



Open Smart Grid Subcommittee

Organization and Overview

Erich W. Gunther

UCAIug Board Member

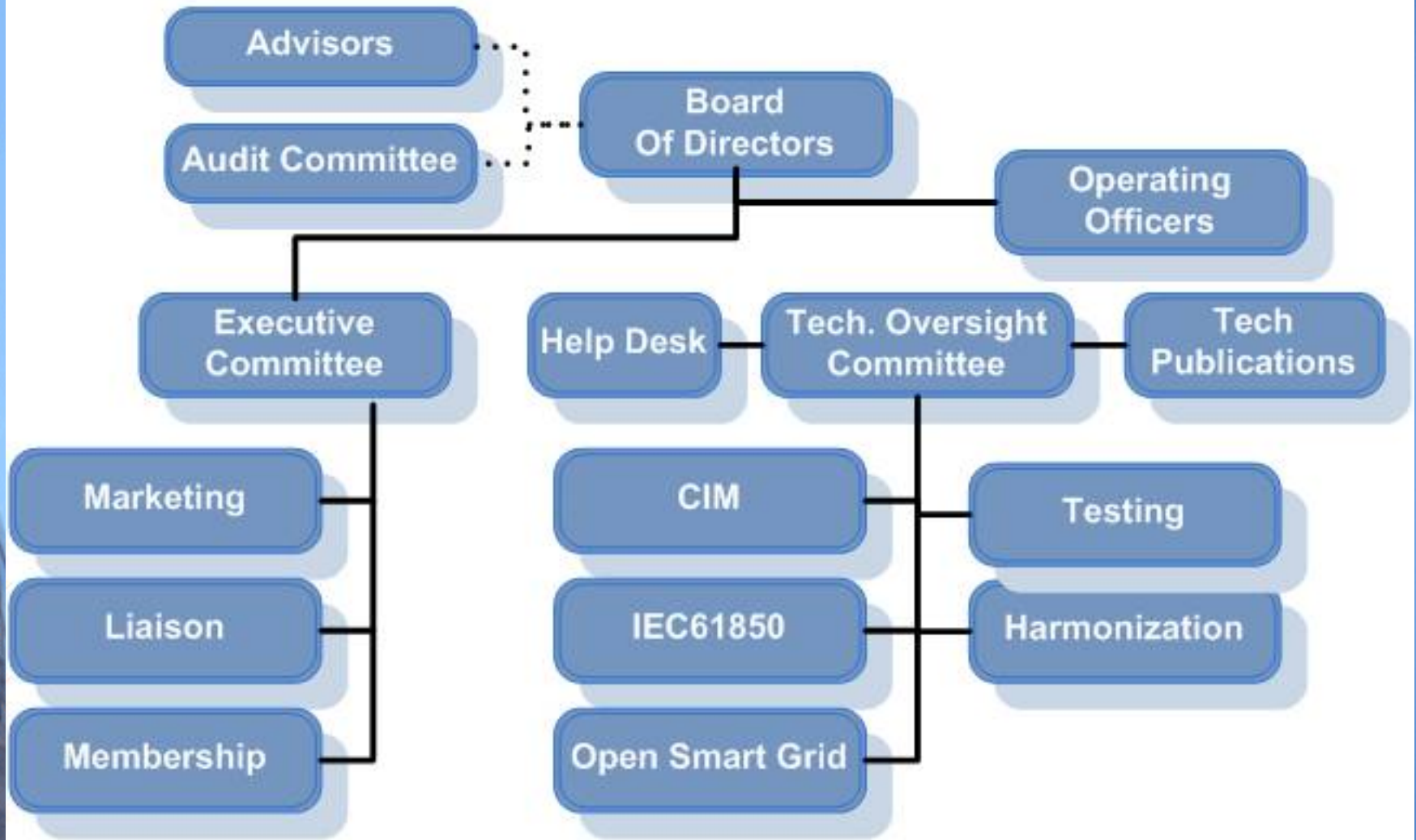
UCA International Users Group

- Incorporated in June 2002 as a 501(c)(3) Corporation
- Organization supports individual and corporate members
- 111 corporate members
- Members from 29 countries
- Hundreds of “friends of UCAIug” – members of our various informative list servers

UCAlug Mission (from charter)

- The mission of the UCA International Users Group is to enable utility integration through the deployment of open standards by providing a forum in which the various stakeholders in the utility industry can work cooperatively together as members of a common organization to:
 - Influence, select, and/or endorse open and public standards appropriate to the utility market based upon the needs of the membership.
 - Specify, develop and/or accredit product/system-testing programs that facilitate the field interoperability of products and systems based upon these standards.
 - Implement educational and promotional activities that increase awareness and deployment of these standards in the utility industry.

UCA International Users Group Organization Chart



Coordination with External Groups

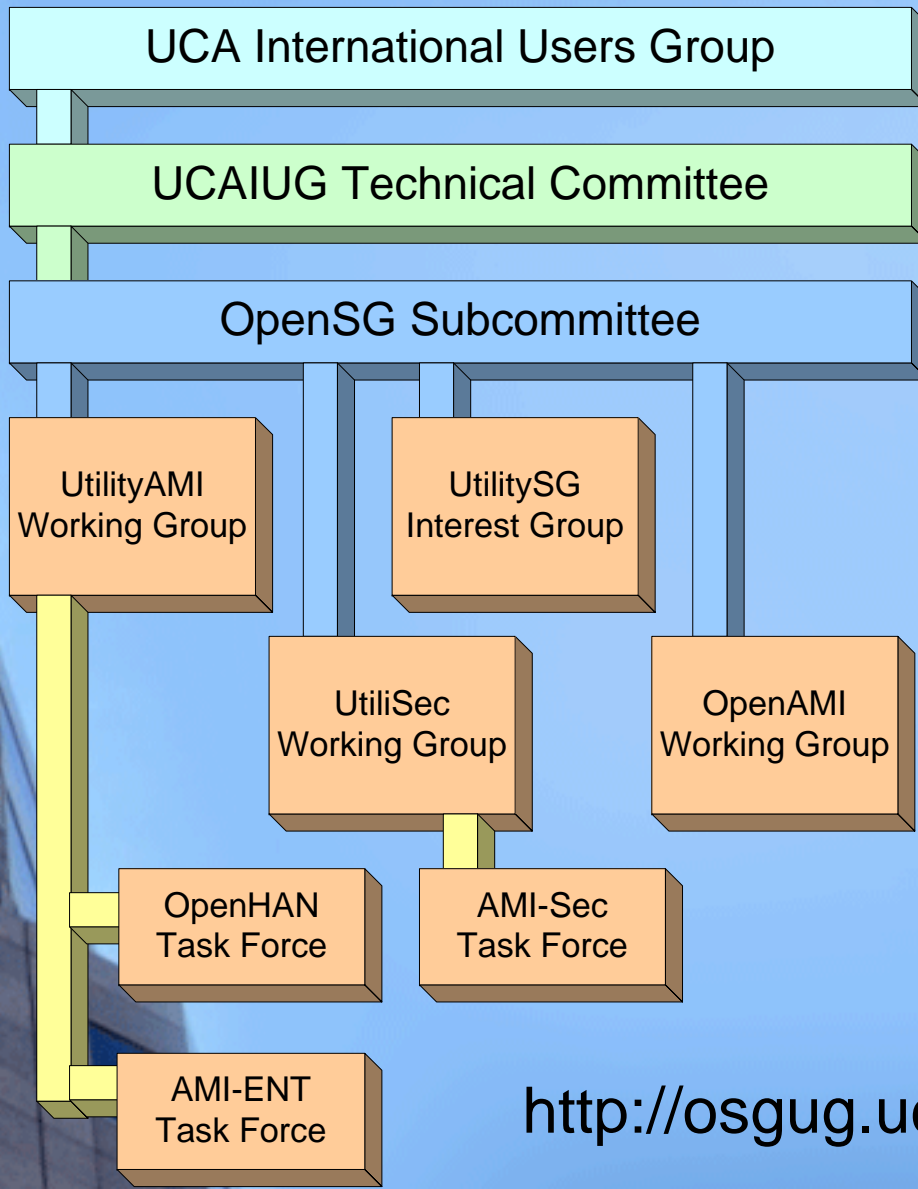
Close relationships with SDO's, research organizations, and others – formal and informal

- Category D liaison with IEC TC 57
- EPRI
- IEEE Power and Energy Society Intelligent Grid Coordinating Committee (PES IGCC)
- DOE GridWise Architecture Council (GWAC)
- DOE Modern Grid Initiative
- NIST EISA 2007 DEWG's
- ZigBee Alliance
 - ZB/HP Standards Group Team – Wayne Longcore chairs
- GridWise Alliance
 - Interoperability – Ron Ambrosio - IBM
 - Implementation – Rob Wilheit - KEMA
- CCET – Texas – interop standards
- Utility Standards Board – need to convince to coordinate with others
- Smart Energy Alliance – Doug Housman
- UNITE
- Many others

Board of Directors

- Dan Nordell - Xcel Energy
- Stephen Dalyai - QEI Inc.
- Mike Ingram - TVA
- Mark Simon - ComEd (Exelon)
- Thierry Lefebvre - RTE
- Clemens Hoga - Siemens
- John Burger - AEP
- Erich W. Gunther - EnerNex Corporation
- Wayne Longcore - Consumers Energy

OpenSG Subcommittee Organization



- OpenSG is an administrative subcommittee responsible for sponsoring working groups as needed to address smart grid related requirements and interoperability guidelines development in a technology independent manner
- UtilitySG is a proposed interest group under the OpenSG subcommittee
- The UtilityXXX groups have voting rules where only utility members have a vote
- New AMI-Network TF not shown in this org chart

<http://osgug.ucaiug.org/>

Present OpenSG WG/TF Membership

- Join the UCAIug at:
 - <http://www.ucaiug.org/Pages/join.aspx>
- Get web site user ID at:
 - <http://osgug.ucaiug.org/>
- Join mailing lists at:
 - <http://listserv.utilityami.org/archives/index.html>
- List Subscribers as of September 21, 2008
 - AMI Enterprise Task Force (*63 subscribers*)
 - AMI Security (*131 subscribers*)
 - AMI Network (new – no data yet)
 - UtilityAMI Guests (*75 subscribers*)
 - UtilityAMI HAN TF (*152 subscribers*)
 - UtilityAMI Members (*90 subscribers*)

UtilityAMI

Definition, Mission and Goal

- UtilityAMI is ...A forum to define serviceability, security and interoperability guidelines for advanced metering infrastructure (AMI) and demand responsive infrastructure (DRI) from a utility / energy service provider perspective.

UtilityAMI

Definition, Mission and Goal

- UtilityAMI will develop high level policy statements that can be used to facilitate efficient requirements and specification development using a common language that minimizes confusion and misunderstanding between utilities and vendors. UtilityAMI will also coordinate with other industry groups as required to efficiently carry out its mission.

UtilityAMI

Definition, Mission and Goal

- UtilityAMI has a goal to utilize the UtilityAMI work products to influence the vendor community to produce products and services that utilities need to support their AMI and DRI initiatives.

UtilityAMI Tasks

1. Glossary and Common Language Framework
 - a) *A universal AMI glossary of terms and definitions*
 - b) *A framework for technology capability evaluation*
 - c) *A common, minimum requirements definition document*
2. Modular Meter Interface – Transferred to OpenAMI
Policy for modular communication interfaces in meters
3. Security – AMI-SEC Task Force (under UtiliSec WG)
Security issues and their relationship to business needs
4. Consumer Interface – OpenHAN Task Force
Policy for Customer Portal interface to customer end user appliances
5. AMI Network Interface – AMI-Network Task Force
Policy for AMI network to MDMD/head end & HAN interfacing
6. Back Office Interface – AMI-Enterprise Task Force
Policy for MDMS to enterprise back office system connectivity
7. General Issues Forum – Information Exchange
NEW – <http://www.smartgridipedia.org/>

UtilityAMI 2008 HAN SRS

- Promotes open standards-based HANs that are interoperable
- Provides the vendor community with a common set of principles and requirements around which to build products
- Ensures reliable and sustainable HAN platforms
- Supports various energy policies in a variety of states, provinces, and countries
- Empowers citizens with the information they need to make decisions on their energy use by enabling the vision of a home energy ecosystem

HAN SRS Ratification Vote Unanimous

Mar 7, 2008

- AEP
- SCE
- SDG&E
- PG&E
- Detroit Edison
- FPL
- BC Hydro
- Entergy
- Consumers Energy
- CenterPoint Energy
- Oncor
- EDF

Endorsing Utilities:

Duke Energy
Reliant Energy

Task Force Update

- OpenHAN – main work complete
- AMI-Enterprise – major effort underway
- AMI-SEC – major effort underway
- AMI-Network – first meeting Oct 22, 2008
- UtilitySG Interest Group – proposed

Questions?

For any additional information,
please do not hesitate to contact
us

Note: Full participation requires
UCAIug membership – join at
<http://www.ucaiug.org/>

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