



GridWise Architecture Council Meeting Washington, DC

September 22, 2008

Meeting Minutes

Council member Ron Ambrosio chaired the meeting on behalf of Chairman Jack Mc Gowan from 9:00 a.m. – 12:00 p.m. on Monday, September 22, 2008.

Present

Architecture Council Members

Ron Ambrosio, IBM T.J. Watson Research Center
Joe Bucciero, KEMA Consulting
Rik Drummond, Drummond Group
Erich Gunther, EnerNex Corporation (at end of meeting)
David Hardin, Invensys Process Systems
Alex Levinson, Lockheed Martin
Richard Schomberg, Electricite de France
Ken Wacks, Broadband Energy Networks

Architecture Council Support - PNNL

Steve Widergren, Ron Melton, & Heather Kuykendall (via telecom)

Speakers and Guests

Rahim Amerkhail, FERC
Jim Baker, BAE Systems (via telecom)
Rick Decker, Florida State University
Jerry FitzPatrick, NIST
Joe Hughes, EPRI (via telecom)
Jeff Katz, IBM
Srinu Krishnamurthy, Eka Systems
Terry Oliver, BPA
Mike Oldak, EEI
Ray Palmer, FERC

Members Not Present

Nora Mead Brownell, BC Consulting
Stephanie Hamilton, Southern California Edison
Lynne Kiesling, Northwestern University
Jack Mc Gowan, Energy Controls, Inc
Russell Robertson, Tennessee Valley Authority

Proprietary Information Notice

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

Meeting Minutes Approval

The minutes from the August 7, 2008 meeting were approved with no changes. All meeting minutes are available at <http://www.gridwiseac.org/meetings/meetingminutes.aspx>.

Upcoming Meetings

- October 31, 2008 – web meeting from 12:00 – 2:00pm EST
- November 11-13, 2008* – Grid-Interop 08, Atlanta, GA (potential for GWAC meeting on Nov 10 or 14, however, Grid-Interop will require the attention of the planning committee)
- November 14, 2008* – possible face-to-face meeting in Atlanta, GA
- December 9-10, 2008* – possible face-to-face meeting, location TBD
- February 10-11 or 11-12, 2009* – possible face-to-face meeting, location TBD

Action Item:

- *Heather Kuykendall will check with the entire Council for consensus on which of these timeframes are best for a face-to-face meeting.

GridWeek Activities

The Council is involved in several activities during GridWeek, primarily in the “Interoperability of the Smart Grid” track on Wednesday, 24 Sep 08.

NIST Interop Framework Status & DEWG Coordination

Jerry FitzPatrick reported that the Domain Expert Working Groups (DEWGs) have memberships now of over 60 participants in total. Andy Owens and Larry Carmichael, from Plexus, will pull together the Standards KnowledgeBase and Standards Landscape Map with the cooperation of the DEWGs. A draft of the KnowledgeBase and Landscape are expected to be released on November 4.

The co-chairs of the various DEWGs are meeting on 25 Sep 08 to prepare for a general meeting of the DEWGs in Washington, DC, the following day (26 Sep 08). A mission and objectives document has been drafted for the Business & Policy DEWG. Initial members are being solicited. Mike Oldak requested to join the the Business & Policy DEWG.

Grid-Interop Planning Status

On the publicity front, Ken Wacks plans to write an article for publication in iHomes & Buildings. Steve Widergren will send Ken some GWAC background information in October to make the November edition. Jack McGowan and Steve Widergren will contribute articles for a November Automatedbuildings.com feature on Grid-Interop. Others are welcome to volunteer contributions.

Planning discussions are starting with Energetics on workshop facilitation at Grid-Interop. We will need to balance the participants in the various breakout sessions. Steve will ask Clasma Events for

each attendee to specify an interest group as a part of the registration process. A request was made to look at an opportunity to present wireless and BPL in home systems. Steve Widergren will work with Ken Wacks on this issue. Jerry FitzPatrick noted that Stu Katzki will lead the Secure Systems session for Keith Stouffer, who is unable to make the meeting.

It was suggested to consider a session on business process modeling approaches. Alex Levinson, Rik Drummond, Dave Hardin volunteered to help with this. Ron Melton will coordinate this effort, and present the team's ideas at the next meeting.

Interoperability Benefits Papers

Next due dates:

- Financial Benefits: Comments were provided back to Harbor Research on their first draft, and the second draft is expected in early October.
- Reliability Benefits: Alison Silverstein will submit the first draft in early October.
- Environmental Benefits: eSource will submit their first draft on September 26.

Edison Electric Institute (EEI) is writing a consumer benefits paper addressing the value that distribution automation could bring to consumers. They want a paper that is balanced and does not reflect only the utility perspective. The outline of the paper should be completed soon. Steve Widergren has provided input to Mike Oldak on the interoperability aspect of consumer benefits.

Endorsement/Support Policy

Steve presented the endorsement and support policy document to the Council. Regarding potential conflicts of interest, the Council should review the endorsement and vote. Ron Ambrosio suggested that the first bullet under "Other Noteworthy Guidance" state that a member may make a personal endorsement and include their affiliation and can mention membership in the GWAC. The second bullet in this section should state GWAC members are to be informed in a timely manner. Any endorsement should be reported at the following GWAC meeting. A bullet about the enduring nature and complexity or ambiguity of the endorsement should be added to the bullets under the "Criteria" section. The document was approved 8 for and 0 against with these changes.

Action Item:

- Steve Widergren will update the endorsement and support policy document with the changes noted in the 22 Sep 08 GWAC meeting. Due 31 Oct 08.

Outreach and Liaison Reports

GWAC Liaisons

GridWise Alliance: The GridWise Alliance Interoperability Working Group is developing a point of view on interoperability for the alliance member companies, and is gathering feedback from the member companies via a survey. Ron will distribute the survey to the council requests comments by 25 Sep. Ron hopes to have a first draft of the results at Grid-Interop. Ron or Heather will send this to the Council. Steve and Ron will talk about where to fit this into Grid-Interop.

EPRI IntelliGrid: SmartGrid roadmaps for utilities are being completed. The core focus is how interoperability plays a role in supporting the evolution of the systems to protect the investment in the asset. They are about to publish some of the common threads that cut across the different utilities. They found that smaller utilities don't think they can afford interoperability. They tend to

believe they are better off locking into a specific vendor. See <http://www.intelligrid.info> for more details. All of the information is in the public domain.

UCA Users Group: They recently released a Home Area Networks specification in which the GWAC Interoperability Framework is explicitly mentioned, and it is also being used for AMISEC (Advanced Metering Infrastructure Security) Framework. A security framework is being put in place to cover most electric utility-oriented smart grid applications. There are various organizations funding the effort to try and accelerate AMISEC. The overall effort is UTILISEC. The next face-to-face meeting is October 21-22. There are teleconferences every couple weeks.

FERC: FERC has some folks working with NIST on cyber security issues. There have been some recent filings regarding putting synchrophasors in fiber optic networks. There have been some other smart grid related filings for this at the transmission level (Dominion and PHI).

Action Item:

- Ron Ambrosio will send GWAC members the GWA survey on interoperability points of view by 25 Sep 08. Ron and Steve Widergren to coordinate how this may be presented at Grid-Interop.
- Heather Kuykendall will add UCA User's Group to metric list of organizations using GWAC material.

GWAC Recent Outreach

Smart Grid Metering West Coast: Rik Drummond attended conference on August 18-19.

PHEV/EV: Erich Gunther reported that SAE and the automobile industry is looking at use cases for standardization of PHEV charging integration with the electric system.

GWAC Upcoming Outreach

GridWeek: (see "GridWeek Activities" section)

EI Smart Grids: Steve Widergren will attend this meeting on October 6.

DR Expo: Jack Mc Gowan will attend this meeting on October 7.

Grid-Interop: (see "Grid-Interop Planning" section)

DistribuTECH: Erich Gunther plans to lead a "Smart Grid University" course during DistribuTECH on January 22-24, 2009. Ron Ambrosio will present the OlyPen demonstration project.

AERTC is meeting in November. Ron Ambrosio and Rob Pratt will be presenting.

T&D World University is taking place 27 Oct 08, in Dallas. Rik Drummond is speaking on conformance.

Summary of New Action Items

Item	Owner	Due Date
Check with the entire Council for consensus on which timeframes are best for a face-to-face meeting.	Kuykendall	15 Oct 08
Update the endorsement and support policy document with the changes noted in the 22 Sep 08 GWAC meeting.	Widergren	31 Oct 08
Send GWAC members the GWA survey on interoperability points of view. Ron and Steve Widergren to coordinate how this may be presented at Grid-Interop.	Ambrosio & Widergren	25 Sep 08
Add UCA User's Group to metric list of organizations using GWAC material.	Kuykendall	31 Oct 08