

Meeting Minutes January 15-16, 2009

Chairman Ron Ambrosio led the meeting that was held 9:00 a.m. – 5:00 p.m. on Thursday, January 15, 2009, and 8:30 a.m. – 4:00 p.m. on Friday, January 16, 2009.

Members

Ron Ambrosio, IBM T.J. Watson Research Center

Nora Brownell, BC Consulting

Joe Bucciero, Bucciero Consulting, LLC

Rik Drummond, Drummond Group

Erich Gunther, EnerNex Corporation

Stephanie Hamilton, Southern California Edison

David Hardin, Invensys Process Systems

Lynne Kiesling, Northwestern University

Alex Levinson, Lockheed Martin

Jack Mc Gowan, Energy Controls, Inc

Richard Schomberg, Electricite de France

Ken Wacks, supported by GridPlex

Anto Budiardjo, Clasma Events

Lawrence Carter, Bonneville Power Administration

Jeff Gooding, Southern California Edison

Dennis Gray, APS

Joe Hughes, EPRI

Itai Karellic, Greenlet Technologies

Laurent Liscia, OASIS – *via teleconference*

Randy Lowe, AEP & UNITE- *via teleconference*

Andrea Mammoli – University of New Mexico

Tracy Markie, Engenuity

Ralph Martinez, BAE Systems – *via teleconference*

James Mater, QualityLogic

Terry Mohn, Sempra Energy Utilities

Austin Montgomery, Carnegie Mellon

Mike Oldak, EEI

Terry Oliver, Bonneville Power Administration

James Pace, Silver Spring Networks

Dean Samara-Rubio, Intel

Peter Shaw, Navigant Consulting

David Wollman, NIST

Support - PNNL

Steve Widergren

Ron Melton

Ron Jarnagin

Heather Kuykendall

Speakers and Guests

Kevin Ansley, Southern Co. & UNITE- *via teleconference*

Jasbir Arora, APS

Jim Baker, BAE Systems - *via teleconference*

Members (Not Present)

Russell Robertson, Tennessee Valley Authority

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Proprietary Information Notice

The members and guests were reminded of the proprietary information disclosure policy from the Bylaws. At the conclusion, Mike Oldak suggested that the GWAC add an anti-trust statement to the notice.

Administrative Business

- The minutes from the December 12, 2008 web meeting were approved with the incorporation of a few suggestions from Ron Ambrosio.
- Jack Mc Gowan received the GWAC Distinguished Service Medal as a token of appreciation as the former Chairman of the GWAC and his leadership in messaging and outreach for the interoperability cause.

Upcoming Meetings

GWAC Meetings

- March 6 – web meeting, 8:00 – 10:00 a.m. PST
- May or June – web or face-to-face meeting with the Congress of DEWGs. Mike Oldak offered EEI's facilities in Wa DC.
- June 8, 2009 – potential face-to-face meeting co-located with Connectivity Week in Santa Clara, CA.
- August 2009 – potential face-to-face meeting and GI09 planning meeting. Erich Gunther offered EnerNex facilities in Knoxville, TN.
- September 21 or 25, 2009 – Potential face-to-face meeting co-located with GridWeek in Washington, D.C.
- November 17-19, 2009 – Grid-Interop 09 in Denver, CO.

DEWG Meetings

- January 28, 2009 – B2G Summit, co-located with AHR Expo, Chicago, IL
- May 4-6, 2009 – I2G meeting, co-located with OMAC meeting, Raleigh, NC

- May or June 8-11, 2009 – possible all-DEWG meeting co-located with ConnectivityWeek, Santa Clara, CA

Action Items:

- *Steve Widergren will look into the potential benefit of adding an anti-trust statement to the Proprietary Notice statement that begins each meeting.*
- *Heather Kuykendall will update the agreed to changes to the meeting minutes of Dec 12, 2008.*
- *Heather Kuykendall will update the calendar item sent to Council members for the March web meeting to reflect the time change.*

Call for Candidates

The Call for Candidates was announced on December 12. The administration received 15 responses, with approximately 10 more indicating their intent to apply. The Nominations Committee was assembled, which includes Gil Bindewald, Jerry FitzPatrick, Rik Drummond, Lynne Kiesling, and Steve Widergren.

The anticipated schedule for membership renewal follows:

	Activity	Start	End
1	Call Material, Distribution List & Posting Plan	21 Nov -08	4 Dec 08
2	GWAC Review & Agreement to Proceed	5 Dec 08	10 Dec 08
3	Assemble Nominations Committee	11 Dec 08	9 Jan 09
4	Candidate Call Period	12 Dec 08	19 Jan 09
5	Nominee Selection	20 Jan 09	26 Jan 09
4	Confirm Commitments and Finalize Slate	27 Jan 09	30 Jan 09
8	Nominee Confirmation	2 Feb 09	4 Feb 09

NIST Interoperability Coordination

Grid-Interop Workshop Results - The Energetics report from Grid-Interop 08 is almost final, and will be available online with a link provided in the Grid-Interop proceedings. Sections from the report were incorporated into the NIST report to Congress.

Report to Congress on EISA Activities - NIST received many comments from the GWAC and others on the draft smart grid interoperability report. These were used to revise the report, which is now in review with the Department of Commerce and then the Office of Management and Budget. The NIST management team met with the Obama administration’s transition team, and congressional staff has seen the draft report.

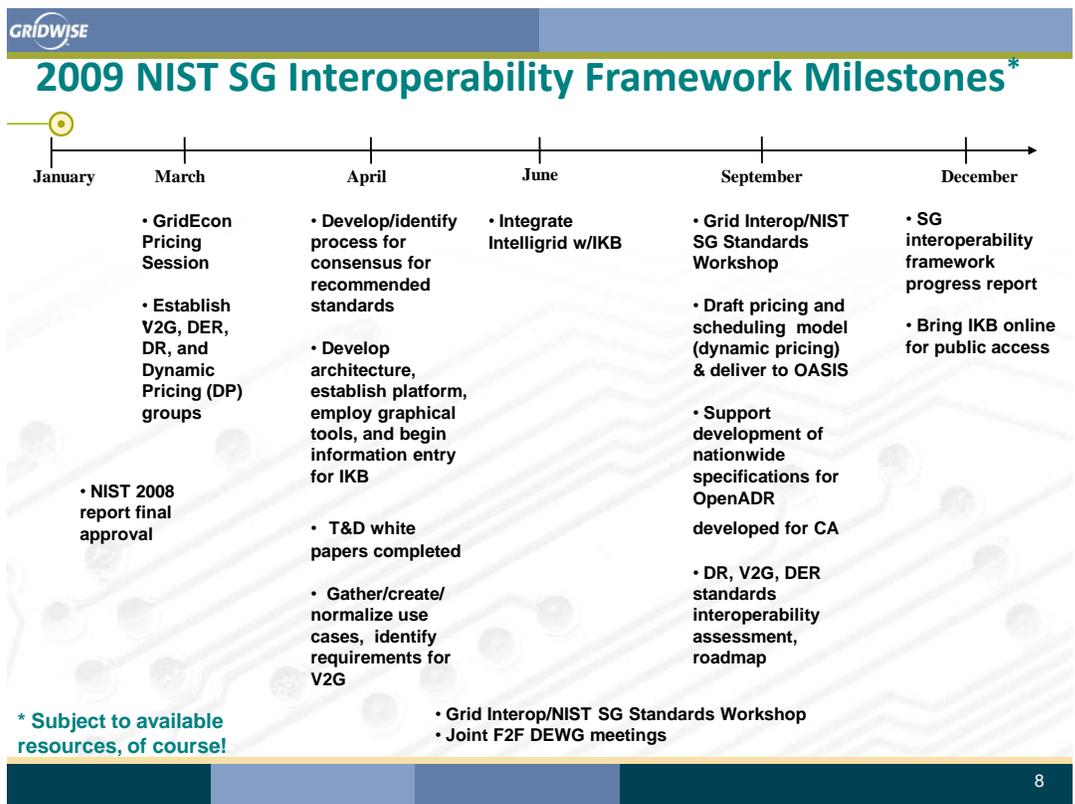
KnowledgeBase Progress – Contractor Andy Owens from Plexus is developing the KnowledgeBase which is becoming larger than originally planned. This project is dependent

upon budget resources, and may be contracted out in the future. It will include material from the EPRI Intelligrid work. Widergren confirmed with Lightner that the DOE knowledge base activity does not duplicate effort - would reference the NIST knowledge base re: Interoperability

TWIKI Collaboration Tool – Andy Owens will also restructure the TWIKI for increased ease of use by the DEWGs.

Resources – NIST is still working under an unfunded mandate, but have two new full-time staff on the project. Jerry FitzPatrick is now devoted full-time to the effort. They are awaiting additional funding.

2009 Milestone Timeline – All planned milestones are dependent upon available resources.



DEWGs Status

- The B2G and I2G DEWGs are sponsoring a session on dynamic pricing at GridEcon.
- Plans are underway to develop other DEWGs such as vehicle-to-grid, distributed energy, and demand response. Some may be cross-cutting groups to address concerns such as cyber security.
- David Wollam: Suggested that some of the NIST activities be put on the Federal Register

- Many organization monitor the Register, so it's a good way of making people aware of the NIST Interop activities
- Nora: commented on FERC tie-ins too
- Jack: suggested that each DEWG identify a key trade journal, etc. for similar public awareness, in addition to the Register

Action Items:

Jerry FitzPatrick (NIST) will consider a plan for releasing a version of the knowledgebase in time for Grid-Interop 09.

Outreach and Liaison Reports

Liaisons

GridWise Alliance – A survey is about to be sent out about interoperability and comments will be collected. Becca Dietrich (GWA) will send out a report on the results. This will be shared with the GWAC as soon as possible. Terry Mohn reported that an implementation working group will be categorizing smart grid projects as a member resource. The Legislative Working Group of 30-40 members held a face-to-face meeting to clarify the federal government role in incentives, and will try to reach out to other groups. The Smart Grid Policy group is completing white papers on topics such as creating new smart grid jobs.

EPRI – EPRI continues to contribute to OpenAMI and other efforts. They raised capital for demonstration projects that includes the use of standards in infrastructure implementations.

UCA UG – Erich Gunther reported that they are looking at AMI metrics performance measures in a new interoperability task force.

IEC – Richard Schomberg leads IEC Smart Grid Strategic Group which reports to an IEC standards management board to recommend coordination of IEC activities in this area. TC8 is reviewing generic requirements for use cases, and will soon develop project teams.

ISO/IEC JTC 1/SC 25/WG1 – Ken Wacks reported on the GWAC liaison status: Germany is demanding a formal vote on the establishment of this liaison (normally, this is a pro-forma process). Vote would happen in March.

IEEE PES Intelligent Grid Coordinating Committee – The committee is doing a survey internally of standards and authorizations for new standards, and will map them to the smart grid to determine gaps related to interoperability within the Power & Energy Society to increase awareness. A meeting is planned in April to discuss this activity. Dick DeBlasio is coordinating this with NIST.

EEI – Mike Oldak reported that EPRI and EEI have formed a new Utilities Smart Grid Working Group comprised of C-level Executives.

CABA – Ron Zimmer contacted Steve Widergren about a liaison with the GWAC. Ken Wacks works closely with CABA and can exchange information between groups. CABA is a neutral source of information and publishes iHomes and Buildings, which you can read for free at www.caba.org. Ken writes a quarterly article for the magazine, and GWAC was the subject of his article in the winter 2008 issue.

Outreach Reports

GM/Utilities PHEV Coalition – Lynne Kiesling hasn't been able to review it carefully yet. Joe Hughes said that EPRI is working on application model focus in the Coalition, and Jeff Gooding reported that SCE has published 3 of the 4 PEV Use Cases they've developed. SCE also made an attempt to get SAE to adopt the requirements from the use cases, but that seems to be stalled at the moment for non-technical reasons on the SAE side.

DR Expo – Jack Mc Gowan attended this event of ~100 attendees in Toronto, Ontario on December 8-9, 2008.

T&D University – Rik Drummond and Stephanie Hamilton taught a class highlighting the GWAC and SCE smart grid work. T&D World publishers and editors attended. This may be an opportunity to publish interoperability and GWAC articles in their magazine.

Upcoming Outreach

AHR Expo – This event takes place on January 26-28 in Chicago, Illinois with 2000+ exhibitors. A Buildings to Grid and BacNet session will be held on Monday. A B2G Summit will take place on Wednesday, with a B2G DEWG meeting in the morning. Jack Mc Gowan, Lynne Kiesling, Anto Budiardjo, David Holmberg, and Ron Jarnagin will be involved in the sessions.

DistribuTECH – Erich Gunther is teaching a “smart grid university” session, and Ron Ambrosio is on a panel session about demand response. Alex Levinson, Joe Bucciero, Ron Ambrosio, and Erich Gunther plan to attend the event on February 3-5 in San Diego, CA.

ARC Forum – An I2G DEWG meeting planned for this event in February 2-5 was cancelled.

ISA Expo – Dave Hardin is chairing a session on energy topics and an I2G meeting is planned.

NARUC Winter Meeting – NIST is invited to speak to the FERC/NARUC Smart Grid Collaborative on February 15-18 in Washington, DC. Nora Brownell will also be there, and the BnP DEWG will provide her with a message to convey.

National Electricity Delivery Forum – Nora Brownell will try to attend this on February 17-18 in Washington, DC.

IEEE PSCE – This meeting will include a smart grid paper session on March 15-18 in Seattle, WA.

GridEcon – This event covers dynamic pricing, investments by utilities and new entrants, business model changes as part of smart grid, and carbon issues. It is being held March 16-17 in Chicago, IL. Lynne Kiesling is involved in the planning of GridEcon with is organized by Clasma.

EI e-forum – On February 24, EI is hosting an e-forum on the topic of using the smart grid to bring clean technologies. Erich Gunther offered to suggest a renewable integration speaker.

ConnectivityWeek – This event will be held June 8-11 in Santa Clara, CA. The GridWise Expo is proposed to have a track on smart grid boot camp and smart grid tools and information management. Erich Gunther suggested UtiliSec (a utility cyber security group) to help with the cyber security topic. The GWAC needs to consider input for the event and develop the important messages they would like to get across at the meeting.

GridWeek – The planning for GridWeek is underway. 700 attendees came to the event last year, with 900-1000 expected this year. Jon Wellinghoff will speak at the event. The International Summit will be a larger part of the conference this year. The GWAC discussed with Anto Budiardjo who from the GWAC should be involved in the planning committee. Erich Gunther indicated his interest.

Action Items:

- *Steve Widergren will work with GWAC to develop important messages from the GWAC for ConnectivityWeek and the GridWise Expo.*
- *Ron Ambrosio and Steve Widergren will propose GWAC representation for GridWeek planning.*

OASIS Introduction and Collaboration Prospects

Presentation by Laurent Liscia via telecom

OASIS is a non-profit consortium with a scope beyond web services. The OASIS Blue Initiative is chaired by Toby Considine, and supports OpenADR and federation that complements IEEE's work. Laurent conveyed three items¹: 1) Request that GridWise and OASIS become members of each other's organization. 2) OASIS would like to support GWAC by offering time and their process to the Council. 3) Create a coalition for visibility of concerns to the new administration.

Response from the Council: The differences were clarified between the GWAC and the GridWise Alliance. Ken Wacks is already a member of OASIS, and can serve as the representative. Reports for the DEWGs should be focused, and not choose exclusively XML solutions. GWAC is working

¹ The OASIS proposal to the GridWise Architecture Council is attached at the end of the minutes for reference.

with NIST to promote a framework for interoperability, and standards developed would be in that context. GWAC needs to be independent from specific standards groups, of which OASIS is one of many.

Ron Melton feels it would be good to get OASIS people involved in the NIST DEWGs, and Ron Ambrosio suggested that OASIS could help identify which of their WGs have relevant work (like oBIX), and help to get the word out encouraging participation – these are not OASIS staff, but rather member-organization employees. Anto Budiardjo pointed out that there is a lot of energy and interest from the Enterprise domain that is represented in OASIS, and that is something to take advantage of. Ron Ambrosio said that OASIS has strong relevance in the intersection of smart grid operations and utility business processes. This is the enterprise web services space, and it's intersection with smart infrastructure – markets and pricing events, etc. are an example from the DER management category.

Action Items:

Steve Widergren will distribute OASIS material from Laurent Liscia to the GWAC.

Interoperability Benefits Papers

All contracts continue to struggle separating smart grid and interoperability benefits. Harbor Research is rewriting the Financial Benefits paper to address comments from the review committee. It is expected late in January. E-Source is responding to suggestions regarding organization of the Environmental Benefits paper and creating better links to interoperability. Alison Silverstein submitted the first draft of the Reliability Benefits paper and review comments were returned. Lessons learned will be reviewed towards the end of this process and consideration given on how to move forward with a Consumer Benefits paper. Mike Oldak noted issues that EEI has had on their smart grid paper, and that is resulting in a new start to that document. They are interested in continued GWAC input.

Capability Maturity Model

Presentation by Austin Montgomery, Software Engineering Institute – Carnegie Mellon

The Software Engineering Institute (SEI) is administered by Carnegie Mellon University. The capability maturity model (CMM) and subsequent CMM for Integration (CMMI) focuses on the process of development and integration using structures that help organizations examine the effectiveness of their processes, establishes priorities for improvement, and helps implement these improvements. Also briefly reviewed the Smart Grid Maturity Model (SGMM) developed by the Global Intelligent Utility Network Coalition (IBM and 9 large utilities in US, Europe and Asia). The CMM material serves as background for both the SGMM and an Interoperability Maturity Model that the GWAC is considering drafting for smart grid.

Response from the Council: One contrast with the CMMI is that the SGMM is a functional maturity model, whereas the CMMI is a process maturity model. The five levels don't account for the cost vs. benefit at each step. Individual assessment of utilities can be helpful, but would have resistance if there was a fear of comparison beyond self-assessment; the SGMM is not calibrated - it can't (and shouldn't) be used as an absolute measurement metric, only as a relative assessment tool that utilities can use for planning and measurement of progress against those plans.

GWAC Interoperability Maturity Model

Steve Widergren noted that it was difficult to measure progress on improving interoperability and ease of integration of smart grid systems. An interoperability maturity model (IMM) can provide guidance for improving interoperability at the community level, and encourage awareness of the issues and steps to address them. The IMM is based on the SEI CMMI and the idea comes from work done in the e-health area by NEHTA. Should an IMM for smart grid be developed, it can be used as an education tool, a self-assessment tool, and a national assessment tool. Interviews based on an IMM, possibly coordinated with SEI, could be conducted in a non-threatening manner, where individual results are protected and progress discussed from the pool of responders. Ken Wacks cautioned the Council not to slant the questions to imply judgment about the lack of interoperability, because some companies may actually try to avoid interoperability.

Ron Ambrosio proposed that a team be formed that will report back at the next meeting. Alex Levinson, Dave Hardin, and Richard Schomberg expressed interest from the GWAC (Ron Ambrosio would like to be on copy to keep aware of activities and progress). Terry Oliver also expressed interest and Erich Gunther said he could recommend someone from EnerNex. In addition, a representative from NIST and a representative from SEI were volunteered to be a part of the team.

Action Items:

GWAC Administration will form an IMM team and report back at the next meeting.

GWAC Interoperability Message for New Administration

With the new Obama administration, much attention is focused on smart grid issues. To be viewed as a resource, it was discussed that perhaps GWAC needs to increase awareness outside of the DOE. For example, NIST is under the Department of Commerce. Lynne, Ron Ambrosio, Joe Bucciero, and Erich discussed a combined white paper with the GridWise Alliance. This is a chance to establish a relationship with the transition team, and a congressional relationship will flow from there.

Mike Oldak urged that the Council work to be a part of a group of organizations that included DOE, NIST, GWA, EEI, EPRI, etc.. This will have a larger impact on the new administration. It was

suggested that a joint congressional event with NIST/DOE be organized. Nora Brownell suggested a flyer with the “top ten” ideas the Council wishes to get across. She also suggested dropping notes to the Secretary’s Chief of Staff to be named soon, as well as to known members of the transition team. It will be important to offer assistance for decisions, and to not be viewed as requesting funding. James Mater said the GWAC website should be updated to focus on the smart grid knowledge of the Council and mention “modernizing the grid”. Steve reminded the Council that it is important to keep DOE in the loop on their activities. Joe Hughes offered that the first bullet should be that systems need to be built correctly, and to not shy away from using the word architecture in that context.

GWAC should also work with NIST and FERC to set up briefings with DOE, NIST, and FERC to present the Council’s mission and plans that can assist them with each organization’s objectives. The GWAC created a team for this effort: Nora, Lynne, Ron Ambrosio, Erich, Mike Oldak, a NIST representative, and Steve or Ron Melton.

Action Items:

GWAC Administration Outreach team formed to develop the messaging and channels to the new administration and report back at the next meeting. GWAC Administration will schedule a separate call for this team.

DEWG Coordination

I2G – Dave Hardin reported that the Industrial to Grid DEWG currently has 20 members, with approximately 10 members at each teleconference. They are working to synch their activities with B2G and other DEWGs. Their focus is to develop a crisp vision for industrial end users. They are trying to bring more industrial users into the DEWG. The ISOs and utility users are interested but have other priorities at the moment. The I2G DEWG will hold a face-to-face I2G meeting at Connectivity Week and will plan an expo for the October timeframe. I2G will also be represented at the B2G Summit.

Question raised about data centers: Ron Ambrosio: said it probably fits best in B2G, because there is a strong linkage to building HVAC management and overall energy management (in addition to what can be done in the IT equipment itself). Dean Samara-Rubio said that due to large scale of data center operations, there are also synergies with I2G. Ron, Steve, Dean will connect and reach out to data center community (Ron owns the action) - also include Dave, Jack, and NIST: Stouffer and Holmberg; Lynne also interested from B&P perspective. We need to decide where to anchor this topic: B2G or I2G. Other relevant data center information and comments:

- The Green Grid
- Climate Savers
- Ron Jarnigan: ASHRAE working group that is led by an IBM Green Grid person.

- Anto: There's a track at Connectivity Week on Green Data Center, and he's working with Silicon Valley Leadership Group on it.

B2G – Ron Jarnagin stated that the Buildings to Grid DEWG is up to 38 members, and have been holding weekly teleconferences. Meeting minutes and use cases have been posted on the TWIKI. A B2G Summit will take place during the ASHRAE Winter Meeting in Chicago the week of January 19 in Chicago. They will create a road mapping plan to bring others in, and need more utility representation. Mike Oldak offered EEI's help to find utility representatives.

T&D – Separate teleconferences were held for Transmission and Distribution, respectively. During their recent teleconference, an outline was developed for whitepapers. Francis Cleveland is leading the distribution automation paper, Floyd Galvin is leading the WAMACC GPS Synchronization paper, and Terry Mohn with Alex Levinson has been writing papers related to demand response. These are available on the UCA Users Group website. Other topics suggested during the meeting were distributed energy resources, asset management (including substations), and integrating renewables. Going forward, the structural organization of the T&D DEWGs needs reevaluated.

BnP – Separate calls were scheduled with task teams within the larger Business and Policy DEWG. One task team worked on a taxonomy to categorize and prioritize problems. Organizations such as AARP and utilities have a varying understanding of smart grid. The DEWG needs to decide what should be done with the taxonomy. The taxonomy will be sent to larger DEWG for input and some of the bullets need to be defined. Terry Mohn said that the GridWise Alliance would like to help with the education and outreach of this DEWG, and requested that Kathleen Hamilton join the calls.

H2G – The purposes of the Home to Grid DEWG have been posted on the TWIKI, and a document has been distributed on requirements for standards in home networking. Separate groups may be formed, such as plug-in electric vehicles.

Cyber-Security – NIST is going to organize this area as a focus group that cuts across the other DEWGs. DOE also has efforts going on in the smart-grid cyber-security area where information should be shared.

Steve Widergren mentioned that consistency is needed between the DEWGs, especially in the area of information modeling and business-process modeling. Both are needed to identify gaps in domains.

Action Items:

Ron Ambrosio will coordinate a follow-on discussion about how to address data centers. Steve Widergren, Dean Samara-Rubio, Dave Hardin, JackMcGowan, Lynne Kiesling, and Holmberg and Stouffer from NIST.

Information Modeling

Presentation by Dave Hardin

Dave explained the need for a neutral, common approach to information modeling that is shared across the various NIST teams and DEWGs. The semantics and organization of information being exchanged across and interface of interest should be modeled using the same methods and tools for all the DEWGs.

Business Process Modeling

Presentation by Alex Levinson

The Department of Defense uses inherent interoperability, but instead of using the phrase “interoperability” they use “business process modeling.” Business modeling may include IT and manual operations. Jerry FitzPatrick would like to form a small task force to address modeling issues, and will offer NIST participants. Others who volunteered for this task force include Dave Hardin, Alex Levinson, Joe Hughes, and Erich Gunther.

Action Items:

GWAC Administration will form a team to address modeling issues. (due 6 March 09)

UCC for Interoperability

The Uniformed for Commercial Code for business contracts has provided a large degree of commonality for creating contracts with entities in different states. Though each state has their own contract laws, they communicated in a mutually understood way. The UCC is maintained by a non-government group with state representation. In a similar way, this approach may be used analogously for developing interoperability agreements that take into consideration the specialization possible for each state or contracting party. The origin of this idea came from Rik Drummond. This will be discussed at the next BnP DEWG conference call. This may take the GWAC Decision-Maker’s Checklist to a new level. Joe Hughes suggested that Ron Melton contact Professor Deirdre Mulligan concerning AMI privacy laws.

UNITE Smart Grid Efforts

Discussion with Randy Lowe and Kevin Ansley

UNITE is a collaborative of electric utilities coordinating common information technology challenges. Smart grid is one of their areas attention. The efforts that UNITE is making in the smart grid space were presented. They would like to become engaged with the NIST DEWG efforts, particularly in the H2G and Cyber Security groups. During the discussion, UNITE said that they will consider if a NIST/GWAC presentation on interoperability and standards would be helpful at one of their meetings. Ron Ambrosio offered to present GWAC/DEWGs to UNITE. UNITE will be in touch with next steps. Randy Lowe will be their representative to the Council.

USB

Presentation by Peter Shaw

The Utility Standards Board was started one year ago with six utility companies: Dominion, AEP, ComEd, HydroOne, Duke Energy, Pepco Holdings, and PECO. They are interested in collaborating with GWAC. They are focused more on customer-based processes than T&D, and heavily use existing work done by NRECA's MultiSpeak, IEC 61968, and CIM. Voting members are from the utilities, and vendors may participate as non-voting member. The meeting attendees discussed potentially overlapping efforts and expressed their desire for alignment. Jerry FitzPatrick and Ron Ambrosio were invited to attend a USB meeting on April 1-2 at Duke Energy in Cincinnati.

Action Items:

- *NIST/GWAC and USB representatives to hold conference call to review overlaps and potential alignment. Possible GWAC/NIST participation in April 1-2 USB meeting to be addressed.*

Intel

Discussion with Dean Samara-Rubio

Intel provides the base level technology for intelligence in smart grid automation systems. Their objective is to build flexible products that support many functions including smart grid capabilities. Intel is interested in the smart grid concepts and will be monitoring the interoperability progress of the GWAC.

Grid-Interop 09

A target date for the next Grid-Interop was set for November 17-19, 2009. Suggested locations included Denver or Chicago. After discussing site visits from Clasma, the Council and NIST agreed to target Denver as the meeting site. We are targeting about 250 to 300 attendees. The planning for the meeting will begin soon with the assembly of a planning committee and a program committee. The program committee will develop a session agenda and solicitation of papers and presentations related to our interoperability work. By May, the Program Committee should ask for abstracts. Clasma will send out a "save the date" preliminary announcement. It was also suggested that an international slant is incorporated into the agenda.

GWAC Directions

Steve Widergren presented the progress made thus far by the GWAC and the need to review GWAC directions now that NIST's efforts to develop an interoperability framework are taking

shape. The Interoperability Path Forward document needs updating to reflect the present state and desired directions. Stephanie Hamilton suggested that GWAC needs to engage the FERC/NARUC Collaborative more directly.

Action Items:

- *GWAC Administration to develop a plan for material to communicate GWAC directions and update the interoperability path forward in coordination with NIST's plans. (due 3 April 09)*

Summary of New Action Items

Item	Owner	Due Date
Steve Widergren will look into the potential benefit of adding an anti-trust statement to the Proprietary Notice statement that begins each meeting.	Widergren	
Heather Kuykendall will update the agreed to changes to the meeting minutes of Dec 12, 2008.	Kuykendall	23 Jan 09
Heather Kuykendall update the calendar item sent to Council members for the March web meeting to reflect the time change.	Kuykendall	23 Jan 09
Jerry FitzPatrick (NIST) will consider a plan for releasing a version of the knowledgebase in time for Grid-Interop 09.	FitzPatrick	
Steve Widergren will work with GWAC to develop important messages from the GWAC for ConnectivityWeek and the GridWise Expo.	Widergren	
Ron Ambrosio and Steve Widergren will propose GWAC representation for GridWeek planning.	Ambrosio, Widergren	
Steve Widergren will distribute OASIS material from Laurent Liscia to the GWAC.	Widergren	31 Jan 09
GWAC Administration will form an IMM team and report back at the next meeting.	GWAC Administration	6 Mar 09
GWAC Administration Outreach team formed to develop the messaging and channels to the new administration and report back at the next meeting. GWAC Administration will schedule a separate call for this team.	GWAC Administration	6 Mar 09
Ron Ambrosio will coordinate a follow-on discussion about how to address data centers. Steve Widergren, Dean Samara-Rubio, Dave Hardin, JackMcGowan, Lynne Kiesling, and Holmberg and Stouffer from NIST.	Ambrosio	6 Mar 09
GWAC Administration will form a team to address modeling issues.	GWAC Administration	6 Mar 09
NIST/GWAC and USB representatives to hold conference call to review overlaps and potential alignment. Possible GWAC/NIST		

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participation in April 1-2 USB meeting to be addressed.		
GWAC Administration to develop a plan for material to communicate GWAC directions and update the interoperability path forward in coordination with NIST's plans.		3 April 09

OASIS proposal to the GridWise Architecture Council

Background

OASIS is one of the three standards consortia, along with IETF and W3C that are critical to the Web services landscape. We have 300+ corporate members, hundreds of individual members, and thousands of people involved in our technical committee work. We have a relationship with de jure bodies (ISO, IEC, ITU-T). Over the past few years, the scope of our TCs has gone largely beyond Web services to include Security, Global Positioning and even forestry.

More relevant to today's topic, we have an OASIS blue initiative:

<http://www.oasis-open.org/resources/white-papers/blue/> This initiative grew out of our work in several areas, including eCommerce and most of all, smart buildings, via the oBIX TC chaired by Toby Considine. OASIS blue proposes to foster the proper environment for the emergence of SmartGrid standards. When it comes to load and dynamic pricing, many pieces of the puzzle are already in place at OASIS. We have developed a special interest in OpenADR, which we see as an excellent first step towards the SmartGrid, and possibly a federating specification for all players in the grid space.

Federation is the key word: that is ultimately what I would like OASIS to be. Because I personally believe in conservation via optimization as the strongest pillar of a sustainable energy policy, while renewable energy ramps up in the next three decades, I am steering OASIS in this direction; I am committed to making OASIS the premier environment for SmartGrid standards. This may be puzzling at first. Why not do the work in IEEE? Some of it undoubtedly will be done in IEEE. But much complementary work will focus on devices being able to negotiate load & price with the Grid directly, via software agents: this is where OASIS contributors have excelled.

Significant headway

We've already made significant headway. We have a discussion list: smartgrid-discuss@lists.oasis-open.org that has already generated interest and participation from many of you, including Bill Cox and Toby Considine. I believe the list is laying the groundwork for a path to SmartGrid standards. We have a relationship with Clasma events that will allow us to present a standards track at Grid Interop, Connectivity Week and other such events. We have liaised with Lee Coogan of Gridwise Alliance, with whom you have a close relationship, Obviously I am speaking here today. And Steve Widergren has served as my mentor in all things SmartGrid. Steve is a veritable encyclopedia, and he has filled some of the more egregious gaps in my layman's knowledge of energy issues. His support has been invaluable to me.

Our proposal

I would like to give the Architecture Council something in return. A three-legged proposal:

1. Gridwise and OASIS at large could become members of each other, as a barter. The Council itself would be given special membership. I realize the Council cannot be seen to favor a particular standard body – but I also believe that work should go where interest is keenest. Also, we will be creating a Member Section around SmartGrid. Member Sections have a looser structure than TCs. They may have their own branding and way of doing things. Although they benefit from the full IPR policies and standards process that OASIS offers.

2. We wish to support the Council's effort in every possible way, liaise, and make our time available to you

3. We believe that it is critical to get on the new administration's radar screen: let's create the coalition to make this happen.