



**GRIDWISE** Architecture Council

## GridWise Architecture Council Meeting

**March 7-8 in Las Vegas, Nevada**

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### Meeting Minutes

Prepared 16 March, 2007

The meeting was held from 7 to 8 March 2007 and led by Jack Mc Gowan, GWAC Chairman. The following individuals were present:

#### **Architecture Council Members**

All active Architecture Council members were present for some portion of the meeting.

Ron Ambrosio, IBM T.J. Watson Research Center  
Joe Bucciero, KEMA Consulting  
David Cohen, Infotility  
Rik Drummond, Drummond Group  
Erich Gunther, EnerNex Corporation  
Stephanie Hamilton, Southern California Edison  
Dave Hardin, Invensys Process Systems  
Lynne Kiesling, Northwestern University (7 March only)  
Mike McCoy, Becker Capital Management  
Jack Mc Gowan, Energy Controls, Inc.  
Russell Robertson, Tennessee Valley Authority  
Richard Schomberg, Electricite de France  
Alison Silverstein, Consultant

#### **Architecture Council Support**

Steve Widergren, PNNL  
Heather Kuykendall, PNNL

#### **Guests**

Lena Kannappan, FuGen Solutions, representing the Liberty Alliance  
Anto Budiardjo, Clasma Events  
Jon Wellinghoff, FERC Commissioner  
Gary Wayne, PowerLight Solar Electric Systems

#### **Not Present**

Olga Kuchar, PNNL

### **Welcome and Introductions**

Jack Mc Gowan was introduced as the new GWAC Chairman, and a renewed council member. Steve Widergren recognized past Chair, Rik Drummond, for his exemplary leadership and service to the Council with a plaque and a gift of appreciation (which he subsequently shared with the other council members).

Joe Bucciero, Russell Robertson, and Richard Schomberg were presented as new council members, and introduced themselves to the council. All council members received GWAC business cards for use at meetings and during encounters related to our cause.

## Proprietary Information Notice

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

## Meeting Minute Approval

The minutes for the January 22, 2007 web meeting were approved without changes.

## Upcoming GWAC Meetings

The next GWAC face-to-face meeting is scheduled for the first day of GridWeek on April 23, 2007 in Washington, D.C. Other important meeting dates are as follows:

April 11-12 – Interoperability Framework Workshop in Dallas, Texas

April 23 – Short GWAC face-to-face meeting, combined with GridWeek, in Washington, D.C.

May 22-23 – GWAC face-to-face meeting, combined with the GridWise Expo, in Chicago, IL

July 13- web meeting from 8 – 10 am PST

August/September 2007 – Interoperability Symposium, location TBD

October 18-19 – GWAC face-to-face meeting in Austin, Texas

## May Meeting Arrangements

Since the May GWAC meeting is being co-joined with Connectivity Week and the GridWise Expo, we are planning a full day meeting on 22 May and a half day meeting after the Connectivity Week plenary session on 23 May. Being in Chicago, Lynne Kiesling is coordinating the guest speaker arrangements.

Lynne proposed a theme of complex adaptive systems and multi-agent approaches. Potential guest speakers for this meeting were discussed:

- Lynne Kiesling suggests Mike North from Argonne National Laboratory to speak on agent-based system work relating to markets, Bill Rand from Northwestern University (NECO) to speak on genetic algorithms, and Marija Zivanovic or Bob Lieberman (Illinois Commission) could discuss policy approaches. As potential dinner hosts and speakers Airtricity (wind energy - Lynne knows the general manager) or Direct Energy (retail policy advocacy) were mentioned.
- Other recommended speakers include Dave Cohen to present the ConEd Project, Stan Johnson from NERC (since he was unable to attend this meeting), and Catherine Allen from BITS.
- Jack Mc Gowan suggests a speaker from Siemens (Rick Leblond), who will be giving a keynote speech during Connectivity week, and Glen Almendinger from Harbor Research, who will also be at the M2M Conference.
- Ron Ambrosio recommends Phillip Delome from Schneider Electric or someone from Rockford Co. on the topic of Power Measurement.
- Richard Schomberg has contacts with Exelon from team who were engaged in the CEIDS/IntelliGrid work.

- Chris Thomas was recommended to speak on consumer advocacy.

Some of these recommendations could be good speakers to consider for the GridWise Expo and for future GWAC meetings.

## October and Future Meeting Arrangements

Alison Silverstein will help coordinate the October GWAC meeting targeted for Austin, TX. The targeted dates were set at 18-19 October 07. Alison will look into having guest presentations and possible hosting from Roger Duncan at Austin Energy and from Airtricity. She will also look into a tour of a LEEDS certified facility and a green, renewable energy guest speaker.

Suggested speakers/locale for other upcoming meetings include,

- Alison Silverstein suggests Boston, MA, where Constellation Energy, and possibly National Grid, could give presentations.
- Raleigh, NC was also recommended as a possible meeting location where ABB North America, is located.
- Hawaii was suggested for its use of micro-grids and alternative energy. In October they have a Hawaii Energy Showcase. Bill Parks was recommended as a local speaker for that topic.

*Action Items: Olga Kuchar will coordinate with council members to confirm speakers for the upcoming meetings.*

## Outreach and Liaison Reports

### GridWise Alliance Liaison Report

Ron Ambrosio provided an update on the GridWise Alliance.

- Guido Bartels, IBM Energy & Utilities Global Markets, has been elected as Chairman of the Board.
- Marija Zivanovic, also from IBM E&U GM, is directly involved in GridWise Alliance activities. She has been working with Ron Ambrosio in an IBM Policy/Regulatory planning committee.
- GridWise Alliance is very active in GridWeek planning.
- Accenture is in the process of becoming a member of the GridWise Alliance, and Microsoft has expressed interest in the Alliance. Their Washington, DC Government Programs group has attended a few meetings.
- A goal of the Alliance is to establish a bi-cameral, bi-partisan smart grid caucus by late 2007.
- A 501c3 organization is also being formed that will allow non-profit groups who cannot lobby Congress to coordinate on GridWise topics (e.g., BPA, PNNL and other such entities).

### EPRI Liaison Report

Erich Gunther provided an update on EPRI activities.

- A number of IntelliGrid implementation projects are continuing.
- Richard Schomberg noted that EPRI IntelliGrid has been restructured: the fees are lower; there are more membership options; and greater outreach to other EPRI members. About 20 more members have joined the program.
- A new program has been announced called Dynamic System Management. This program emphasizes energy efficiency and demand response.

Action: Richard Schomberg to distribute the discussed EPRI link, and will consider arranging a presentation on the Dynamic System Management Program at a future meeting.

### Grid Modernization Collaborative Report

Ron Ambrosio, Erich Gunther, and Steve Widergren are participating in a coordination effort with several smart grid initiatives including the GridWise Alliance, EPRI, GridApp, and the Modern Grid Initiative. This is a collaborating group with participating organizations. It is not meant to be yet another smart grid organization with a membership structure. The Modern Grid Initiative Morgantown project is being used as an effort where several of these efforts can offer resources and show some cooperation. The last meeting, held in San Diego, included a proposal for the GWAC to use the draft interoperability framework as a project review tool for the information exchange designs at Morgantown and/or in the Pacific NW Demo project.

### Recent Engagements

- Jack Mc Gowan and Rik Drummond attended the AHR Expo 2007 on January 29-31 in Dallas, TX, and held a GridWise interoperability education session with Ron Jarnagin (PNNL). There is a write-up in the AHR Expo Directory as an Endorsing Organization.
- Jack Mc Gowan gave a presentation at a CABA conference on buildings to approximately 150 attendees.
- Erich Gunther chaired a smart grid panel session at DistribuTECH on February 4-6 in San Diego, CA. Steve Widergren also participated in this panel and Stephanie Hamilton and Erich participated in a panel session.
- Alison Silverstein and Dave Cohen represented GWAC at an ACORE teleconference.
- Alison Silverstein attended the NARUC Electricity Delivery Forum on February 21-22 in Washington, D.C.
- The American Council of Energy Efficiency published a report that Alison Silverstein co-authored, discussing the direct load control as a practical short-term energy solution.

Action: Lynne Kiesling is to distribute links to the latest Galvan Initiative report and an ACEEE report.

### Upcoming Engagements

- Lynne Kiesling will participate in the KEMA Executive Forum in San Antonio, TX, on March 8-9.
- Mike McCoy is arranging a presentation at the May meeting of the Pacific NW Utilities Conference Committee, discussing the role of business models (like Site Controls) for bringing demand-side alternatives into system operations.
- A colleague of Stephanie Hamilton from SCE will be presenting GridWise concepts at a Symposium of Micro-Grids in Japan.
- Lynne Kiesling will attend the Carnegie Mellon University Electricity Conference on March 13-14. Lynne will be giving a GridWise presentation, offering interoperability as a research possibility. The purpose is to interest academia on the right problems.
- Jack Mc Gowan will chair a panel on Zero Energy Buildings at Building Automation, co-located with the National Facility Manager's Conference, on March 22-23.
- Ron Ambrosio will present the GWAC framework at the IEEE PES General Meeting on June 24-28. Steve Widergren is chairing the panel.
- Erich Gunther will be speaking about GWAC and the framework at the upcoming Clemson Power Conference.

- Joe Bucciero is on the board of directors for the IREP Symposium in Charleston, NC, on August 19-24. Stephanie Hamilton will present GWAC at this engagement.
- Alison Silverstein and Lynne Kiesling to present GWAC at the PSERC meeting.

*Action Items: Joe Bucciero to forward abstract requirement to Stephanie Hamilton for the IREP Symposium. Council members will send their presentations and a short summary of activities to Heather Kuykendall or Olga Kuchar to be posted on the GWAC SharePoint calendar.*

## GridWise Expo Planning

ConnectivityWeek is May 22 – 24, 2007 in Chicago, IL, with the GridWise Expo track on May 24. A GWAC face-to-face meeting will precede the Expo on Tuesday, May 22, and continue on Wednesday, May 23, in the afternoon following the ConnectivityWeek plenary meeting. GWAC members will use the ConnectivityWeek room block for the hotel. Some suggested theme areas for the GridWise Expo are:

- Interoperability Framework panel moderated by Rik Drummond. Use this opportunity to capture involvement from Interoperability Workshop participants.
- Regulatory/Policy panel moderated by Lynne Kiesling and Alison Silverstein. Suggested topics include data availability (ownership), consumer advocacy, and regulator perspective (perhaps John Bohn of CPUC).
- Smart Grid Advances in Utility Practices panel moderated by Stephanie Hamilton with discussion with four utility companies, ten to fifteen minutes each. The people participating in the GridWeek 6 states, 6 successes session could be helpful here.
- End-Use Value Propositions from Interoperability moderated by Dave Hardin, Lynne Kiesling, and possibly Jack Mc Gowan. Involve consumer-side panelists, such as Walmart, as well as Site Controls, Converge, Carrier, CellNet, and FedEx/Kinkos. Another idea is to get a venture capitalist perspective on growth of business in this area.

## GWAC Directed Activities

DOE has set aside budget (\$250,000-300,000) with GWAC project administration for direction by the GWAC to advance work that advances their mission.

Suggestions will be presented to Eric Lightner for his review. Potential project categories include,

- 1) Analysis, research
  - a) Review projects using framework, checklists, principles
  - b) Develop interoperability issue whitepapers
- 2) Demonstration projects
  - a) Consistent with interoperability principles
  - b) Potential use of framework, checklists
- 3) Interoperability actions
  - a) Standards engagement
  - b) Policy engagement: regulatory, business

The Council brainstormed ideas for projects. The workshop, other events, and further thought by council members will likely generate additional ideas. Ideas captured from the meeting include,

- 1) Synthesize "green" and GridWise message
  - a) Support coordinated efforts with GridWise Alliance and other groups
- 2) Seed money for standards - category
- 3) ROI study of interoperability to apply to GWAC story
  - a) Look at other industries

- b) Extend knowledge base to include relevant ROIs on Interoperability
  - c) Can support message with success and disaster examples
  - d) Consequences of inaction to improve interoperability
  - e) Drummond - mentioned that the ROI on interoperability is looking significantly larger than the ROI in the Rand study on smart grids
  - f) Identify target audiences for ROI story (e.g., industry, technologist, business decision-maker, policy maker)
- 4) Develop framework concepts into checklists and assessment measures
    - a) Tailor to multiple audiences
  - 5) Education and training on interoperability concepts to "big" groups
    - a) Road shows, DVD, pod casts, conferences, web sessions...
    - b) Determine target audiences
    - c) Support with success and disaster stories and consequences of inaction
  - 6) Multi-agent simulation for research and outreach
  - 7) Apply framework/checklist to projects or standards effort
    - a) Test checklists and framework, etc.
    - b) Feedback to existing and new activities (EIPP, Pacific NW Demo, MGI Morgantown)
  - 8) Standards participation support
    - a) Identify key efforts
    - b) Pick one thing where advancement can be made
  - 9) Study ways to "value" the impact of a GWAC-inspired action

A comment was captured inappropriately as a project idea: To address a long list of ideas, a process should be considered to prioritize and select ideas for advancement.

A motion was made to consider commissioning reports on one to four topics.

- The environmental benefits of the GridWise vision
- The system reliability benefits of the GridWise vision
- The financial benefits of interoperability in the GridWise vision
- The end use benefits of the GridWise vision (transforming daily life)

Jack Mc Gowan summarized the nature of these four reports in an e-mail message. Based on these summaries, the members are asked to vote on two questions:

1. Should GWAC fund 1 or more of these reports
2. Which reports would you want to fund in order of priority and if you think one of the four is unnecessary please note.

*Action: Members are to submit their responses to the questions concerning the 4 reports by 20 Mar 07 to Steve Widergren who will summarize the responses. Should the responses indicate that any or all of the reports be considered for commissioning, then the project administrator will propose a course of action with projected cost for Council review and follow-up action.*

Suggested Resources for these papers:

- Richard Schomberg suggested EPRI study that was published in NY Times/Wall Street Journal regarding CO2 levels rising and six areas that will reduce emissions. Shows what is possible in a carbon constrained society in four sectors: smart grid enabler, distributing

system up to 30% distributed generation, new nuclear, and low-cost carbon capture technology.

- Steve Widergren suggested the use of PNNL studies on plug-in hybrids, GridWise demos, and others such as the RAND GridWise benefits study.
- Alison Silverstein recommended using the NEDRI modeling paper.
- CEC may have already completed related reports that should be compared.

*Action: Richard Schomberg to forward an EPRI study that was published in NY Times/Wall Street Journal regarding CO2 levels rising and six areas that will reduce emissions.*

A matrix evaluation was proposed to consider the audiences for these papers. On one axis are equipment vendors, software vendors, service providers, and policy makers and regulators. On the other axis are electric utility, buildings, and manufacturing/industrial. Populating this matrix will result in targeted audiences for engagement plans.

One engagement idea was to create a small (4 or 5 company) focus group to discuss the business benefits for interoperability related to the GridWise vision. For example, get Constellation, Siemens Honeywell, ABB, CISCO, and Schneider together to discuss their common benefits.

*Action: Rik Drummond and Jack Mc Gowan to propose an engagement strategy with a focus group of major suppliers with the objective of creating a business benefits message for GridWise interoperability.*

*Action: Mike McCoy is to propose names to the matrix of targeted groups for interoperability engagement. Russell Robertson is to discuss GWAC Principles with ISO contact.*

## Policy/Regulatory Team Progress

Lynne Kiesling gave an overview of the team's progress. They are waiting for key input from other Council members on the checklist. Ron Ambrosio and Erich Gunther have provided good technical feedback. Don Von Dollen has offered funding to help this task move forward. A small contract to complete a draft of the document was discussed with Alison Silverstein. The goal is to debut this document publicly at GridWeek. This will need to be completed soon with a quick review by the policy team and the rest of the GWAC.

## Liberty Alliance Identity Architecture (Guest Speaker: Lena Kannappan)

Lena Kannappan, CEO of FuGen Solutions, gave a presentation about the Liberty Alliance. The presentation is available for download from the GWAC SharePoint site and Council members should visit their website at <http://www.projectliberty.org>. The consortium's focus is to create federated identity and web services, in which privacy controls are built into the specifications, and compliance is enforced with global privacy legislation and industry regulations.

## Outreach Administration

The new GWAC website is currently under internal review at PNNL. The changes are targeted from a marketing perspective to increase awareness of Council activities, to showcase community development, and to make information easy to find on publications, press releases, and events. The website will be rolled out in three phases. The SharePoint has also been updated, and will be transitioned to a new software version (3.0) in the next few weeks.

*Action: All Council Members check the website and send to Olga Kuchar a current bio/photo.*

## GWAC Impact Metrics

Alison Silverstein offered a proposal for impact metrics that would reveal the level of influence and impact by the Council. The metric is to remain consistent over duration while measurements of the

metric would change over time and indicate trends. The metrics need to have relatively simple measurement mechanisms. The target is to initiate one to three metrics by the end of the year.

#### Metric Proposals

- Influence
  - The number of citations of GWAC material
  - The number of projects applying GWAC principles and framework
- Outreach
  - The number of GWAC engagements, such as presentations, briefings, and formal meetings
  - The number of GWAC citations in business/trade journals, academic papers, and conference forums

The members agreed with these initial metrics, though Richard Schomberg noted that the number of projects applying GWAC principles might not be very strong. The GWAC suggested that one more be added to "outreach".

- The number of endorsements by organizations to GWAC principles and framework

Erich Gunther mentioned that each Council member needs to track these items as they come along, because it is difficult to source after the fact.

Future metrics were discussed such as the value gained from GWAC influence and number of interoperability improvements.

*Action: Steve Widergren to consider mechanisms to measure against the identified initial metrics.*

*Action: Steve Widergren to propose standard verbiage for citations of GWAC material. This should be available from the GWAC website.*

## Interoperability Framework Workshop

The scheduled date is April 11-12, with a follow-up on April 13 with facilitators and leads. Steve Widergren and Andreas Tolk are coordinating the workshop. Facilities have been arranged for this meeting. 38 attendees are confirmed, and 12 more are considering. Introductory Web sessions for participants are taking place.

Steve Widergren is working with sponsors for the dinner. Ron Ambrosio is following up with CenterPoint as possible lead as sponsor, as well. Clasma is a confirmed sponsor.

A suggestion was made to give companies an opportunity to express their interest in interoperability at the beginning of the meeting, rather than as keynote speakers.

Attendees are asked to prepare by reading the Interoperability Framework Whitepaper, testing the framework with an example of their choosing, and submitting a 1-2 page position paper. The papers are due by March 23.

There will be one facilitator per breakout group: PNNL will supply a few facilitators with one or two EnerNex affiliates.

A keynote inspirational speaker has yet to be confirmed.

The workshop will have visibility at GridWeek and the GridWise Expo. Articles will also be released in venues such as the IEEE Power and Energy Society, Automated Buildings, Utilities Fortnightly, Smart Grid Newsletter, Power & Energy, etc.

The workshop will result in a revised framework document and workshop proceedings.

*Actions: Council members who are attending the Workshop need to submit their position papers by March 23. Council members can make others aware of the Workshop activity on company*

websites, if possible. Steve Widergren is to talk with Bill Muston about the possibility of Mike Quinn from TXU speaking at the Workshop. (Autry Warren of TXU ED may be a good mediator between PNNL and Mike Quinn). PNNL to prepare press releases for before and after the Workshop, and coordinate at GridWeek and the GridWise Expo. Alison Silverstein is to provide contact information for article submission in Public Utilities Fortnightly. Alison to help with a DOE press release coordinating with Eric Lightner and Kevin Kolevar.

## GridWeek Planning

Steve Widergren gave update on the schedule for GridWeek.

A GWAC meeting will take place on the April 23 from 9:00am to 12:00 noon. This is to be announced as an open meeting for those at the conference.

Monday afternoon will have several tables with different discussion topics. People are to move around between tables/topics. At least one GWAC member should be represented at each afternoon discussion topic. Mc Gowan will attend the financial discussion. Kiesling and McCoy will attend the Regulator/Policy discussion. Drummond and Ambrosio will attend the interoperability topic. Ambrosio and Gunther will attend the technology discussion. McCoy and Mc Gowan will attend the business/financial discussion. Cohen, Bucciero, and Schomberg will attend the applications topic.

Between 3:30-4 pm we will meet with the Mayor of Albuquerque, NM. He will be the first mayor to sign the GWAC Constitution. He is organizing a "Conference of Mayors" in June.

Six stories, Six States: Maryland-Constellation, Texas- Austin Energy & Walmart, New Mexico, Michigan – plug-in hybrid, California - SCE & AMI, Washington - GridWise Demo.

Alison Silverstein will moderate an interoperability panel on Thursday. Rik Drummond and Chris Hickman have confirmed as panelists.

Proposed to Anto Budiardjo that a professional journalist be hired for a post-GridWeek write-up. Lynne Kiesling can propose such people. Later in the meeting, Anto said that this was already in the works.

*Action: Dave Cohen to see if ACORE will attend the Monday morning GWAC meeting at GridWeek. Heather Kuykendall to explore idea of getting a document for GWAC members to travel on government rate.*

## Identity/Naming Team Progress

Rik Drummond, Mia Paget, and Jay Britton had drafted an outline for the identity paper. With Jay now a member emeritus, we will look to engage new people at the upcoming workshop

*Action: Rik Drummond and Steve Widergren to recruit others from the Interoperability Workshop to help articulate the identity issues.*

## Interoperability Symposium

Anto Budiardjo joined the meeting to discuss the nature of an interoperability symposium. The symposium is the next major step in engaging a larger community in addressing interoperability issues. It will consist of panels, papers, and presentations. There will be a call for papers with a peer review. This is to be supported by resource connections from the workshop. Utilities, suppliers, and regulators need to have reasons to attend as well. One reason is seeing that there is a bigger challenge that only this focused community can solve.

Distinguishing characteristics for this meeting were discussed including active engagement by the participants, the need to generate action, and creating follow-on activities. The diverse nature of the GridWise community also needs to be emphasized.

A tutorial session – education boot camp concept – needs to be considered. We need to advertise the Symposium at the GridWise Expo and GridWeek.

*Action: Council members to send ideas on tracks and activities for the symposium.*

## **Federal Energy Regulatory Commission (Guest Speaker: Commissioner Jon Wellinghoff)**

Commissioner Wellinghoff spoke articulately about the GridWise vision and its potential impact for the benefit of the electric system for our nation.

FERC has been charged with 19 items related to energy in the 2005 Energy Policy Act. Jon Wellinghoff will be assigning a FERC staffer to focus on demand response and GridWise advancements. Once this person is in place he plans to invite the GWAC to present their work to FERC staff.

FERC is having a demand response session on the Monday of GridWeek. Commissioner Wellinghof will see if they can schedule a one hour “brown bag” GWAC presentation at this meeting. He mentioned that Section 1223 of EPAct encourages FERC to advance electronic technology and this could lead to an institutional connection between FERC and the GWAC.

He encouraged the GWAC in their work with the policy checklist and advancing the interoperability principles. We should also pursue having a FERC presentation at the Interoperability Symposium on a Policy/Regulatory Track.

## Summary of New Action Items

#	Item	Owner	Due Date
277.	<i>Coordinate with council members to confirm speakers for the upcoming GWAC meetings.</i>	Olga Kuchar	Ongoing
278.	<i>Distribute the EPRI link for Dynamic System Management, and consider arranging a presentation on the topic at a future meeting.</i>	Richard Schomberg	16 Mar 07
279.	<i>Distribute links to the latest Galvan Initiative report and an ACEEE report.</i>	Lynne Kiesling	16 Mar 07
280.	<i>Forward presentation abstract requirements to Stephanie Hamilton for the IREP Symposium. Submittals are due 16 Mar 07.</i>	Joe Bucciero	12 Mar 07
281.	<i>Forward PSERC meeting information to Lynne Kiesling.</i>	Alison Silverstein	16 Mar 07
282.	<i>Council members to send their outreach presentations and a short summary of activities to Heather Kuykendall or Olga Kuchar for posting on the GWAC SharePoint calendar.</i>	All Members	Ongoing
283.	<i>Submit responses to the motion concerning the 4 reports to Steve Widergren who will summarize the responses. Should the responses indicate that any or all of the reports be considered for commissioning, then the project administrator will propose a course of action with projected cost for Council review and follow-up action.</i>	All Members	20 Mar 07
284.	<i>Forward an EPRI study that was described in the NY Times/Wall Street Journal regarding CO2 levels rising and six areas that will reduce emissions.</i>	Richard Schomberg	16 Mar 07
285.	<i>Propose an engagement strategy with a focus group of major suppliers with the objective of creating a business benefits message for GridWise interoperability.</i>	Rik Drummond and Jack Mc Gowan	30 Apr 07
286.	<i>Propose names to a matrix of targeted groups for interoperability engagement.</i>	Mike McCoy	30 Apr 07
287.	<i>Discuss GWAC Principles with ISO ITC contact and consider future interactions.</i>	Russell Robertson	22 May 07
288.	<i>Check the latest website and send to Olga Kuchar a current bio/photo. This will support the new website look and feel.</i>	All Members	30 Mar 07
289.	<i>Consider mechanisms to measure the identified initial metrics from the 7 Mar 07 meeting.</i>	Steve Widergren	30 Apr 07

290.	<i>Propose standard verbiage for citations of GWAC material. This should be available from the GWAC website.</i>	Steve Widergren	30 Apr 07
291.	<i>Council members who are attending the Workshop need to submit their position papers.</i>	Workshop attendees	23 Mar 07
292.	<i>Make others aware of the Interoperability Workshop activity on company websites, if possible.</i>	All Members	13 Apr 07
293.	<i>Talk with Bill Muston about the possibility of Mike Quinn from TXU speaking at the Workshop.</i>	Steve Widergren	16 Mar 07
294.	<i>Prepare press releases for before and after the Workshop, and coordinate at GridWeek and the GridWise Expo.</i>	Steve Widergren	30 Mar 07
295.	<i>Provide contacts for an article in Public Utilities Fortnightly.</i>	Alison Silverstein	30 Mar 07
296.	<i>Help with a DOE press release coordinating with Eric Lightner and Kevin Kolevar.</i>	Alison Silverstein	30 Mar 07
297.	<i>See if ACORE will attend the GridWeek Monday morning 23 Apr 07 GWAC meeting.</i>	Dave Cohen	30 Mar 07
298.	<i>See if GWAC members can have a document to show hotels in order to obtain the government rate.</i>	Heather Kuykendall	30 Mar 07
299.	<i>Recruit others from the Interoperability Workshop to help articulate the identity issues.</i>	Rik Drummond and Steve Widergren	13 Apr 07
300.	<i>Send ideas on tracks and activities for the interoperability symposium.</i>	All Members	30 Apr 07