

National Cybersecurity Center of Excellence

Energy Sector Asset Management Project Discussion

Energy Provider Community Call

11/09/2017

Agenda

- NCCoE Engagement & Business Model
- Energy Sector Asset Management (ESAM)
 - Project Timeline
 - Project Objectives
 - Project Goals
 - Project Description Discussion
- Next Steps

> Engagement & Business Model

DEFINE



OUTCOME:

Define a scope of work with industry to solve a pressing cybersecurity challenge

ASSEMBLE



OUTCOME:

Assemble teams of industry orgs, govt agencies, and academic institutions to address all aspects of the cybersecurity challenge

BUILD



OUTCOME:

Build a practical, usable, repeatable implementation to address the cybersecurity challenge

ADVOCATE



OUTCOME:

Advocate adoption of the example implementation using the practice guide

> About NCCoE

Collaborative Hub

The NCCoE assembles experts from businesses, academia, and other government agencies to work on critical national problems in cybersecurity. This collaboration is essential to exploring the widest range of concepts.

As a part of the NIST cybersecurity portfolio, the NCCoE has access to a wealth of prodigious expertise, resources, relationships, and experience.

NIST
**National Institute of
Standards and Technology**
U.S. Department of Commerce



- **Energy Sector Asset Management (ESAM)**
 - Received formal project approval 09/20/2017
 - Draft Project Description: Q1 FY 2018 (December 2017)
 - Final Project Description (February 2018)
 - Call for collaboration (FRN) (March 2018)

- **Next Energy Community of Interest Call**
 - December 14, 2017

Objectives:

1. Obtain Input from EPC on ESAM Project Description
2. Request Direct Sector Participation in Project
3. Create ESAM Practice Guide
4. Encourage Adoption of ESAM Practice Guide

NCCoE ESAM Project Goals:

- Demonstrate how ESAM solution can reduce cybersecurity risk
- Enable faster responses to security alerts by revealing the location, configuration, and owner of local and remote devices of utilities
- Document how to install, configure, and use ESAM components in a manner that achieves the stated security objectives (via NCCoE practice guide)
- Demonstrate related operational benefits
- Encourage adoption of ESAM practice guide

- Targeted audience for ESAM NCCoE Solution:
 - All Energy Providers: Utilities, Oil & Gas
- Specific Capabilities:
 - Geographically Dispersed and Remote Assets, Asset Discovery, Asset Management, Asset Disposition, Alarming & Alerting Capabilities.
- Specific questions to help guide the ESAM project:
 - What type of solutions regarding these assets would be useful for the energy community?
 - What are your top 3 issues regarding asset management (technology only)?

➤ Next Steps:

- Draft and release ESAM Project Description (PD) - December 2017
- Adjudicate comments, release final PD and FRN – February 2018
- Select collaborators – start March 2018

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