



GridWise® Architecture Council

Transactive Energy Workshop

February 5-6, 2013

Atlanta, Georgia

The next GWAC Workshop is scheduled for February 5 – 6, 2013 in General Electric’s Grid IQ Experience Center in Atlanta, Georgia as a part of the Council meeting. There is no charge to attend and the meeting will include a tour of the Grid IQ Experience Center.

Transactive energy refers to techniques for managing the generation, consumption or flow of electric power within an electric power system through the use of economic or market based constructs while considering grid reliability constraints. The term “transactive” comes from considering that decisions are made based on a value. These decisions may be analogous to or literally economic transactionsⁱ

This workshop will continue the work of the Council focusing on interoperability and standards considerations for transactive energy, discussing the benefits of extending the market based economic model throughout an electric power system, discussing different dimensions such as regulatory and technical aspects, summarizing examples of current examples of transactive energy approaches and their relationship to current systems and practices, identifying open issues and finally discussing the future of transactive energy.

Special speakers will be announced as the workshop date approaches.



General Electric’s Grid IQ Experience Center in Atlanta, Georgia

Background

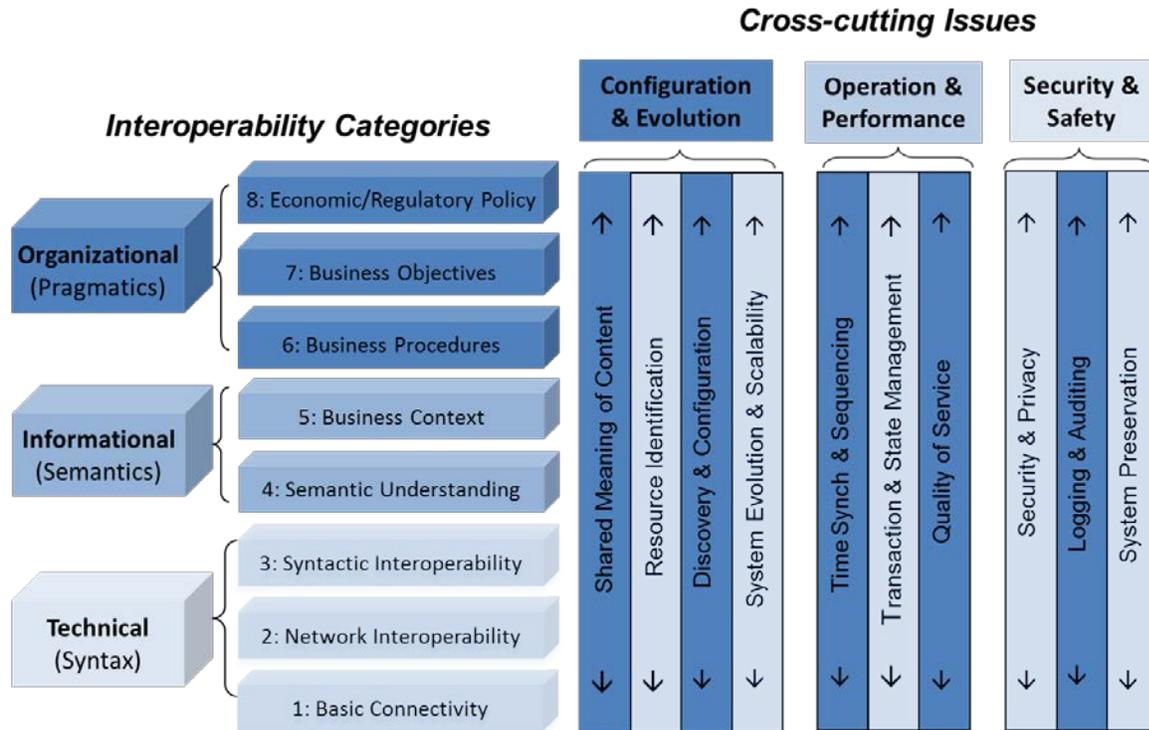
The GridWise® Architecture Council (GWAC) was formed by the U.S. Department of Energy to promote and enable interoperability among the many entities that interact with the nation's electric power system. The GWAC members are a balanced and respected team representing the many constituencies of the electricity supply chain and users. The GWAC maintains a broad perspective of the GridWise vision and provides industry guidance and tools that make it an available and practical resource for the various implementations of Smart Grid technology.

One of the tools created by the Council is the “Interoperability Context Setting Framework” which is the source of the widely-used “GWAC Stack” shown below. The top layer of this stack addresses the need to consider the non-technical regulatory and policy dimensions to interoperability as a part of



implementing smart grid technology. In other words, achieving smart grids requires not just technological solutions, but also involves informational and organizational challenges.

Interoperability Framework



GWAC Interoperability Context-Setting Framework, aka GWAC Stack

To promote discussion within the broad stakeholders of the electric power system, GWAC has planned a series of workshops to examine practical application of these tools and solutions that transform conventional grids into smart grids.

Please contact Sherry Kowalski to reserve your space at this workshop.

Sherry Kowalski

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Find GWAC new and information at:

- www.gridwiseac.org
- <https://twitter.com/#!/GridWiseAC>

ⁱ 2012 Transactive Energy Workshop Proceedings - PNNL-SA-90082.
(http://www.gridwiseac.org/pdfs/tew_2012/tew_2012_proceedings.pdf)