



## GridWise Architecture Council Web Meeting

October 31, 2008

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### Meeting Minutes

GWAC Administrator Steve Widergren chaired the meeting on behalf of Chairman Jack Mc Gowan for the second half of the meeting which was held 9:00 a.m. – 12:00 p.m. on Friday, October 31, 2008.

#### Present

##### Architecture Council Members

Nora Mead Brownell, BC Consulting  
Joe Bucciero, KEMA Consulting  
Rik Drummond, Drummond Group  
Erich Gunther, EnerNex Corporation  
Lynne Kiesling, Northwestern University  
Alex Levinson, Lockheed Martin  
Jack Mc Gowan, Energy Controls, Inc  
Russell Robertson, Tennessee Valley Authority  
Ken Wacks, supported by GridPlex

##### Architecture Council Support - PNNL

Steve Widergren  
Ron Melton  
Ron Jarnagin  
Heather Kuykendall

##### Speakers and Guests

Anto Budiardjo, Clasma Events  
Jerry FitzPatrick, NIST  
Joe Hughes, EPRI  
Mike Oldak, EEI

##### Members Not Present

Ron Ambrosio, IBM T.J. Watson Research Center  
Stephanie Hamilton, Southern California Edison  
David Hardin, Invensys Process Systems  
Richard Schomberg, Electricite de France

## 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 September 22, 2008 meeting were approved with no changes. All meeting minutes are available at <http://www.gridwiseac.org/meetings/meetingminutes.aspx>.

## Upcoming Meetings

- November 11-13, 2008 – Grid-Interop 08, Atlanta, GA
- December 12, 2008 – web meeting, 9:00 – 11:00 a.m. PST
- January 15-16, 2008 – face-to-face meeting, Phoenix, AZ
- March 6, 2008 – web meeting, 9:00 – 11:00 a.m. PST

Action Item:

Heather Kuykendall will send a calendar item to Council members for the January meeting and contract with venue, ensuring government-rate hotel through Friday night. (due 12 Dec 08)

## Grid-Interop Preparations

### Planning Committee

The Grid-Interop Planning Committee continued weekly conference calls, and held a face-to-face meeting at the site in Atlanta on October 15. They plan to meet on Monday, November 10 prior to Grid-Interop.

### Speakers

Speakers have been confirmed in all available slots, except for a lunch speaker on November 12. Nora Brownell will follow up with FERC Chairman Wellinghoff, to see if he will speak in that opening with a presentation on plug-in electric vehicles. As an alternative, Mike Oldak will approach a speaker from the battery industry. Lynne Kiesling mentioned that Project Better Place ([www.projectbetterplace.com](http://www.projectbetterplace.com)) is proposing a network of stations to swap out batteries as needing instead of drivers charging the batteries themselves. This would also be an interesting speaker choice. Speaker introduction assignments have been selected.

### Logistics

Anto reported that 110 workshop participants have registered so far, and most speakers have not yet registered. Attendance is expected to be 160-200, slightly higher than last year's Grid-Interop. Approximately 50 abstracts were received, which resulted in 27 papers and 29 presentations planned for the event.

### Paper Awards

Track Leads and administration ranked all papers submitted to Grid-Interop. A primary and backup winner will be identified for each award, and will be assigned next week. A teleconference will be scheduled to confirm the selections.

**Action Item:**

Steve and Ron Melton will schedule teleconferences with the Track Leads to confirm the best paper selections. (due 4 Nov 08)

**NIST Workshop and DEWG Status**

Four Domain Expert Working Groups (DEWGs) will meet at the NIST workshop: Buildings to Grid (B2G), Industrial to Grid (I2G), Home to Grid (H2G), and Transmission & Distribution (T&D). Four workshop sessions have been organized to facilitate the technical input needed for the NIST report to Congress. An additional working group on Cyber Security has been added to provide input to Jeff Dagle (PNNL) for a report to Congress on the state of smart grid cyber security. Ron Melton composed four questions for the Business and Policy (BnP) DEWG that Steve and Jerry will review with the other teams to promote cross-correlation among the working groups.

Session 1 – The first session will focus on information gathering. A worksheet template will be provided to collect lessons learned, insights, and experiences pertaining to interoperability.

Session 2 – The goal of the second session is to consolidate the information from session 1 to establish consensus on the status of the domains.

Session 3 – The third session will create functional goals based on the current domain status'.

Session 4 (optional) – The fourth session may describe the value of the NIST program.

Report-outs will be presented on the third day of the workshop. These will be incorporated in the December progress report to Congress.

The DEWGs hold weekly teleconferences and held a joint meeting on September 26. The NIST contractor, Plexus, is supporting coordination among the DEWGs. A TWIKI was set up for DEWG collaboration. There have been some problems with passwords, but that is being worked out.

**Benefits Paper Status**

The next draft from Harbor Research is expected in early November. The review team will provide feedback to Esource very soon. The first draft from Alison Silverstein for the Reliability Benefits paper is now expected in early November.

EI has drafted an outline of their paper on consumer benefits. It is determined that their focus is on general smart grid benefits, and does not relate directly to interoperability. Nora Brownell will discuss GWAC involvement on this paper with Mike Oldak, but the Council agreed that a paper specific to consumer benefits and interoperability needs to be written separately from the EI paper.

**Action Item:**

Nora Brownell will discuss GWAC involvement in the EI smart grid benefits paper with Mike Oldak. (due 12 Dec 08)

**2009 Member Renewal & Chair Selection**

Council member terms for Bucciero, Hardin, Mc Gowan, Robertson, and Schomberg are ending this year. Members up for renewal are to send their interest to renew their 2-year term to Heather

Kuykendall by November 14. The Council Chair position is also renewing. Members are to send their nominations by November 30. Potential chairs must be nominated by two members other than themselves. A ballot will either be held electronically or at the December 12 web meeting. DOE then confirms the recommended Chair.

**Timeline:**

Members Renewal Confirmation	November 14, 2008
Call Material, Distribution List, & Posting Plan	November 21, 2008
GWAC Agreement to Proceed – Call Starts	December 1, 2008
Assemble Nominations Committee	December 12, 2008
Candidate Call Period – Call Ends	December 31, 2008
Nominee Selection	January 16, 2009
Nominee Confirmation	January 21, 2009

Action Items:

- Members with expiring terms will submit their interest to renew their term to Heather Kuykendall. (due 14 Nov 08)
- Members will submit their nominations for Council Chair to Heather Kuykendall. (due 30 Nov 08)

## Outreach and Liaison Reports

### GWAC Liaisons

GridWise Alliance (GWA): Kathryn Hamilton was named the new president of the GWA. The membership of the Alliance has increased to 75 members.

EPRI IntelliGrid: EPRI is working with NIST. Three representatives from EPRI will present at Grid-Interop.

FERC: Representatives sit on the Business & Policy DEWG as observers. Lynne was invited to participate in a FERC/NARUC Collaborative session in New Orleans. Jerry FitzPatrick is also involved in the session. Lynne will invite Nora Brownell.

OASIS is interested in a liaison with the GWAC and close ties with the GridWise Alliance. Ron Ambrosio has been in contact with them to discuss a Memorandum of Understanding with the GWA.

ISO: Ron Ambrosio is obtaining a letter from the International Standards Organization (ISO) to be a liaison with GWAC on issues of interoperability. The topic will be added to the December agenda.

Action Items:

- Ron Ambrosio to get letter from ISO requesting a liaison with the GWAC. (due 5 Dec 08).

**GWAC Recent Outreach**

EEI T&D&M Conference: Rob Pratt and Jerry FitzPatrick attended this meeting on October 6 in Seattle.

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

**GWAC Upcoming Outreach**

Grid-Interop: (see “Grid-Interop Preparations” section)

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

DR Expo: Jack Mc Gowan is attending this conference on December 8-9 in Toronto, Ontario.

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.

AHR Expo: A few Council members will be involved in this event on January 26-28 in Chicago. A B2G meeting may also be co-located with this conference.

IEEE PSCE: This event is in Seattle on March 15-18.

**Interoperability Maturity Model**

The NEHTA Interoperability Maturity Model is addressing similar problems with integrating heterogeneous systems in the health industry and we have with smart grid. The approach is patterned after the Software Engineering Institute’s Software Capability (SEI) Maturity Model. The work was mentioned earlier in the year. It offers a way to measure progress to improve interoperability. The Council is requested to read the maturity model of the Australian health interoperability (see slides of the meeting).

Steve will ask Austin Montgomery from SEI to discuss this at the January meeting. Jerry agreed that this could be helpful for NIST interoperability framework efforts. The working groups could use this material, and education on maturity models is the first step.

Action Item:

Steve will consider a presentation on the Interoperability Maturity Model and invite Austin Montgomery (SEI) to present background on the CMM at the January GWAC meeting. (due 12 Dec 08)

**Summary of New Action Items**

Item	Owner	Due Date
Heather Kuykendall will send a calendar item to Council members for the January meeting and contract with venue, ensuring government-rate hotel through Friday night.	Kuykendall	12 Dec 08
Steve and Ron Melton will schedule teleconferences with the Track Leads to confirm the best paper selections.	Widergren & Melton	4 Nov 08
Nora Brownell will discuss GWAC involvement in the EEI smart grid benefits paper with Mike Oldak.	Brownell	12 Dec 08
Members with expiring terms will submit their interest to renew their	Bucciero, Hardin,	14 Nov 08

term to Heather Kuykendall.	Mc Gowan, Robertson, and Schomberg	
Members will submit their nominations for Council Chair to Heather Kuykendall.	All Council members	30 Nov 08
Ron Ambrosio to get letter from ISO requesting a liaison with the GWAC.	Ambrosio	5 Dec 08
Steve will consider a presentation on the Interoperability Maturity Model and invite Austin Montgomery (SEI) to present background on the CMM at the January GWAC meeting.	Widergren	12 Dec 08