NATIONAL CYBERSECURITY CENTER OF EXCELLENCE

ENERGY SECTOR – COI Meeting – July 2018

Date: 07/17/2018

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
Lauren Acierto- NCCoE Outreach & Engagement

Patricia Thomas – Orlando Utilities Commission
M. Rohnow – Sempra Utilities
Mark Rice – Pacific Northwest National Laboratory
Ingrid Rayo – Burns & McDonnell Engineering
Katherine Street – Duke Energy
Doug Salah – Wabtech Corporation
Matt Cowell – Dragos
Darlene Thorsen – Department of Energy
Benjamin Justus – Siemens
Rob Antonishen – Ontario Power Generation
Vijay Ahuja – Cipher Solutions, Inc.
Jay Stroup – Department of Energy
Tom Gardiner – GE Power
Cecelia Pineda – Southern California Edison
Jeff Macre – Burns & McDonnell Engineering

Meeting Agenda
- Welcome and Introductions
- Energy Sector Asset Management (ESAM) Project Update
- Summary of Energy Roundtable Discussion – IIoT/ICS Malware/BAS
- Questions, Open Discussion

Key Updates
- ESAM project has moved into the build stage of project
- June roundtable held at the NCCoE last month discussed IIoT/ICS Malware/BAS challenge areas in the energy sector and has yielded areas of interest for additional research for NCCoE's energy sector projects
- The ESAM final project description can be viewed on our website here: https://www.nccoe.nist.gov/projects/use-cases/energy-sector/asset-management
- If you have any comments or questions, please email us at Energy_NCCoE@nist.gov

Action Items & Next Steps
- ESAM project is seeking additional assets to be a part of project build
- NCCoE welcomes energy sector cyber challenge area ideas to consider for future projects

Upcoming Events
- NCCoE will be hosting a training session at the upcoming Grid Security Conference
  - October 16-19, Las Vegas, NV
  - Presenting NCCoE Energy Sector projects
  - https://www.nerc.com/pa/CI/CIPOutreach/Pages/GridSecCon.aspx

EPC Discussion
- **Participant:** In the ESAM project, is there a focus on transmission substations or whole energy sector?
- **NCCoE:** We are not focusing on particular architectures per se, our approach is to automate asset management for OT/ICS to the best of our ability given the tools that are currently commercially available to industry.

- **Participant:** Are the assets you're working with vendor neutral or are you picking a particular group of assets?
- **NCCoE:** We are using what the vendors we have partnered with are providing to us. We are not specifically selecting assets based on manufacturer.

- **Participant:** Is there a distinction between which assets are in and which are out, given that some assets may not be always be active?
- **NCCoE:** There will be a combination of non-critical operational assets and assets housed in test/development environments.

Attachments
- EPC Call Slide Deck
- ESAM Project Description