

# CFARS

## Guidance Working Group Update

Group Leader: Matthew Meyers

29 May 2018



# Mission: Summarize current state of the industry

- **Scope 1 – Baseline (ETA: Aug '18)**
  - Task A – Survey
  - Task B – Centralize public documents
  - Task C – Centralize 'in house' best practice/guidance
- **Scope 2 – Colocation validation dataset with method (ETA: Q2'19)**
- **Scope 3 – Validation acceptance criteria (ETA: Q4'19)**

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## Survey Subgroup Leader: Jeff Fine

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# Survey – Envisioned as two sections

- **Section 1 – Deployment History as Summary Table**

- Purpose – industry deployment characteristics
- Method – Complete table specifying terrain, climatic conditions, generalized location
- An outcome – Mapped deployment location (referenced to numbered grid)
- Confidentiality – Responses by anonymous via FTP

- **Section 2 – Questions**

- Purpose – industry snapshot of use and experience characteristics
- Method – Survey Monkey or like; many questions already received; draft available
- Formatted Sections – Categories
  - General, Operations, Deployment, Uncertainty, Validation, Suitability, Resource Assessment
- Draft survey ready for review/comment/feedback!

- **Some keys to success**

- One respondent per company; could be somewhat time consuming; likely advance send
- Results likely grouped by Developer, Consultant, & OEM

# Survey – Key Steps

- Identify subgroup team
- Refine survey questions
- Establish platforms (for summary table and survey questions)
- Identify candidate respondent companies; identify respondent from each company
- Conduct
- Interpret
- Conclude – Aug '18 (ahead of AWEA Wind Resource Workshop, Austin)

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Centralize Public Documents Subgroup Leader:  
Matthew Meyers

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*e-on*





# Public Docs – Create centralized reference library

- **The Big Picture**

- Purpose – advance industry knowledge with one-stop-shop portal
- Scope – IEC, IEA, mfg guidelines, journal publications, key conference presentations, best practices, etc.
- **Method – Uploaded docs or links to reference/master document; sharepoint then web site**
- Peter Clive already provided 18 docs!

- **Key Next Steps**

- Establish sharepoint or web site
- Send docs or links to docs to [matthew.meyers@eon.com](mailto:matthew.meyers@eon.com)

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Centralize 'in-house' Docs Subgroup Leader:  
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# In-house docs – snapshot of current practices

- What – Collect internal & public best practice docs and usage experiences from through the industry
- Why – Commonalities and differences to be identified
- How – Load to portal; ambition to format in parallel
- Benefits –
  - Snapshot of the industry
  - Communication tool to identify where the industry is aligned/misaligned
  - Validation segments may inform design of Scope 2
- **Two types of practices (1) deployment (2) analysis**
- **Confidential – if desired, or not**
- **Details to be sorted out.....next step: form subgroup**

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## Scope 2 – Colocation validation dataset with method subgroup leader: Reesa Dexter



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## Scope 2 – Colocation validation dataset with method

**Goal:** Develop colocation best practises of remote sensing device (RSD)

- Develop new defensible guidelines
- Integrate defensible current best practices
- The scope should go beyond well understood methodologies such as the physical colocation of devices

**Methodology:** Establish standard validation procedures

- Focus on dataset validation and appropriate data uses
- Informed from Task C and the Science Group
- Define defensible performance indices

**Potential data sources:** Controlled test sites and ‘in the wild’ uncontrolled sites

- Validate best practices of RSD to anemometry and RSD to RSD
- Existing data: Distribute validation code to be run by individual contributors
- New data: Run fresh validations at various sites

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Validation acceptance criteria subgroup leader:  
TBD

Contact info here

Photo here

Questions?