
NATIONAL CYBERSECURITY CENTER OF EXCELLENCE

ENERGY PROVIDER CALL– January 2018

Date: 01/30/2018

NCCoE Team and Roles:

Jim McCarthy- NCCoE Federal Lead
Michael Powell -NCCoE Engineer
Titilayo Ogunyale -NCCoE Project Lead
Devin Wynne- NCCoE Engineer
John Wiltberger- NCCoE Engineer

Recorded Attendees:

Nathan Johansen- NPJ
Michael Cohen- MITRE
Patricia Eke- FERC
Cesar Tapia- FERC
Jeff Sloan- FERC
Emmett Moore- Red Trident Inc.
Rich Powell – NRG
Julie Snyder- MITRE
Kevin Schulz- WAPA
Dan Rueckert- Sheffield Scientific
Matthew Daley- Canadian Nuclear Laboratories (CNL)
Siv Hilde Houmb- Secure-Nok
Nathan Shults- Kiewit

Call Agenda

- Welcome and Introductions
- Energy Sector Asset Management (ESAM)
- Manufacturing Behavioral Anomaly Detection (BAD) Update
- NCCoE Upcoming Activities
- Questions, Open Discussion

Key Updates:

- NCCoE provided general overview of the Energy Sector Asset Management (ESAM) project description and requested input from EPC call Participants
- Last day to comment on the ESAM project Feb 16, 2018. Please submit your comments using the link below:
 - <https://nccoe.nist.gov/webform/comments-energy-sector-asset-management-project-description>
- NCCoE Manufacturing Behavioral Anomaly Detection guide is on track to publish in May 2018. Application Whitelisting will likely start in the summer of 2018.

Action Items

- Next EPC Call is tentatively scheduled for Feb 27, 2018.

Upcoming Events

- Industrial Internet Consortium Global Event Series, McLean, VA Feb 9, 2018. NCCoE energy team will have a booth.
 - www.iiconsortium.org/reston-forum-2018

EPC Discussion:

- **Participant:** Advance Manufacturing is going to use a lot of robotics and we need to be able to monitor those robots to ensure that they are doing the right things and are not sabotaging the things that they are making. Is your current scope of your manufacturing project addressing this?
- **NCCoE:** For the current build, no. We're using an infrastructure that is already available through our NIST Engineering Lab. We're open to considering that in the future.
- **Participant:** Intelligence robotics is also where the new drilling control systems are going. There might be a cross-over interest and overlap in oil and gas and manufacturing.
- **NCCoE:** Thank you for that comment. This is one of the many reasons why we have these calls, to generate new ideas.
- **Participant:** The scope for ESAM seems huge. Are you looking at coming up with one build with different solutions coupled in a wholistic solution, or are you looking at getting alternative vendors so that you have multiple architectures in a final report?
- **NCCoE:** The focus of this build is asset management. Any discussion of an asset management solution will have elements of those items mentioned in the scope of our project description. We'll revisit this section to make sure that is clear.
- **Participant:** Do think the X.509 standard would be useful to tracking behavioral anomaly detection in your manufacturing project?
- **NCCoE:** Not for the project currently underway but may be considered in future with some discussion of feasibility and applicability.

Attachments:

- EPC Call Slide Deck