



**GridWise Architecture Board Kick-Off Meeting**  
**WebEx, hosted by PNNL, Richland, Washington**  
**May 26, 2004**

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**Meeting Minutes**

The meeting was held from 11:00am to 1:00pm PDT and led by Steve Widergren. The following individuals were present:

**Architecture Board Members**

Ron Ambrosio, IBM T.J. Watson Research Center  
Jay Britton, AREVA-T&D Corporation  
David Cohen, Infotility  
Rik Drummond, Drummond Group Inc.  
Albert Esser, Emerson Network Power  
Erich Gunther, EnerNex Corporation  
Stephanie Hamilton, Southern California Edison (SCE)  
Larsh Johnson, eMeter Corporations  
Jack McGowan, Energy Control Inc.  
Vito Stagliano, Calpine Corporation  
Wade Troxell, Colorado State University  
Eric Wong, Cummins Inc.

**Architecture Board Support**

Steve Widergren, PNNL  
Mia Bosquet, PNNL

**Guests**

Eric Lightner, DOE OETD  
Rob Pratt, PNNL  
Phillip A. Niedzielski-Eichner, Resource Consultants, Inc.

## Welcome to the GridWise Architecture Board

The first order of business was to welcome and introduce those present.

Eric Lightner of the DOE Office of Electric Transmission and Distribution greeted the newly formed Architecture Board and explained that these efforts are among the top priorities for his program, especially after last year's August black-out and subsequent investigations.

Rob Pratt gave a condensed overview of the GridWise vision. In response to Vito Stagliano's question of whether these ideas are issues, objectives or conclusions, Rob answered that the GridWise vision can be seen as a challenge—provocative statements of a goal.

Steve Widergren presented the motivation, objectives and deliverables of the GridWise Architecture Board. Steve prefaced this presentation by indicating that in developing these initial ideas and descriptions of the Architecture Board, our intent is to provide a starting point for the Board, with the understanding that the Board will develop and adopt these ideas as they see fit.

## Introduction of Architecture Board Members

Each Board member briefly presented his or her current position, relevant background, and motivation to serve on the Board.

## Administrative Business

Mia Bosquet provided a summary of current administrative business for the Board, presenting issues or explaining how we propose to proceed regarding a charter or bylaws, the Architecture Board name, DOE support, meeting frequency, candidates for the 13<sup>th</sup> seat, the Architecture Board public website, and a web-based work area. Specific points raised are summarized below.

### **The Architecture Board Name**

The name "architecture board" has its heritage in software technology groups with some similarities to our group. Usually this "board" is part of a larger organization, as in the OMG's AB or the IETF's Internet AB.

As related organizations were maturing over the past 2 years, the GridWise Architecture Board name has created confusion on two fronts. First the GridWise Alliance has a Board of Directors commonly referred to as the "Board". Second, the E2I CEIDS IECSA (Integrated Energy and Communications System Architecture) uses the term "architecture" to mean "an open, standards-based set of blueprints for integrating power and communications systems to improve the reliability, quality, and security of our electricity." As DOE and the GridWise Architecture Board will likely be working closely with both of these groups, the GridWise Architecture Board was asked to change their name to better distinguish themselves from these two related activities. In fact, we are not a board of directors nor do we aspire to be an architecture in the sense of creating blueprints or standards (too much mud -- though we intend to inspire such things, as well as be knowledgeable of existing and emerging specifications and standards).

For these reasons, the GridWise Architecture Board Administrators have agreed to entertain a name change as one of the first orders of business of the Board. We encourage your thoughts on creating a new name and we will gather suggestions for your review. The topic will be open for discussion at the July meeting.

### Meeting Frequency

Jack McGowan suggested the possibility scheduling a meeting in connection with BuilConn in the future. Jack has spoken of this with Anto Budiardjo (BuilConn organizer, Clasma, Inc.).

Other co-locating opportunities may also be sought with CABA, OMG, or other related efforts.

### Candidates for the 13<sup>th</sup> Seat

Individuals currently in operational positions tend to have very little time available; a recent retiree may be more feasible (but then may not fulfill the criteria of having a *current* affiliation with a transmission or distribution operator). Vito Stagliano suggested including RTOs and ISOs in the target companies. Stephanie Hamilton suggested we include looking at deregulated states. Also, we should consider the different implications of planning versus operations experience.

### Websites

For a web-based working area, Erich Gunther may be able to help with hosting if the PNNL external SharePoint service does not become available (PNNL info-services aim to have this tool available for our needs by June or July, but we currently have no guarantee on these dates).

## July 13-15 meeting

Locations under consideration for the Architecture Board July gathering are Denver, Dallas, and St. Louis. We welcome suggestions for practical and convivial hotels or conference venues located with reasonable travel times to the airports in these cities.

The agenda for the July meeting is under construction, with a mix of informative and interactive topics along with necessary administrative business. Presentations covering related efforts will be helpful in lightening the load of background reading.

Rik Drummond has volunteered to create a list of interoperability issues.

## Homework

Board members are invited to send background or thought provoking literature to be included in an annotated bibliography for all members.

Draft governance documents will be sent to members for review prior to the July meeting. Ideas and suggestions are welcome.

We encourage your thoughts on creating a new name for the Architecture Board and we will gather suggestions for your review. The topic will be open for discussion at the July meeting.

We encourage your thoughts on agenda items for the July meeting and later meetings.

## Comments & Questions

Eric Lightner invited Phil Niedzielski-Eichner to join this WebEx. Phil is helping OETD undertake a coordination effort among the Federal agencies to better harmonize their electric grid protection, transmission reliability, and enhanced distribution systems efforts by assembling an interagency working group.

Jack McGowan would like to chronicle the existence of this Board in his column. This is a very welcome proposal. He will target doing this for an October column.

Another possibility may be a column in ePower.

David Cohen reminded us of the parallels between the W3C (World Wide Web Consortium) architecture activities and the GridWise Architecture Board.