

AMI-Ent Task Force – Face-to-Face Meeting

Meeting Minutes

Tuesday, July 14, 2009 – Columbus, OH

Attendees

See online registration for list of attendees.

Summary

The meeting included discussion in the areas of the task forces relationship with the SDOs and other ongoing efforts such as the NIST Smart Grid Roadmap, OpenADE, AMI-Ent roadmap, Use Case Team, SRS Team. Two breakout sessions were also conducted during the latter part of the meeting.

Documents

Documents are hosted on AMI-Ent SharePoint site.

Technical Discussion

Welcome, Logistics, & Introductions

Agenda review & update

Brief Overview of AMI-Ent Structure & liaison activities

Greg Robinson led a brief discussion on the AMI-Ent Task Force. It was noted by one individual that this group is not aimed at defining standards but rather defining requirements. Wayne Longcore stated that the charter is not that the group is a SDO but that the group can influence the SDOs.

Greg Robinson noted that the group is not making major changes but rather minor extensions to the model and then communicating these back to the SDOs. He also noted that the SDOs are going to be very receptive to the input and that until they become formalized by the SDOs, they are available to be used in lieu of custom extensions. This is an intermediate step backed by the user group until the SDO can formalize the change.

Bill Cox noted that one of the issues that SDOs have to deal with is versioning

Inquiring Minds Want to Know

NIST Smart Grid Roadmap development

- Probably a lot of AMI-Ent members/guests participated in the effort which has been focused on the standards that should be built into a roadmap
- There is a follow up meeting coming up 8/3 and 8/4 to focus down on those major interfaces and standards so that we increase interoperability and economies of scale.
- This will continue from the 50000' (1st cut) to 30000'(2nd cut) to significantly lower level.

ZigBee & Homeplug/OpenHAN

- ZigBee and Homeplug have agreed to work together for the next evolution of the profile (SEP2)
 - IP
 - Aligned with CIM
 - Eventual goal is to move into IEC
 - Hope to leverage work in 61850 and PHEV areas
- Specifications produced by the alliance are not typically publicly available until approved.
- Both groups are agreeable to opening up the work via OpenHAN

SAE

- Working on set of use cases for PHEV

UNITE

- Group started by 11 IOUs that get together and share information
- Instantiated an AMI group last year which meets monthly
- Last month provided an updated survey on where the utilities were with regards to AMI

USB (Utility Standards Board)

- 5 utilities that are part of USB
- Met in early June (topic around PHEV)

Others

- Smart Grid Working Group formed in China (get details from Doug)

- Trying to decide if they are going to do their own thing or participate internationally
- International Energy Agency
 - They feed into ISO and IEC so if their agendas are different than ours, then we might have issues
- IEEE
 - Standards society is different than the other societies
 - Formed P2030
 - Outside of all existing processes
 - This looks like a repeat of what happened in P1513
- CIM Users Group (Terry Saxton Presentation)
- Part of UCAIug
- Next meeting coming up in November (EPRI in Charlotte, NC)
 - CIM University
 - Themed Utility Presentations
- Activities
 - Provide liaison with other SDOs
 - Provide central repository if CIM issues
 - Promote the CIM standards and other TC57 standards
 - Provide a single point of contact for CIM Model Management and issue resolution
 - Provide awareness of CIM products and implementations
 - Provide a Help Desk
- ACTION ITEM - Make Terry Saxton presentation available on SharePoint.

OpenADE Overview

Dave Mollerstuen gave a presentation on OpenADE. Topics covered included the following:

- OpenADE Problem Statement

- Existing Solutions
- Standardization Process
 - Present Day
 - Ad Hoc Group
 - Work Product: "OpenADE Business & User Requirements Document"
- Business and User Requirements Overview
 - High level objectives for the organization in defining the system
 - Opportunity, Objectives and Success Criteria, Market Needs, Risks, Specific Requirements
 - Project Vision
 - Project Vision Statement: For Utility consumers who want greater access
 - Project Scope
 - OpenADE 1.0
 - Full Implementation of security, authorization requirements
 - Limited to near-real time and historical consumption data
 - Future Releases
 - Business Context
 - Use Cases
- Request for Participation
 - Security-savvy participants
 - MDMS participants
- Q&A
 - Q: Why was the HAN outside the ADE scope
 - A: Its outside the initial ADE scope as when OpenADE was chartered, it was not focused in this area. We clearly mapped it out of scope to establish a data exchange from the enterprise level.

AMI-Ent Roadmap Discussion

Greg Robinson led the discussion. Items covered included:

- Artifact management process – Jerry - Consumers Energy)
 - "Service Definitions Process" Presentation
 - Process
 - Smartgridipedia
 - Checklist for changes
 - Community Feedback
 - Q&A
 - Q: Where does SG Enterprise fit into the effort represented by the SharePoint
 - A: SG Enterprise is the high level (contains OpneADE and AMI-Enterprise)
 - Q: Where are we in terms of having something to vote on? Do we need to vote on accepting this overall approach?
 - A: No. We will wait until tomorrow to discuss this from the OpenSG perspective
- Voting for AMI-Ent. Artifacts Version 1.0
 - Looking for active participants
- Interoperability testing strategy & plans
- ADE support
 - Requirements is near term plan
 - This drives follow on efforts (architecture and service definitions for example)
- Potential collaboration with OpenADR – Greg
 - Tomorrow OpenADR-TF meeting
 - Identify where it overlaps other efforts (esp inside UCAIug)
- Feedback on “boot camp” – improvements & plans - Greg

- Suggestions and Comments solicited
 - How often?
 - We should have them at all the meetings (Doug Houseman)
- Should consider for other groups (i.e. AMI-SEC)
- Follow one example from beginning to end (in all teams). The practical examples were the most helpful
- TF Member ideas on ways to improve AMI-Ent – Greg
 - Discussions have identified security. Pushing back to AMI-SEC to identify what we should be doing.
 - Please e-mail comments to Greg

Use Case Team Status & Plans

Kay Stefferud gave a presentation on the Use Case Team's status and plans. Topics covered included:

- Purpose: Develop Use Cases and Functional Requirements for AMI-ENT
- Breakout Session Topics
 - Outage Management
 - Incorporate recent comments
 - Scope AMI-ENT use cases
 - Stakeholders for EA model
 - Incorporation of security requirements
 - Barriers to use and incorporation

SRS Team Status & Plans

Jo Zou gave a presentation on the SRS team. Topics covered included the following:

- Status and Plan update
 - Draft v03 released. Feedback centered on security. Updated to SRS Draft v04.
 - Plan to get feedback on content of v1.0
- Breakout Session Topics

- General feedback on SRS v04
- Security requirements and their impact on architecture
- ADE System requirements
- ADR system requirements

Breakout Sessions

Breakout sessions were held centered on the following:

- SRS Team
- Use Case Team
- Service Definitions Team
- Automated Data Exchange (ADE)

Upcoming Meetings

Face-to-Face:

- October 20th-22nd hosted by EnerNex in Knoxville, TN (Intro to OpenSG on October 19th)
- January 19th-21st, 2010 hosted by FPL in Juno Beach, FL (Intro to OpenSG on January 18th)