

Platform Technology Working Group (WG2)

Meeting Notes May 21, 2014

Administrative

- Jim Gallagher will be a Platform Technology Co-Convenor
- Website information, including distribution list, contact information, agendas, meeting minutes and working outline will be available soon on www.dps.ny.gov
- Weekly Track 1 co-convenor calls will bridge communications across all Track 1 working groups
- Working group members should reach out to subgroup leaders to share resources
- Goal of subgroups is to facilitate faster information to the Platform Technology WG for discussion and comment

Content

1. Platform Functionalities Subgroup

Team Leader, Laney Brown, discussed the following:

- Subgroup is scheduled to have a call on 5/21/2014
- Team's goal is to identify functional requirements that are aligned with REV objectives
- Identify functions aligned with topic areas for short-term, understanding functionalities will evolve
- Two buckets of needed functionalities: technical and transactional
- Build on additional functions that are identified during the process
- Utility subgroup will brief us on existing system functionalities and Platform Functionalities subgroup will focus on future system functionalities
- Market and products will also drive function of the platform; platform and process should be capable to evolve over stages
- Team should discuss foundational investment that would support future phases
- Best practices emerging from global and national projects should be reviewed to help support the subgroups framework and the organization of functional needs into categories

Next Steps – Platform functionalities will drive the Technology subgroup. Laney Brown will join Technology subgroup to facilitate the overlap.

2. Standards and Protocol Subgroup

Team Leader, David Lovelady, discussed the following:

- Team is identifying relevant standards/ protocols related to DER penetration
- Standards and protocols might differ between utility and territory, depending on their systems

- Identifying gaps is a key focus area; but consider possibility of overlap and need to blend rather than fill gaps
- Breakout standards and group accordingly to the different elements of the DSPP:
 - Communication
 - IT
 - System Architecture
 - DG & Energy Storage Interconnection
 - Hardware
 - System operation
 - Energy Management
 - Data Management
 - Metering
 - Identify any gaps
- Objective of subgroup is to educate the Commission on what standards exist, what is or will be used on an “open” grid, and what standards are being used in pilot programs
- Ideal standards are scalable, open, promote customer choice, and avoid lock-in
- Team will review the Gridwise 7-layer stacked pyramid diagram, the GTM standards and protocol diagram, and the IEC online standards tool <http://smartgridstandardsmap.com/>

Next Steps- Subgroup is planning on meeting early next week

3. Technologies Subgroup

David Lovelady reviewed the P2030 Schematic Diagram (aka Spaghetti Diagram)

- IEEE P2030 is a high level vehicle broken into 3 fields:
 - Communications
 - IT (Data and Information)
 - Power System
- Created to assist industry on what existing standards were available and what interfaces will be needed for the future grid
- DSPP may only be subset of Spaghetti Diagram; pull out a subset, and simplify into manageable diagram to use as a starting point for DSPP

Team Leader, John D’Aloia, discussed ways to frame the technology subgroups objectives

- Create visualization of existing utility system and incorporate functional need, or use code, to determine technology needed
- Team should stage and frame both short and long term goals
- Utilities will educate Technology subgroup with a detailed overview of existing infrastructure configuration
- Laney Brown will work with Tech team to bridge functional requirement

- DOE best practices in advanced distribution management systems will be useful and effective in creating staged approach.
- Timeline and building blocks will evolve; NY behind in AMI implementation, experience elsewhere can assist with lessons learned and what has worked.

Next Steps- John D'Aloia will set up a call with the Functionality and Technology subgroups. David Lovelady will use the IEEE P2030 to create a DSPP diagram and interface schematic that team could use to wrap use cases around.

4. Existing Utility Distribution Systems and Capabilities Subgroup

Team Leader, Brian Horton, discussed the subgroups scheduled 5/28 presentation scope to address system capabilities, functions, and level set the working group.

- High level overview of utilities existing systems and capabilities
- Existing pilot programs
- What's possible for the future grid

Next Steps- Presentation to entire WG2 on 5/28. All subgroup leaders will have a call with WG Co-conveners.