NATIONAL CYBERSECURITY CENTER OF EXCELLENCE

ENERGY PROVIDER CALL PROJECT DESCRIPTION MEETING – November 2017

Date: 11/09/2017

NCCoE Team and Roles:	*Recorded Attendees:*
Jim McCarthy- NCCoE Federal Lead Michael Powell -NCCoE Engineer Titilayo Ogunyale -NCCoE Project Lead Devin Wynne- NCCoE Engineer John Wiltberger- NCCoE Engineer	Bimal Sareen - CyberForce Dan Rueckert- Sheffield Scientific Jared Smith – PA Consulting Matthew Daley- Canadian Nuclear Laboratories (CNL) Shawn Eck- The Empire District Electric Company Bernard Tatera- Pacific Gas & Electric Dave Trask – Canadian Nuclear Laboratories Siv Hilde Houmb- Secure-Nok Nathan Shults- Kiewit

Key Updates:

- NCCoE provided general overview of the direction of the Energy Sector Asset Management (ESAM) project and sought input from Energy Provider Community (EPC) of Interest Participants
- NCCoE's ESAM project description is scheduled to be published for public comment Q1 FY 2018 (Dec 2017)

Action Items

- NCCoE will review EPC participant feedback on ESAM project
- Next EPC Call is mid - December

EPC Discussion:

- **NCCoE:** Now that we've provided an overview of the direction of the ESAM project, we'd like to hear from you all to see if we're on the right track and if there is any relevant feedback that you feel is valuable.
- **Participant:** Did you talk about asset visibility- intentionally hiding the visibility of various assets? There are two sides to managing assets: 1) the visibility piece and 2) the management piece
- **NCCoE:** Yes, asset discovery is certainly a component we have identified to look at during our ESAM project. Asset discovery is what you want to be able to determine at a moment's notice. You have a baseline where you go out and do the initial discovery; you see some new asset join the network or fall off of the network. There's initial discovery and there's continuous discovery.

- **NCCoE:** What is the top issue as it relates to asset management in your environments?
- **Participant:** From the oil and gas point of view and drilling contractors, the challenge is knowing where you have assets out there, and the other thing is being able to keep asset management updated as you are replacing assets and so on.
- **NCCoE:** Thank you for that feedback. We have noted that comment.

- **Participant:** When you say asset management, you're really talking about a very large universe. In our utility space we have IT equipment, we have networking equipment, we have computers, we have field devices, and we've been looking at systems that can try to encompass that entire universe and we may have things that only

encompass part of that as a solution. Specifically, things that are on the network that can be discovered and we can collect information about, but there are some devices that are on radios for example, that may not fit that category. In your project description you may want to address some breakdown or hierarchy on what specifically you may want to address.

- **NCCoE:** Thanks for that comment. That is important information that you've pointed out. We've noted that and we will include that in the project description. We'll be looking at mainly the industrial control system infrastructure from the PLC SCADA level, not necessary the sensor level.

Attachments:

- EPC Call PowerPoint

Call Agenda

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