

OpenHAN TF – Face-to-Face Meeting

Meeting Minutes

Wednesday, April 15, 2009 – Miami, FL

Attendees

Albert Chiu/PG&E
Bobby Brown/EnerNex

Brad Bogolea/Greenbox
Brad Johnson/Oncor
Bradley Singletary/EnerNex
Brian Seal/EPRI
Brian Smith/EnerNex
Bryan Shang/Elster
Chris Knudsen/PG&E
Craig Rodine/Grid Net, Inc.
Daniel J. Rogier/AEP
Darren Highfill/EnerNex
David Jackson/Certicom

Donald Graham/Cisco Systems
Doug Houseman/Capgemini
Eric Smith/Control4
Erich Gunther/EnerNex
Galen Rasche/SWRI
Gary L. Ragsdale/SWRI
Gary Stuebing/Duke Energy
George Cosio Jr./FPL
Gerald Gray/Consumers Energy
Greg Dodson/Dominion Resources Services
Greg Robinson/Xtensible
James Pace/Silver Spring Networks
Jeff McCullough/Elster
Jeremy McDonald/SCE
John Lilley/SDG&E

John Wood/SWRI
Josh Wepman/SAIC
Julie Brown/Entergy
Junaid Hossain/Florida Power &
Kay Stefferud/Lockheed Martin
Kevin Fennell/Landis+Gyr
Kip Gering/Itron
Kurt Swanson/Entergy
Larry Kohrmann/Oncor
Lindani Phiri/Elster Electricity, LLC
Lizardo Hernandez/Landis+Gyr
Mark Bonfiglio/Entergy
Mark van den Broek/Lockheed Martin
Mark Van Wyhe/PG&E
Mary Zientara/Reliant Energy, Inc.
Matt Gillmore/Consumers Energy
Matthew Campagna/Certicom
Melissa Wallis/SWRI
Michael Echols/SAIC
Miguel A. Maseda/FPL
Neil Greenfield/AEP
Nicholas DePetrillo/Industrial Defender
Rich Housh/Juice Technologies
Rick Geiger/Cisco Systems
Robert Jepson/Lockheed Martin
Ruben Salazar/Landis + Gyr
Russel K. Birdsey/Lockheed Martin
Sandy Bacik/Sensus

Scott Crowder/GridPoint, Inc
Steve Heimlich/Crossroads Management Systems
Terry Mohn/Sempra
Tim Enwall/Tendril
Timothy DeLoach/IBM
Tom Anthony/Oncor
Vilat Keomoungkhoun/Alcatel-Viola Lee/PG&E
Vishant Shah/EnerNex
Wayne Longcore/Consumers Energy
Zahra Makoui/PG&E
Michael Robinson/IBM
Shawn Hu/Xtensible
Joe Zhou/Xtensible
Radha Swaminathan/FPL
Bill King/FPL
Shelley Moister/Landis+Gyr
Jeff Gooding/SCE
Tobin Richardson/ZigBee
Robby Simpson/GE
Brad Johnson/Oncor

Attending Via Phone

Kevin Walsh/OSIsoft Inc
Randy Lowe/AEP

Summary

Erich Gunther of EnerNex opened the session with a presentation on new use case development. The presentation included the UtilityAMI 2008 SRS and then lead into the work plan discussion.

Documents

Documents are hosted on OpenSG SharePoint site.

Technical Discussion

Details of the discussion relating to new use cases follows:

- Decision last time to develop new use cases
 - Shelley Moister (L&G) - Use the HAN SRS to match up what the perceived market requirements would be. It's a very comprehensive document and accurately reflects the requirements of 1.0. Would look for the exception side of those requirements as a next step for refinement.
 - (unidentified person) - Deployment guidelines/details/scenarios
 - Zahra Makoui - Bring in the home-to-grid vendors (consumer electronics) to participate
 - (unidentified person) - Utility requirements for plug in vehicle integration and distributed generation.
 - (unidentified person) - Add road mapping to identify vision of what future visions might include. What are the next two or three things the industry will face?
 - Dan Rogier - Focusing on the support of the HAN equipment after deployment. There will be a multitude of actors who will support and maintain the equipment after it is deployed in the home.
 - Chris Knudsen - Dependencies for control. Restrictions for load management.

- Use Cases Proposed in 2008
 - Matt Gilmore - At this point, we need to map HAN requirements into the security (AMI-Sec) space
 - Craig Rodine (Grid Net) - Don't see DER as one of the things in the home environment that we could look at.
 - Larry Kohrmann (Oncor) - We have received some requests from Australia for water use cases
 - Erich Gunther - What do we need to tackle first?
 - Darren Highfill - Multiple Dwelling Units (MDU)
 - Doug Houseman - There are two MDU scenarios. One is master metered and the other is a high density installation.

- Master Metered Issues
 - Doug Houseman - How do you separate things? How do you track things? Really nasty with staged aged homes.
- High Density Case Issues
 - Doug Houseman - Dweller may not hold the bill (i.e. not know what service they are signed up for)
 - Darren Highfill - Is physical separation an issue that needs to be addressed?
 - Doug Houseman - Intermediate floor transformers. How do you make sure you get the right information to the end customer?
 - Darren Highfill - What about meters which are not readily accessible?
 - Matt Gilmore - How do you make sure the devices which should have joined did and the ones that should not have joined did not.
 - Erich collected group thoughts online in the PowerPoint presentation. These were focused on "Range Extension", "Interference Mitigation", and "Nomadic HAN Device".

Erich posed the question to the group on if there was a need to get together to work on these new use cases? The majority of the group indicated yes. Erich indicated that a utility volunteer was needed to lead this particular effort and that a group of folks who are going to work on the identified use cases identified. Wayne Longcore volunteered Brad Singletary of EnerNex (on Consumers Energy behalf) as the utility lead. Volunteers for this effort were as follows:

- AEP (player to be named later from AEP volunteered by Dan Rogier, djrogier@aep.com)
- Capgemini (player to be named later from Capgemini volunteered by Doug Houseman, doug.houseman@capgemini.com)
- Entergy
- Oncor
- SCE
- Reliant
- Duke
- Rich Housh, Juice Technologies (rich_housh@plugsmart.net)
- Tim Enwall, Tendril (tenwall@tendrilinc.com)
- George Cosio, FPL (goerge_cosio@fpl.com)

Upcoming Meetings

Face-to-Face:

- July 14th-16th hosted by AEP in Columbus, OH

- October 20th-22nd hosted by EnerNex in Knoxville, TN