

## Meeting Minutes June 12, 2009

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As Chairman Ron Ambrosio had to attend by telephone, Richard Schomberg led the meeting that was held 8:30 a.m. – 2:30 p.m. on Friday, June 12, 2009 in Santa Clara, CA.

### Members

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Ron Ambrosio, IBM T.J. Watson Research Center  
(by phone)  
Robert Burke, ISO New England  
Rik Drummond, Drummond Group  
Erich Gunther, EnerNex Corporation (by phone)  
Stephanie Hamilton, EPRI (by phone)  
David Hardin, Invensys Process Systems  
Tracy Markie, Engenuity  
Robert Saint, NRECA  
Richard Schomberg, Electricite de France  
Ken Wacks, supported by GridPlex

### Members Emeritus

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Joe Bucciero, Bucciero Consulting, LLC  
Dave Cohen, Infotility (by phone)  
Wade Troxell, Colorado State University (by phone)

### Support - PNNL

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Ron Melton, GWAC Administrator  
Steve Widergren, former GWAC Administrator  
Heather Kuykendall, GWAC Support (by phone)

### Speakers and Guests

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Anto Budiardjo, Clasma Events  
Toby Considine, Univ. of North Carolina  
William Cox, Cox Software Architects  
Jerry FitzPatrick, NIST  
L.D. Gussin, independent  
David Holmberg, NIST  
Joe Hughes, EPRI (by phone)  
James Mater, Quality Logic  
Ray Palmer, FERC (by phone)  
Ron Sackman, Boeing  
Jimmy Su, Netgear  
David Wollman, NIST

### Members (not present)

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Nora Brownell, ESPY Energy Solutions  
Lynne Kiesling, Northwestern University  
Alex Levinson, Lockheed Martin

## Proprietary Information Notice

The members and guests were reminded of the proprietary information disclosure policy according to the Bylaws.

## Agenda Review

Items added to the agenda: Decision Maker's Checklist Update; Review of ISO/IEC JTC1 Standard  
Ron Ambrosio has out for balloting

## Administrative Business

- Meeting minutes from May 21-22 meeting – not ready for review. No action taken.
- Upcoming events review and GWAC meeting schedule
  - Next GWAC meeting will be in Knoxville, TN on August 5-6. Plan for full day meetings both days.
  - Grid-Interop 2009 on site planning meeting in Denver on August 11-12. (The group discussed moving either the GWAC meeting or the planning meeting to the same week. It was concluded that this was not workable.)
  - GWAC ½ day meeting on Thursday, September 24, 2009 at the Ronald Reagan Building in Washington, DC. This is the afternoon of the last day of GridWeek which concludes at noon.
  - GWAC web conference calls tentatively scheduled for Friday, October 30<sup>th</sup> and Friday, December 11<sup>th</sup>.
  - GWAC face-to-face meeting tentatively scheduled for January 28-29, 2010 adjacent to B2G Summit meeting.
  - ConnectivityWeek 2010 will be held in Santa Clara, CA, on May 24 – 27, 2010.

## Decision Maker's Checklist Update

James Mater made a presentation at ConnectivityWeek about a possible update to the Decision Maker's Checklist with questions to help one verify that a vendor has or is making progress towards having interoperable products. James has offered to work with GWAC to update the checklist to include this material. James offer was accepted by the council as a part of a broader update of the checklist. Others have also suggested potential updates, in particular Erich Gunther and Alison Silverstein collected comments since the checklist was first issued. A working group consisting of Rik Drummond, Joe Bucciero, and Ron Ambrosio will undertake an update of the checklist with input from James Mater and others.

ACTIONS:

- Ron Melton to work with the Council to solicit input from Alison and Erich and to edit a new version of the checklist. Target for a first draft is late July or early August.

## **ISO/IEC 18012-2, Product Interoperability**

Ron Ambrosio is the editor of an international standard, ISO/IEC 18012-2, Product Interoperability, that is being balloted by the voting nations of ISO/IEC JTC1/SC25. GWAC is a liaison member of SC25 and is entitled to submit comments. Ken Wacks is the convener (chair) of ISO/IEC JTC1/SC25/WG1, the working group where this standard is being developed. Although the formal ballot closes in a few days, comments from GWAC are welcome at any time.

The discussion of the specific standard balloting led to a broader discussion of how to get support from the European community for the work that GWAC and NIST are doing. Several activities including work on integrating large clusters of distributed generation as virtual power plants and Richard Schomberg's efforts in forming the IEC Smart Grid Strategy Group were mentioned. Richard reported that the IEC group has identified approximately 25 standards associated with 19 technical committees that need to be reviewed. The strategy group is developing a tactical plan similar to the NIST road map. It was also pointed out that there is an international track on the Monday of GridWeek and GWAC members were urged to attend.

ACTIONS:

- Ron Ambrosio to distribute the Committee Draft of the standard for review.
- Invite European interested parties to GWAC meeting to be held on the Thursday of GridWeek
- Richard Schomberg would like input on how to use the IEC standards (There is a list posted on the IEC web site. As an aside it was pointed out that there is an IEC Use Case Methodology that has not been included on the NIST or IEC lists of smart grid related standards.)

## **IEEE P2030 Meeting Report**

The council was represented at the IEEE P2030 meeting by Erich Gunther, Robert Saint and Ron Melton. Erich had not yet joined the GWAC meeting by phone when this topic was discussed.

Ron Melton summarized the meeting for the group and expressed concern that the meeting organizers did not choose to build on the work of NIST or GWAC to establish a

starting point for the activity. There is concern that IEEE-SA is going to repeat much of the work already done by NIST in developing the interoperability standards road map and by GWAC on the overall topic of interoperability.

The next IEEE P2030 meeting will be hosted by IBM in October. Between now and then the three IEEE P2030 task forces (Power Engineering, Information Technology, and Communications Technology) will have teleconferences and possibly face-to-face meetings. Ron and Robert both participated in the Information Technology (IT) group where Ron was able to present the smart grid conceptual model diagrams from the NIST efforts and a presentation on the Interoperability Context Setting Framework. Participants in the IT task force were urged to start by becoming familiar with the NIST road map when it is released.

George Arnold was a key note speaker at the P2030 meeting. Ron and Robert expressed concern that he did not strongly emphasize specific NIST needs.

## **NIST Activities and Coordination**

Given the concern expressed about George Arnold's presentation to the IEEE P2030 meeting this discussion started with a quick review of the slides he used at that meeting. The slides do contain specific IEEE standards that NIST would like to have IEEE review and update. Although George did cover those slides he did not strongly emphasize the needs. In the opinion of Ron and Robert the request had little or no impact on the discussions at the IEEE P2030 meeting.

Jerry Fitzpatrick made a short presentation regarding the current status of the road map document. The road map should be released soon (it was released on June 18<sup>th</sup>). A formal request for comment will be published in the Federal Register soon after the public release. NIST would like formal comments from GWAC. Jerry and the NIST team discussed the general changes that have been made in the document during their review of EPRI's deliverable to NIST.

NIST is planning another workshop in July to engage the standards development organizations (SDOs). GWAC members provided input that formal engagement of the SDOs requires at least 30 days of lead time. NIST was urged to keep that in mind when scheduling the meeting.

The general purpose of the meeting will be to align the activities of the SDOs with the needs identified in the NIST road map. The specific details on organization of the meeting are still being worked out. It may be an invitation only meeting. In any case the current expectation is that only limited participation by GWAC will be needed. Attendance by Ron Ambrosio will probably be sufficient.

ACTION:

**GWAC Review of NIST Road Map**

- NIST to provide document release date (document released on June 18<sup>th</sup>)
- Four calls will be scheduled based on release date
- GWAC members will download the document
  - Call 1 will be a general discussion during which assignments will be made for developing specific sets of comments
  - Call 2 will be to review and discuss the specific sets of comments
  - Calls 3 (and 4 if needed) will be to finalize comments for formal submittal to NIST

**GWAC Review of FERC Demand Response Paper**

Ron Ambrosio has discussed a GWAC review of the FERC Demand Response paper with David Kathan. There was some confusion earlier in the year between this document and the FERC Smart Grid Policy document. The council has submitted formal comments on the latter.

At the 2<sup>nd</sup> NIST workshop David Kathan renewed his request for GWAC to review the demand response document. He would like to get comments by the end of June.

Ray Palmer expressed the possibility that review is no longer needed.

ACTIONS:

- Ray Palmer to confirm that review is still needed
- GWAC members review document and provide comments.
- Schedule teleconference with FERC to discuss GWAC comments [Note: with the review of the NIST road map taking place we may have difficulty in meeting David's request for a review by the end of June.]

**MultiSpeak® Presentation by Robert Saint**

Bob Saint made a presentation about MultiSpeak. The presentation covered both the history of the development of MultiSpeak and the current content of the specification. Though MultiSpeak is not a standard from an accredited standards organization, there is

currently an effort underway to harmonize MultiSpeak and IEC 61968 – the Common Information Model. MultiSpeak is supported by a combination of utilities and vendors through an annual subscription process. The current version (4.0) of the specification is only available to members.

ACTION:

- Bob Saint agreed to look into providing the council members with limited time access to the MultiSpeak material so they could become more familiar with it.

### Interoperability Maturity Model

The GWAC Interoperability Maturity Model (GIMM) efforts were briefly discussed. Steve Widergren led a Connectivity Week panel session on the topic. Currently the team is working out foundational questions regarding the purpose, approach and basis of the model (for example process focused versus functionally focused.)

Action Item	Assigned To	Due Date
Distribute the Committee Draft of the standard for review.	Ron Ambrosio	
Invite European interested parties to GWAC meeting to be held on the Thursday of GridWeek	Melton/Ambrosio	
Richard Schomberg would like input on how to use the IEC standards (There is a list posted on the IEC web site.)	Council	
Review the NIST Smart Grid Roadmap.	Council	July 31, 2009
Review the FERC Demand Response paper if time allows.	Council	June 30, 2009
Look into providing the council members with limited time access to the MultiSpeak	Saint	

material so they could become more familiar with it.		
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