GridWise Architecture Council Meeting
Knoxville, Tennessee
June 8-9, 2006

Meeting Minutes

Prepared 16 June 2006

The meeting was 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.

Erich Gunther, EnerNex Corporation

Stephanie Hamilton, Southern California Edison

Lynne Kiesling, Northwestern Univ. & IFREE (via conference line)

Mike McCoy, Becker Capital

Alison Silverstein, Consultant (via conference line)

Don Watkins, Bonneville Power Administration

Architecture Council Support

Steve Widergren, PNNL

Mia Paget, PNNL

Guests

Don Von Dollen, EPRI

Andreas Tolk, Old Dominion University (Thursday, 6/8/06)

Heber Weller, SAIC (Friday, 6/9/06)

Darren Highfill, EnerNex Corporation

Jesse Berst, Smart Grid Newsletter (Friday, 6/9/06 via conference line)

Not Present

David Cohen, Infotility

Larsh Johnson, eMeter Corporation

Jack McGowan, Energy Controls, Inc.

Meeting Openers

Proprietary Information Notice

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

Welcoming New Members

The newest AC members, Mike McCoy and Alison Silverstein, were welcomed with fanfare. GWAC members Albert Esser, Wade Troxell, and Eric Wong are now Members Emeritus, and the Council thanked them for their important contributions to date and looks forward to their continued involvement in GWAC activities.

Business and Administration

Review and Approve 21 & 24 April 2006 Meeting Minutes

The minutes for the April 21 & 24, 2006 meeting were approved with no dissentions.

Upcoming Meetings Schedule

GWAC plenary sessions:
- July 28, 2006, 8:00-10:00 am Pacific, online meeting
- **September Face-to-Face:** September 6-7, 2006, Albuquerque, NM
- October 20, 2006, 8:00-10:00 am Pacific, online meeting
- **December Face-to-Face (two options, indicate your availabilities):**
    - November 29-30, Denver, CO.
    - December 6-7, 2006, co-located with International Conference on Distributed Resource Integration, Napa Valley, CA
- January 19, 2007, 8:00-10:00 am Pacific, online meeting
- **March Face-to-Face:** Tentatively co-located with GW Interoperability Forum or other GridWise event, probably East Coast/D.C. vicinity. *Date to be set in September.*

Action Item: *All members are to indicate their availability for the two possible 'December' options as soon as possible.*

Member Renewal 2006 Status

One seat remains open to solicit candidates to represent the industrial controls/factory automation sector. This seat is to be filled as quickly as possible.

Action Item: Steve Widergren is to convene the Nominations Committee as soon as reference checks are completed on current candidate.

Outreach Activities

Recent and upcoming outreach activities include:
- GridWise Alliance (activity report by Ron Ambrosio)
    - o   Not a lot of new activity since the last GWAC meeting

- o IBM Govt Relations team is now engaging with the Alliance (Steve Hauser and Lee Cougan) to work together on Federal and State policy outreach strategies (IBM contact is Marija Zivanovic)
    - May lead to a Deep Dive discussion in D.C. in the near future
    - A lot of attention being given to the issue of redirecting Federal budget funding back to the GridWise program
        - The Regional Demo approach appears to have been a missed target, since Kolevar said Bodman doesn't want to spend on demos/pilots, but rather to focus on long-term research

- EPRI IntelliGrid (activity report by Don Von Dollen): IntelliGrid scoping studies are performed before larger efforts are launched, in part to learn what other groups are studying. One scoping study will include naming. A scoping studies list will be proposed to their steering committee in July, including, for example, naming, network management addressing security, looking at the role of open source in the development of software in distributed computing, centralized versus decentralized systems, and development of planning tools for intelligent systems. IntelliGrid held many workshops to inform about IntelliGrid architecture principles to industry, methods, etc. Jay Britton suggested that we talk to Dave Becker at EPRI regarding CIM for planning. Don Von Dollen would like to see continued and increased coordination between the Architecture Council, the GridWise Alliance and IntelliGrid. EPRI has also assembled about 12-15 state regulators in a Public Advisory Group. This could be a good group for the GWAC policy/regulatory task force to contact.

- Galvin Initiative: Rik Drummond and Steve Widergren met with Kurt Yeager at EPRI's offices in Palo Alto to apprise Kurt of the GridWise AC activities and our desire to work with the Galvin Initiative, particularly regarding interoperability directions. After a presentation about the GWAC, Mr. Yeager explained the present Galvin focus on microgrids. Clark Gellings is leading technology aspects with EPRI Solutions, Roger Gale is leading business model development, and quality management is led by the Durand Center at the University of Minnesota (includes input from Motorola and Xerox Parc). Kurt took the action to identify a liaison to the GWAC from the Galvin Initiative.

- OpenAMI, UtilityAMI, SCE's Advanced Metering Initiative: Erich Gunther reported on recent coordination between OpenAMI and UtilityAMI, making progress in communicating joint concerns to vendors. OpenAMI and UtilityAMI are tracking closely with the SCE's Advanced Metering Initiative (UtilityPoint is now running another organization, AMI ADM targeting vendors and utilities and regulatory community in one) UtilityAMI following IntelliGrid and GWAC principles, and developing joint specifications.

- IEEE-PES T&D Panel: Stephanie Hamilton presented DOE's GridWise Architecture Council's program -- to lead industry adoption of interoperability for the US power industry -- at the IEEE-PES T&D conference. Hamilton also presented SCE's major efforts toward creating a more interoperable world through its T&D programs. Interoperability is being recognized as a pillar for improving the grid and customer infrastructure for modernizing the power system. One person in the audience exclaimed that we can't wait 30 years - we need it now!

- Niagara Summit, AHR Expo 2007: Jack McGowan presented the Architecture Council to participants in the Niagara Summit on May 1, 2006.

- CPUC Commissioners (6/27): Eric Wong has organized a meeting for GWAC members with California Public Utility Commissioners Rachelle Chong and John Bohn. Rik Drummond, Alison Silverstein and Erich Gunther will participate in these meetings on June 27 and 28. These members will hold a conference call prior to the meeting to finalize concise talking points and a one page overview.

- SW Transmission Forum (7/13, NM): Rik Drummond will speak at the 'Energy in the Southwest Conference 2006'. This conference is expected to reach regulatory and business executives in the regulatory sector.

- Energy Commission Transmission Forum (7/18/2006, D.C.): Vito Stagliano has organized a one day forum, "Avoiding a Stalemate on Transmission Siting" sponsored by the National Commission on Energy Policy and co-sponsored by EEI, NARUC, APPA, NRECA. Interested GWAC members are invited to attend.

- Energy 2006 (8/8, Chicago): Lynne Kiesling, Erich Gunther and Mia Paget will be leading an interactive session at the Federal Energy Management Program's Energy 2006 Expo to inform and engage federal facility managers in GridWise Architecture interoperability efforts.

- Erich Gunther will be speaking at the 2006 EPRI Power Quality Applications (PQA) Conference and the EPRI Advanced Distribution Automation (ADA) in July.

To manage the increasing number of outreach engagements surrounding the Architecture Council and to maintain a balance of outreach to various sectors, the outreach summary spreadsheet has been updated. An Outreach Status Report including a summary of recent and upcoming events will be sent to members prior to each plenary meeting. Members that participate in events on behalf of the AC, or speaking about the AC are asked to complete a quick, online event summary for each event and send a copy of slides presented to Terry Shoemaker. Outreach to various sectors in 2006 has been relatively balanced, but lagging in the industrial systems control sector. All outreach material will be available on the SharePoint site.

The GWAC has different types of relationships with stakeholder communities, from more formalized liaisons to individuals willing to contribute to the GWAC efforts. Stephanie Hamilton has prepared a draft liaison agreement between the GWAC and the IntelliGrid program. This agreement is to be updated and reviewed and submitted to the members for approval at the next web meeting. Members are also to reflect on mechanisms to give credibility to individuals and smaller organizations and companies that participate in our efforts (considering, for example, open-source).

Action Item: Members are to review the draft GWAC/IntelliGrid liaison agreement and provide comments to Stephanie. Stephanie is to prepare a final version for approval at the next web meeting. Terry Shoemaker is to finalize the Outreach Status Report and forward it to members. All members are to complete a short event report on any outreach events related to the GWAC (via online form).

Levels of Interoperability

Andreas Tolk, from Old Dominion University and the Virginia Modeling Analysis & Simulation Center, provided AC members with an overview of conceptual levels of interoperability as studied and applied in defense sectors entitled "Applying the Levels of Conceptual Interoperability Model in Support of the Intelligent and Transactive Energy Systems". Dr. Tolk suggested directions for interoperability concepts that may be appropriate to the GWAC's efforts. The Council should look into the work in ISO 11179.

Action items: AC administrators are to follow-up on Dr. Tolk's offer for collaboration on a workshop or conference to gather experts to work on the framework for interoperability.

Identification and Naming

The Identification and Naming Task Force currently includes Drummond, Ambrosio, Britton, Gunther, Widergren, and Paget. Steve Widergren presented key concepts and key issues surrounding naming and identification to AC members. Rik Drummond presented a brief introduction to the OASIS-XRI work which provides an example of an approach to solving naming and identification issues. Jay Britton noted that this approach, however, does not address the question of authorities (those responsible for assigning a name and maintaining registries for names). The difficulty with regard to real objects in the power grid occurs when two groups may assign names to a single object: someone has to assign the name and identification of an object in the first place and be able to maintain that information and provide that information to others.

The next steps for Identification and Naming Task Force will include:

- Write vision whitepaper introducing concept, issues
- Consider examples of ways the issues are addressed (working with IntelliGrid)
- Engage groups with existing needs
    - o ISO/ITC (subsequent to blackout report)
    - o WECC model
    - o Buildings and control industry

The work will need to address the nature of identification, the processes involved, and registry structure (what information is in the registry, characteristics of the information, degree name resolution…), and constraints as well as answer red flag questions such as security impact, ownership of information, confidentiality, and legacy name persistence. Coordination with EPRI's scoping study in this area was noted, as was the work done for NERCnet and their naming guideline. The option of holding a WebEx meeting about Identification and Naming with the WECC was discussed.

Action item: Rik Drummond is to convene the task force to begin addressing the next steps (whitepaper, strawperson, engaging groups with existing needs).

Interoperability Context Setting/Framework

The Interoperability Context Setting/Framework Task Force currently includes Ron Ambrosio, Rik Drummond, Dave Cohen, Don Watkins, and Steve Widergren. Steve Widergren presented an overview of the current strategy to establishing the Context Setting Framework for Interoperability Issues, examples from the state of the art in such frameworks, and tie-in to concepts in the GridWise Interoperability Constitution. One function of the framework would be to provide a checklist for reviewing demo projects and other efforts to assess how they address interoperability concerns.

Dr. Tolk shared his experience with establishing a similar framework in the modeling and simulation world a few years ago. The effective path followed by that sector involved establishing an example framework whitepaper (including review and feedback of an initial set of experts), then using that paper as the basis of a larger symposium. Key players were asked to submit short position papers regarding the framework whitepaper, and present those positions at the symposium and participate in focused sessions. The result was a broad set of findings and an active participation and buy-in of experts, providing the basis for a strong framework.

Stephanie Hamilton suggested that this could be the thrust for our next GridWise interoperability forum.

Action item: Steve Widergren is to convene the Interoperability Context Setting/Framework Task Force and begin to lay out a plan to create such a whitepaper and engage respected parties to

contribute their proposed approaches for a GWAC interoperability framework. This work would be reviewed in a workshop, the results captured in a whitepaper. This would then culminate in the next GWAC interoperability forum (see below).

Constitution Follow-up

During the Constitutional Convention, delegates participated in breakout sessions and many expressed interest in continuing to participate in GWAC-led activities. Some breakout session conference calls have been held since the Convention, but a clear path forward for following up on the Constitution and encouraging community engagement is not yet established. A 'task wish list' was established based on the next steps identified by the Convention breakout groups. Some of these tasks fall within the GWAC scope, but many are tasks for other efforts within the larger GridWise community.

In the context of other discussions during this meeting, the members agreed on the concept of a GWAC-led interoperability event tentatively in March 2007, and on a path forward toward an interoperability framework which both ties in to the Constitution principles and will provide mechanisms to engage stakeholders.

With respect to the policy and regulatory breakout group, members agreed to proactively continue the value proposition and elevator story work initiated by the policy breakout group, and follow-up on the suggestion from Joe Desmond to take the Constitution to the regulators for ratification, or to insert language into resolutions. A task force to bring the message of the Interoperability Constitution to the policy and regulatory arena will be formed, led by Alison Silverstein and Lynne Kiesling, and including Ron Ambrosio, Dave Cohen and Mia Paget. Some tasks and objectives for this group will be:

- Package and adapt the GWAC story, value proposition and Constitution message.

- Develop language related to interoperability principles that can be used in resolutions or referenced in policy records.

- Work with regulatory groups that are already relatively advanced toward supporting GridWise concepts (CA, NY, IL, TX, OH, NJ, MADRI) to establish and provide policy statement and rulemaking elements related to interoperability to support broader policy goals.

- Get on the agendas at conferences to sell the elevator story (e.g., NARUC meetings and regional conferences), and work toward a public briefing to FERC.

- Connect with the GridWise Alliance group that is working on Legislative Language related to GridWise.

Other GWAC actions that can reinforce community engagement identified during the discussion include:

- Documenting benefits of interoperability where it has made a difference.

- Updating the Standards KnowledgeBase, particularly in cooperation with IntelliGrid, the Smart Grid News, the CTC and CEC.

- Establish a top 10 list of actions that groups can do.

- Develop examples of paths and solutions as well as examples where smart-grid approaches have prevented blackouts.

Action item: Alison Silverstein and Lynne Kiesling are to convene the policy/regulatory task force. Members not present in Knoxville are to indicate whether they would like to participate in this task force.

Next face-to-face: September 6-7, 2006, Santa Fe, NM

The next face-to-face meeting will be held in Santa Fe, New Mexico. Jack McGowan will provide assistance hosting this meeting. Tentative agenda items for this meeting include:

- Optional pre-meeting visit of New Mexico GridWise Demo Project

- Possible Guest Speakers (note that the final number of outside speakers will be limited to four)

    - Vito Stagliano (Director of Research, National Commission on Energy Policy)

    - Ken Wacks (Home networks, Broadband…)

    - Drummond Reed (OASIS XRI). An alternative would be to invite Mr. Reed to present the XRI work to the Identification and Naming Task Force via WebEx.

    - Brad Johnson (MADRI)

    - Mark Palmer (NIST/UNCEFACT vice-chair). An alternative would be to invite Mr. Palmer to our next East Coast Meeting.

    - Professor J. Doyne Farmer or other complexity science expert from the Santa Fe Institute

- Working Sessions: interoperability framework, interoperability in-roads in regulatory sectors, next GWAC interoperability event, task force progress

- Post-meeting option: enjoy Zozobra (http://www.zozobra.com/)

Action item: All members should review the above agenda items and provide comments or other input to Mia Paget and Terry Shoemaker.

GridWise Expo

The GridWise Expo was held in Palm Springs, May 16-18. A number of GWAC members and administrators participated in this event, including Rik Drummond, Jack McGowan, Erich Gunther, Lynne Kiesling, Eric Wong, Dave Cohen, Ron Ambrosio, Steve Widergren and Mia Paget. The GridWise track included a number of sessions focusing on issues surrounding GridWise interoperability. Material presenting the GWAC and the Constitution was posted and distributed at the GridWise Demonstrations booth. A 'Birds of a Feather Discussion on Interoperability' was held with interested stakeholders. A third GWAC poster was prepared to complement the two Constitution posters and used in the GridWise Demonstrations booth at the GridWise Expo, and folders and fliers were made available to GridWise Expo attendees. These posters and fliers are available for future events as needed.

Based on criteria for recognition of efforts in support of the GridWise Interoperability Constitution, the GWAC members voted to attribute awards of recognition and appreciation to the EPRI-IntelliGrid and NRECA-MultiSpeak efforts. The awards were distributed during the GridWise Expo awards ceremony and a press release was prepared (in cooperation with the IntelliGrid and MultiSpeak representatives) and distributed to announce the awards.

The 'Connectivity Week' audience (BuilConn and M2M in addition to GridWise Expo) was generally already well in tune with concepts of interoperability. Keynote talks and panel sessions (including from Joe Desmond and SCE's James Kelly) were well appreciated and well attended.

Action items: Rik Drummond is to contact Richard Schomberg to adapt the Constitution into a policy statement format that can be circulated and adopted by the IEC (particularly IEC TC 8).

San Ramon GridWise Strategy Session

Rik Drummond reported on the GridWise Strategy Session held in San Ramon. Eric Lightner convened this session and invited influential participants in GridWise-related activities. The objective was to discuss a general strategy for GridWise and attempt to better coordinate these activities. A key outcome of this session was the decision to remain united and move forward under the GridWise banner. Decisions were made to pursue marketing efforts and to work toward educating congressional staffers on smart grid concepts, preparing 'back-pocket' legislation to be available at opportune times.

Efforts within the intelligent grid community that are not associated with the GridWise program were not at the San Ramon strategy session and coordination with these efforts is also needed. There is still confusion voiced in some venues regarding the difference between the various programs under the GridWise banner and working toward intelligent grid efforts. A clear one-page overview of intelligent grid programs is desired. Erich Gunther and others have worked to try and do this, but achieving clarity and conciseness is difficult. A graphic summary was presented by the Modern Grid Initiative and IntelliGrid has assembled background material in its 'IntelliGrid – Program Integration Status Report'. A one page summary of efforts in this space could be added to the GWAC KnowledgeBase and linked to the FAQ section of the website. A 'summit meeting' including leaders from all players in the intelligent grid arena and DOE, CEC, and some large utilities may be in order.

Action items: Mia Paget is to draft a one page summary of key characteristics and key areas of expertise of efforts in the intelligent grid arena for review. Steve Widergren and Rik Drummond are to investigate the option of organizing a 'summit' of leaders of each effort working in this arena and key funders (DOE, CEC).

Next Interoperability Forum

Steve Widergren led the members in a discussion of the option for and desirability of a next 'event' after the Constitutional Convention: when, where, and what would be the objectives of such an event? The members concluded that this is definitely needed, and they prefer one big event per year rather than many small events or meetings. The Council agreed to do another forum in the March time-frame with the interoperability framework theme. A plan with scope, objectives and outline for this will need to be drafted for discussion at the next online GWAC meeting (July 28).

The Constitutional Convention was to engage on the principles, so a high-level outcome was appropriate. More substance will be needed for this event, such as an interoperability framework, and research and standards plans. Preparations will include a plan for the aftermath.

Action items: Steve Widergren and Mia Paget are to prepare elements of a plan for the Next Interoperability Forum (expected to be tied closely to the interoperability context setting framework), including scope, objectives and outlines to serve as a point of departure at the July 28 GWAC meeting.

Tennessee Valley Authority PowerWAN

Darren Highfill, EnerNex Corporation, presented a summary of the TVA PowerWAN infrastructure. This is a communication infrastructure that supports aspects of TVA's enterprise integration architecture. It includes support for device connectivity, security, and related information exchange.

CAISO/CEC/PIER/GWAC Research Project

Eric Wong has approached the CEC PIER group in light of the initial concept paper developed by GWAC members in response to the suggestion by Joe Desmond to work with the CAISO on a research project. A number of projects related to the suggested topic area already exist and the GWAC does not have the scope or resources to lead a research or demo project, but would like to ensure that interoperability principles are applied in projects and learn about interoperability hurdles faced by projects.

The GWAC should be talking with the CEC PIER program people, sharing our expertise and listening to theirs. In a larger sense, the GWAC should have a strategy for GWAC participation (not as leaders or organizers) in demo projects, to encourage, coordinate, and show the benefits of interoperability aspects across projects; working with projects, endorsing the concept of interoperability with high-level guidance. One option is to see whether the GWAC can have a role on an advisory council for related CEC PIER projects. Another mechanism would be to develop and use a checklist (such as that under development by the Context Setting Framework Task Force) which can be used to identify interoperability aspects of projects, places where those elements address concepts within the scope of the Constitution, and feedback concerning barriers faced and gaps that are identified.

Action item: Eric Wong is to speak with CEC Mark Rawson to explore the possibility of having a GWAC seat on its advisory council regarding research and pilot projects. The Context Setting Task Force is to consider its checklist in light of its usefulness as support for GWAC people in advisory modes such as this.

Modern Grid Initiative

Heber Weller, representing SAIC, presented an overview of the Modern Grid Initiative. This initiative is centered on developmental field tests and larger regional demonstration projects, leading to the adoption of modern grid strategies. This effort attempts to provide a national perspective for electric infrastructure modernization. Its initial focus is at the distribution system level. GWAC members had a number of questions regarding the slides presented that could not be addressed in the allotted time. A follow-up, on-line meeting will be arranged.

Action item: Mia Paget is to invite Heber Weller, Steve Pullins, and Steve Hauser to continue discussing opportunities for collaboration between the GWAC and the Modern Grid Initiative at an upcoming GWAC on-line meeting.

Resources

Mia Paget announced that the GridWise Architecture Council KnowledgeBase is now available on-line for public access. This resource provides an updated, searchable version of the Standards Landscape, as well as links to related resources and documents. The KnowledgeBase is available through: http://gwac.pnl.gov/cocoon/morf/gridwise. This initial resource will require ongoing updating and improvements. A page is provided for visitors to send in updates and suggestions.

Jesse Berst presented an overview of the Smart Grid Newsletter Case Study Program. This effort responds to a need for case studies which have been identified repeatedly and will leverage the Smart Grid Newsletter infrastructure.

Action Item: Mia Paget is to coordinate the linking of the KnowledgeBase to the GWAC website, and initiate updates including appropriate links to and from CEC, GridApp, and Modern Grid websites. Members are to indicate if they would like to be on the review committee for the Smart Grid

Newsletter Case Study Program and submit suggestions of projects that would make great case studies to Jesse Berst.

Roadmap

Steve Widergren reviewed the roadmap. New items in the roadmap include engaging the policy/regulatory community with the Constitution principles and another interoperability forum next year as well as updates to the identification and interoperability framework efforts. The discussions at this meeting regarding the context setting framework will flesh out the path toward the next interoperability forum and the context setting framework subtasks. More details are also expected to come out of the policy/regulatory engagement task force.

Action Items: Widergren to update the roadmap with the input from this meeting. On a suggestion from Don von Dollen, Drummond and Widergren are to talk with Richard Schomberg (EdF and IEC TC8 convener) regarding incorporating Constitution principles in a TC8 paper.

New Action Items:

#	Item	Owner	Due Date
195.	Indicate availability for the two possible 'December' meeting dates as soon as possible.	All members	7 July 06
196.	Convene the Nominations Committee as soon as reference checks are completed on current candidate.	Widergren	19 June 06
197.	Review the draft GWAC/IntelliGrid liaison agreement and provide comments to Stephanie.	All members	30 June 06
198.	Prepare a final version of GWAC/IntelliGrid liaison agreement for approval at the next web meeting.	Hamilton	24 July 06
199.	Finalize the Outreach Status Report and forward it to members.	Shoemaker	30 June 06
200.	Complete a short event report on any outreach events related to the GWAC (via online form).	All members	Ongoing
201.	Follow up on Dr. Tolk's offer for collaboration on a workshop or conference to gather experts to work on the framework for interoperability.	Widergren Paget	24 July 06
202.	Convene the identification and naming task force to begin addressing the next steps (whitepaper, strawperson, engaging groups with existing needs).	Drummond	7 July 06
203.	Convene the Interoperability Context Setting/Framework Task Force and begin to lay out a plan to create a whitepaper and engage respected parties to contribute their proposed approaches for a GWAC interoperability framework.	Widergren	7 July 06
204.	Use Interoperability Context Setting/Framework Task Force whitepaper basis to prepare elements of a plan for the Next Interoperability Forum, including scope, objectives and outlines to serve as a point of departure at the July 28	Widergren Paget	24 July 06

#	Item	Owner	Due Date
	GWAC meeting.		
205.	Convene the policy/regulatory task force. Members not present in Knoxville are to indicate whether they would like to participate in this task force.	Kiesling Silverstein	7 July 06
206.	Members not present in Knoxville are to indicate whether they would like to participate in the policy/regulatory task force.	Members	30 June 06
207.	Review agenda items for New Mexico meeting and provide comments or other input to Mia Paget and Terry Shoemaker.	All members	24 July 06
208.	Contact Richard Schomberg (EdF and IEC TC8 convener) to adapt the Constitution into a policy statement format that can be circulated and adopted by the IEC or incorporated in a TC8 paper.	Drummond Widergren	24 July 06
209.	Draft a one page summary of key characteristics and key areas of expertise of efforts in the intelligent grid arena for review.	Paget	7 July 06
210.	Investigate the option of organizing a 'summit' of leaders of each effort working in this arena and key funders (DOE, CEC).	Drummond Widergren	24 July 06
211.	Speak with CEC Mark Rawson to explore the possibility of having a GWAC seat on its advisory council regarding research and pilot projects.	Wong	7 July 06
212.	Consider Context Setting Framework checklist in light of its usefulness as support for GWAC people in advisory modes such as this.	Widergren	24 July 06
213.	Invite Heber Weller, Steve Pullins, and Steve Hauser to continue discussing opportunities for collaboration between the GWAC and the Modern Grid Initiative at an upcoming GWAC on-line meeting.	Paget	7 July 06
214.	Coordinate the linking of the KnowledgeBase to the GWAC website, and initiate updates including appropriate links to and from CEC, GridApp, and Modern Grid websites.	Paget	24 July 06
215.	Indicate if you would like to be on the review committee for the Smart Grid Newsletter Case Study Program and submit suggestions of projects that would make great case studies to Jesse Berst.	All members	30 June 06
216.	Update the roadmap with the input from this meeting.	Widergren	24 July 06