

# Usability Analysis

Structure and Purpose Straw Man

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# Embedded & Early Verification

- The Usability Analysts (UAs) sit in on the various sub-groups that will develop the work products that need verification/validation
- Verify usability as each work product is built up iteratively
- Provide some requirements/criteria upfront on usability
- Come to a common model/definition of what is meant by usability. What is its scope and application? How will the model be verified and by what stake holders?

# Group Structure

- Broad vendor representation from every part of the AMI, Network, and DA infrastructure.
- Validate a vendor representation list with participating utilities so that it actually reflects their deployments or planned deployments.
- Breakdown UA group into sub-groups that are associated to specific elements of the infrastructure.
  - Example: Smart Meters, Enterprise/Home Software, OMS/DMS, SCADA, Network (Wireless, Wireline, Powerline, etc.), DA devices, etc.
- Each of the sub-groups will be tasked with doing the usability analysis within their device\sub-system scope.
- A systems level sub-group for an integrated and cohesive view. Its purpose will be to identify the gaps that might occur and issues that should be solved at a systems level.

# Group Meetings

- UA meetings will run parallel to the other groups by telecomm and physical presence when necessary.
- Structured so the group can review issues and progress after each workshop or any other meeting.
- Frequency and period of meetings will depend on the schedule that arises for the other groups.
- UA meetings will be open to the others that are not UAs to ensure a cross verification is occurring and that all material is being properly understood and fairly evaluated.

# Work Products

- UA Document: a final document that reflects the collective work of each sub-group and gives guidance on how to apply the SGSPB and RA/SPs to a complete reference implementation.
- UA Criteria Document: Informal/Formal document on general requirements/points on usability early in the process to serve as some guidance for the other activities.
- UA Reference Model Document(s): reference implementation models developed early in the process and validated by all parties involved. Ensure models are neutral but applicable, relevant, and representative of real users.