



**GridWise Architecture Council Meeting
Web Meeting, hosted by PNNL, Richland, Washington
June 10, 2005**

Meeting Minutes

Prepared 13 June 2005

The meeting was held from 8:00am to 10:00am Pacific Time and led by Rik Drummond, GWAC Chairperson. The following individuals were present:

Architecture Council Members

Ron Ambrosio, IBM T.J. Watson Research Center

Jay Britton, AREVA-T&D Corporation

Rik Drummond, Drummond Group Inc.

Stephanie Hamilton, Southern California Edison

Larsh Johnson, eMeter Corporation

Lynne Kiesling, Center for Applied Energy Research, IFREE and Northwestern University

Eric Wong, Cummins Inc.

Architecture Council Support

Steve Widergren, PNNL

Mia Bosquet, PNNL

Not Present

David Cohen, Albert Esser, Erich Gunther, Jack McGowan, Don Watkins, and Wade Troxell could not attend.

Proprietary Information Notice

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

Welcome Dr. Lynne Kiesling

Dr. Lynne Kiesling was welcomed to the Architecture Council, with her appreciable expertise in industrial economics, regulation, and experimental economics.

Review and Approve 03-04 May Meeting Minutes

The minutes for the May 3-4, 2005 meeting were approved with no dissensions.

Constitution Interview Tracking and Preliminary Analysis

Approximately 40 Constitution Interviews have been conducted to date by GWAC members and administrative support. The interview results have been compiled in a database. Colored matrices are available to show overall degrees of agreement/disagreement with GWAC constitution statements. Interviewee comments on individual statements have been compiled to facilitate updating statements once the interview process is concluded. The sector representation of interviewees has also been compiled to ensure a broad and balanced pool providing input to the constitution. Currently, more representation should be sought covering industrial control systems.

Members are urged to continue completing their interviews, with the aim of a minimum of 5 interviews to be completed per member by June 30. Interviews can be conducted after June 30, if necessary. In particular, as planning proceeds for a Constitution Convention Meeting, key attendees and sponsors for that event may be interviewed.

Actions: Members with contacts in ERCOT or TXU are asked to send contact information to Rik Drummond. Members and support team are to proceed with constitution interviews, aiming to finish key target interviews by June 30. Mia Bosquet is to continue on-going compiling of interview results in view of preparing interim feedback summary in early July.

Constitution Convention Discussion

Members discussed the desired outcomes and possible meeting structures for a Constitution Convention meeting. The basic decision was to continue with the preliminary planning process at this time, in particular to establish a prospective agenda and statement about sponsorship.

Desired outcomes identified by Steve Widergren include:

- For GWAC
 - Visibility, influence, outreach
 - Stakeholder buy-in & partnership on path forward
 - Establish champions for future, cross-sector meetings
- For Attendees
 - Briefing on results of constitution process
 - Influence the direction
 - Synergy, coordination with interested others
- For Sponsors

- Visibility, influence, association with grid modernization
- Establish relationships with GridWise “players”
- For DOE
 - Demonstrable progress for OE
 - Public recognition & support for GridWise program

Other desired outcomes suggested include:

- Further consolidate a common view on issues and rules on moving forward with the GWAC Constitution
- Seeing champions for these ideas emerging (in related sectors, standards areas, trade groups...)
- Increasing the visibility of the GWAC’s neutrality
- A key value for participating groups could be a registry of groups that are present at the Constitution Convention, with their elevator stories and contact information (a common directory of related organizations and efforts)
- A unique cross-sectional opportunity to learn what others are doing.

The basic format suggested is a 1 ½ day meeting with a focus on the GWAC Interoperability Constitution and on Grid Modernization Perspectives, with a combination of presentations and working groups, and a few gripping key notes. Additional suggestions regarding the format include:

- Time for people to present themselves and affiliated organizations. Have representatives from key participating organizations (those representing ‘communities’) provide a quick elevator story, so that each can learn what others are doing and issues they face related to GridWise interoperability.
- Side tables for sharing during breaks
- Alternating presentations and work sessions (after keynote and Constitution overview at the outset)
- A token ‘administrative’ fee may be necessary
- Maintain a manageable size (interviewees, sponsors, panel speakers/participants, invited guests, GWAC members)

Different levels and types of sponsors can be identified:

- For example: sponsors (funding and/or ‘promotional’), participants, key participants (e.g. interviewees), partner participants, partners
- People in standards groups, trade organizations, groups representing a community that are doing interoperability work

- Specific possible sponsors to contact include: GridWise Alliance (and/or specific member companies), EPRI/IntelliGrid, NARUC, CABA, CECA, PLMA, CEA, NRECA, CEC, NYSERDA, NEMA, EEI, FERC, USCHP, Alliance for Retail Choice, and key related Standards Organizations. EPRI already has indicated their interest in sponsoring this meeting.

Actions:

Members are to send ideas on organizations which would be excellent choices for participation in the Constitution Convention (what are 5-10 key groups to participate in the meeting?).

Rik is to provide Steve with contact to key person in OASIS.

Steve Widergren and Mia Bosquet are to draft a prospective agenda and statement about sponsorship for the Constitution Convention. A meeting will be scheduled to continue discussing the Constitution Convention and make a go—no go decision in late June.

Next meeting logistics

The next face-to-face meeting is scheduled for September 7-8 or 12-13, 2005 in Washington, DC.

The topics to be scheduled include:

- On-Going Topics
 - Interoperability
 - Constitution
 - Illustrative Scenarios
 - Elevator Story
 - Outreach: Events & Activities
- Planning
 - Constitution Convention
- Tentative Presentations
 - IT security (Possibilities: IETF Rik Drummond contact, INEL – SCADA security – Steve Widergren contact, NIST – Mia Bosquet contact, PCSRF – Erich Gunther contact)
 - Congressional and/or other policy people

Interoperability

A literature search on levels of interoperability revealed a number of definitions, levels of interoperability, and key issues. An Interoperability Working Group was assembled to address these notions within the GWAC context, first in an internal whitepaper, then external material.

Actions: Ron Ambrosio is to send material from the ISO/IEC JTC to Mia Bosquet to be included in the literature search material. Rik Drummond, Ron Ambrosio, Wade Troxell, and others interested in participating will schedule an initial meeting in early July.

Illustrative Scenario

Illustrative Scenario work has been overshadowed by Constitution Interviews recently. Once the push for interviews is completed, Jack McGowan will convene a conference call to lay out summer objectives for Illustrative Scenarios.

Communication

Some options for obtaining assistance in GWAC communications and marketing have been identified. The general need for communications assistance ties in with needs related to the Constitution Convention, so these avenues will be explored as we progress toward organizing a Constitution Convention Meeting.

The GridWise Architecture Council Website now has a high level url: www.gridwiseac.org . *Action: Anyone knowing of a website linked to the old url should request that the link be updated.*

Events & Activities

Rik Drummond and Steve Widergren met with **IntelliGrid** representatives in Dallas in May, explaining the GWAC's need to remain neutral. IntelliGrid representatives appreciate the GWAC's need to progress deliberately and in a balanced manner with liaisons in order to respect their neutrality, but EPRI is also eager to find specific areas to work together.

Ron Ambrosio will be interviewed by **Computer World** on the topic of the Self-Healing Grid.

In the residential building and home consumer sector, several efforts and events are progressing. **CABA** has put together a team for the **ConnectedHome Roadmap Project**. Initial results from this project should be presented at the Connected@Home Conference in Las Vegas in October 2005. There is also a Connect2005—Intelligent Building conference in Anaheim in late June. It may be worthwhile to stay abreast of these activities. *Action: Mia Bosquet is to forward information from CABA to Ron Ambrosio and check with Jack McGowan on his possible knowledge of these efforts.*

Larsh Johnson explained that Demand Response has been clearly identified as an objective by the **Ontario Energy Board**, whose target is to install smart meters for all Ontario customers by 2010. As part of the strategy toward meeting these objectives, the OEB is working on related electronic business and smart meter standards, quite pertinent to GWAC concepts. Initial material available from the OEB can be found on the GWAC SharePoint website.

The Association of Energy Service Professionals has issued a call for papers for the 16th **National Energy Services Conference and Exposition**. It may be appropriate for the GWAC to present a paper or provide a keynote speech or host a plenary session at this event. *Action: Stephanie Hamilton is to contact Elliot Boardman to consider the appropriate place for GWAC presence at this event.*

Action Items

Members are encouraged to keep track of action items for which they are 'owners'.

New Action Items:

#	Item	Owner	Due Date
92.	<i>Members and support team are to proceed with constitution interviews, aiming to finish key target interviews by June 30.</i>	Members	30 Jun
93.	<i>Mia Bosquet is to continue on-going compiling of interview results in view of preparing interim feedback summary in early July.</i>	Bosquet	8 Jul
94.	<i>Members with contacts in ERCOT or TXU are asked to send contact information to Rik Drummond.</i>	Members	30 Jun
95.	<i>Members are to send ideas on organizations which would be excellent choices for participation in the Constitution Convention (what are 5-10 key groups to participate in the meeting?).</i>	Members	27 Jun
96.	<i>Rik is to provide Steve with contact to key person in OASIS.</i>	Drummond	5 Jul
97.	<i>Steve Widergren and Mia Bosquet are to draft a prospective agenda and statement about sponsorship for the Constitution Convention. A meeting will be scheduled to continue discussing the Constitution Convention and make a go—no go decision in late June.</i>	Widergren Bosquet	30 Jun
98.	<i>Ron Ambrosio is to send material from the ISO/IEC JTC to Mia Bosquet to be included in the literature search material.</i>	Ambrosio	8 Jul
99.	<i>Rik Drummond, Ron Ambrosio, and others interested in participating in Interoperability Working Group will schedule an initial meeting in early July.</i>	Drummond Ambrosio	8 Jul
100.	<i>Anyone knowing of a website linked to the old url should request that the link be updated.</i>	Members	30 Jun
101.	<i>Mia Bosquet is to forward information from CABA to Ron Ambrosio and check with Jack McGowan on his possible knowledge of ConnectedHome efforts.</i>	Bosquet Ambrosio McGowan	30 Jun
102.	<i>Stephanie Hamilton is to contact Elliot Boardman to consider the appropriate place for GWAC presence at this event.</i>	Hamilton	done