, Cooper Power Systems
Jerry FitzPatrick, NIST
Ralph Martinez, BAE Systems
Terry Mohn, BAE Systems
Bruce Kraemer
Christopher Kotting
Diane Ashley
Tom Herbst
Alenn Hefner
Junaid Hossain
Michael Leppitsch

Support - PNNL

Ron Melton, GWAC Administrator
Ron Jarnagin
Bora Akyol
Natasha Brock

Members not present

Erich Gunther, EnerNex Corporation
Tracy Markie, Engenuity

Speakers and Guests

Steve Widergren, PNNL

Proprietary Information Notice

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

Agenda Review

No items added to the agenda at the time of review.

Administrative Business

Approval of the meeting minutes from the previous meeting (March 10, 2010):

- Motion to approve meeting minutes was made by Erich Gunther and seconded by Robert Burke

- Meeting minutes were approved by unanimous vote of the present council members.

GWAC members reviewed a list of upcoming events and GWAC meeting schedule. Ron Ambrosio suggested replacing the web meeting in August with the face to face meeting in September following or preceding the Global SmartGrid Forum that will take place on September 21-23, 2010.

- May 24-27, 2010 - ConnectivityWeek/GridWise Expo, Santa Clara
- June 1-2: face to face meeting, Denver, CO
- June 3-4:– Grid-Interop 10 planning meeting
- August 18: web meeting
- 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

Action: GWAC Administration to determine if another face to face meeting can be scheduled in September 2010. Possible date - September 24, 2010.

GWAC Constitution Resocializing Status Update

Council members agreed that six to nine months will be needed to conclude the Constitution resocializing process. Ron Ambrosio noted that SGIP would make it easier this time to reach out to people, and it would be possible to close in October.

Rik Drummond described an approach that was used in 2005 where statements/articles were revised and updated during the process of conducting interviews. In 2010, the same approach and the same GWAC Interoperability Constitution Interview form can be used.

Erich Gunther emphasized the importance of targeting 100-200 interviewees and balancing them across the stakeholder categories.

Actions:

- Develop a script to be used during interviews: introduction of GWAC, statements.
- Identify key people across different stakeholder categories to be interviewed.
- Make assignments among Council members and establish schedule with the regular progress check.

Decision Maker's Check List Update

Presented by Bora Akyol, PNNL

Bora Akyol reported on the real life experience with using the GWAC Decision Maker's Interoperability Checklist in the Pacific Northwest Smart Grid Demonstration project to assess awareness of interoperability amongst the utility participants.

Dr. Akyol noted that although it provides a great starting point for interoperability, checklist does not produce "actionable information to enable technical discussions." The way these questions are worded, they most likely result in a "yes" or "no" answer.

Based on the experience of using Decision Maker's checklist as a core questionnaire in the Pacific Northwest Smart Grid Demonstration project, the following conclusions were made:

- update the current checklist based on James Mater’s paper “GWAC Decision Makers Checklist – Proposed Additions,”
- integrate further efforts with the development of the Interoperability Maturity Model
- tie abstract interoperability concepts to real life examples from the electric power system to foster discussion and improve understanding.

James Mater noted that merging these two efforts would add depth to the checklist. Ron Melton agreed that these two documents need to be consistent with one another.

Actions:

- Update the Checklist based on the proposed additions by Mr. Mater
- Continue the discussion of a possibility to merge Decision Maker’s checklist and Interoperability Maturity Model efforts to determine the next course of action.

Interoperability Maturity Model (IMM)

Steve Widergren, principal engineer, PNNL

Mr. Widergren introduced a draft of a smart grid IMM framework with three areas of concern: configuration and evolution; operation; and security and safety where goals have to be defined in each of the following categories: organizational, informational, and technical. Currently, the focus is on determining the goals and next step would be bringing the discussion to the broader community.

Planned activities are: SG IMM panel during GridWise Expo on May 27, 2010 and “Interoperability for a Smart Grid” session during IEEE PES General meeting in July, 2010.

Actions:

- Create a base model by ConnectivityWeek.
- Create a workshop in August-September to engage the community.
- Organize SG IMM panel /round table discussion during Grid-Interop 2010

Grid-Interop 2010

Ron Jarnagin, GWAC Administration

Ron Jarnagin reported on the activities taking place in preparation for the fourth Grid-Interop Forum. In order to guide the content more this year and to be consistent with the GWAC focus on the upper levels of GWAC Stack, four tracks were outlined: Business and Policy lead by Robert Burke, Information Operability lead by Dave Hardin, Basic Connectivity lead by Terry Mohn and Architecture (lead to be identified).

Program /Planning committee meets every week addressing different issues to ensure preparation for the event is on schedule making sure this forum will continue to be a successful annual event for large groups to “discuss the development, enhancement and implementation of the interoperable Smart Grid” and “to participate in actions that shape the future of interoperability.”

Actions:

- Issue Call for papers in April 2010
- Start identifying keynote speakers

GridWise Applied Awards

Ron Melton, GWAC Administration

Ron Melton has noted that this award is given during ConnectivityWeek event to an individual or a company who “funds, develops, adopts affecting real world implementation while directly addressing one or more of the constitutional principles and does not violate any of them; makes work widely available; and actively coordinates with GWAC while engaging a wide group of stakeholders. Council members were asked to think of those who advocates “along with the Council” and submit their name to Ron Melton by May 5, 2010. Nominating committee: Erich Gunther, Tom Sloan and Ken Wacks.

Nominating Committee will discuss the candidates and will make a recommendation to the Council seeking their approval.

Actions:

- Conduct the selection process.

GridWise Expo

Ron Melton, GWAC Administration

Track “Ensuring Smart Grid Success” is being organized by the Council members during Grid-Wise expo at the ConnectivityWeek 2010 in Santa Clara, CA with four following sessions: “What is interoperability and why do we care about it” to be presented by Ron Ambrosio, “Interoperability concerns for business and policy” to be presented by Wayne Longcore, “Technical interoperability” to be presented by Rik Drummond and “Interoperability conformance testing” to be presented by James Mater.

Dr. Melton mentioned that this is a first cut on “Interoperability 101” educational session discussed during face to face meeting in January 2010.

Actions:

- Schedule a webinar “dry run” of all four presentations in early May.

Smart Grid (SG) Manifesto

Wayne Longcore

Wayne Longcore invited the Council to a discussion that originated during SGIP meetings addressing the future of the smart grid and answering questions like “Will the devices producing/consuming energy get smarter without SG? What is a SG? Where should it be going? What does it mean to policy and regulation? Smart cars- is this an economical decision? Problems that utilities are facing as to who regulates, who sells the energy, social responsibilities.”

Council members agreed that it is an important subject and suitable problem for the GWAC to address. Ron Ambrosio said that it is appropriate and “in line with looking beyond interoperability.”

Action:

- Further this discussion during face to face meeting on how to proceed.

SGIP collaboration: issues and actions update

Jerry Fitzpatrick, NIST

Dr. Fitzpatrick reported that draft Charter for DEWGs will be presented during next SGIP meeting. Ron Ambrosio noted that it needs to be noted in this Charter that GWAC prompted this activity. “There is a need for the formal identification of the DEWGS – GWAC relationship,” said the Chairman.

Steve Widergren said that Council was very instrumental in driving Business and Policy DEWGs and this area is available. It was noted that round table addressing smart grid and interoperability policy involving SGIP and NARUC will take place in the summer of 2010; and formulating policy statements could be DEWGs-NARUC activity.

Next GWAC face to face meeting

It was announced that next GWAC face to face meeting will take place in Denver, CO on June 1-2, 2010. Preliminary agenda included: Decision maker’s checklist and SG IMM status update, GWAC Constitution discussion status and the following guest speakers: ISO/RTO Council and Matt Futch from the CO Governor’s Energy Office.

Summary of the Action Items

Action Item	Assigned To	Due Date
<u>Constitution update:</u> <ul style="list-style-type: none"> – Develop a script to be used during interviews – Identify key people across different stakeholder categories to be interviewed. – Make assignments among Council members and establish schedule with the regular progress check. 	Ron Jarnagin GWAC	
<u>Outreach:</u> <ul style="list-style-type: none"> – Plan the outreach activities: – GridWise® Expo (track “Ensuring Smart Grid Success”, IMM), GridWeek (?), Grid-Interop 2010 (planning in process), Connectivity Week (IMM), and GridWise Forum (?). 	GWAC members	March 2010
<u>Grid-Wise Expo</u> <ul style="list-style-type: none"> – Presentations dry run 		March 2010
<u>GridWise Applied Awards</u> <ul style="list-style-type: none"> – Conduct the selection process 		March 2010
<u>Grid-Interop 2010:</u> <ul style="list-style-type: none"> – Issue call for papers and preliminary publicity – Start identifying keynote speakers 	GWAC Administration	March 2010
<u>Check list Update</u> <ul style="list-style-type: none"> – Update the Checklist with the suggestions from James Mater’s 2009 paper – Continue the discussion of a possibility to merge Decision Maker’s checklist and Interoperability Maturity Model efforts to determine the next course of action. 	Working group/ GWAC Administration	TBD
Coordinate publications of the technical papers submitted to Grid-Interop 2009.	Ron Jarnagin Dave Hardin	April 2010

Action Item	Assigned To	Due Date
<u>Define “Interoperability 101”</u> GridWise® Expo (track “Ensuring Smart Grid Success”)	GWAC members/ GWAC Administration	
<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
<u>IMM</u> – Create a base model – Create a workshop to engage the community – Explore GI 2010 venue	IMM team	May 2010 August- September