
NATIONAL CYBERSECURITY CENTER OF EXCELLENCE

ENERGY PROVIDER COMMUNITY (EPC) OF INTEREST MEETING – NOVEMBER 2016

Date: 11/29/2016

Time Start-End: 2-3 PM Eastern

Attendees

NCCoE team and roles:

Jim McCarthy (Federal Lead) Tania Copper (Outreach & Engagement Strategist)
--

Community Members:

Albert Lee, University of Virginia Bob Lockhart, Utilities Telecom Council Jake Hammock, University of Maryland University College Jose Matos, GSK Mark Child, GREnergy Michael Cohen, MITRE Ronald Beck, Central Lincoln PUD Steve Griffith, NEMA Steve Pflantz, ISA Tim Clancy, Arch Street LLC
--

Agenda:

- NCCoE Energy Sector News
 - Upcoming NCCoE Planned Conferences
- Current Projects
 - Identity and Access Management (IdAM) Project Update
 - Situational Awareness (SA) Project Update
- NCCoE Cybersecurity for Manufacturing Project Description
 - Overview
 - Capabilities Assessment for Securing Manufacturing Industrial Control Systems
- Supply Chain Use Case Development

Discussion: Please note that this is an “update” call and is shorter in length.

NCCoE Energy Sector News

Upcoming NCCoE Planned Conferences:

Upcoming conferences and activities will be centered around Supply Chain due to stakeholder interest. Jon Boyens is the NIST agency lead for Supply Chain Risk Management and has spearheaded many efforts in tackling Supply Chain issues across various sectors. Jon has invited Jim McCarthy to attend the participate in the following workshops:

- CNSS Supply Chain Risk Management Working Group which is being held on December 12, 2016
- Software and Supply Chain Assurance Forum Winter Working Group which is being held between 12/13/2016 and 12/15/2016.

The goal for attending these activities is to gain insight on an NCCoE Energy Sector technology build for supply chain risk management and what industry views as compelling cybersecurity technology related problems. These are things other than policy and procedure in this area.

(The above workshops are related to but independent of NCCoE Supply Chain use case development efforts)

Ongoing question: What can the NCCoE do from a technology perspective that would warrant devoting resources to a technology based use case build for supply chain problems?

As a result of this inquiry and the level of interest, the decision has been made establish a NCCoE Supply Chain sub-working group SC SWG

Current Projects

Identity and Access Management (IdAM) Project Update:

IdAM has been in draft form and is awaiting approval from the Washington Executive Review Board (WERB) committee to make this a NIST SP guide. This is hoped to occur December, 2016.

Situational Awareness (SA) Project Update:

The target date for distributing a draft to the build team partners is 12/16/2016. A draft public release for this guide should be available early to mid-January, 2017.

NCCoE Cybersecurity for Manufacturing Project Description

Overview:

NIST/NCCoE is collaborating with the NIST Engineering Laboratory (EL) on this initiative. Keith Stouffer and Jim McCarthy are partnering on a multi-faceted project that is devoted to manufacturing cybersecurity but will most likely benefit anyone using industrial control systems (ICS) in their day-to-day operations. The following is a list of security capabilities that will be addressed in a four-part series;

1. Behavioral Anomaly Detection (first and focus of draft)
2. ICS Application Whitelisting (subject to change)
3. Malware Detection and Mitigation (subject to change)
4. ICS Data Integrity (subject to change)

NCCoE will establish a new Manufacturing Sector Community of Interest (COI) once we have a final project description publically available (anticipated late January, 2017). All current members of the NCCoE EPC will be invited to participate when this new COI is established.

Energy COI Question: On the lab infrastructure, is this a wired and wireless application?

Jim McCarthy to Energy COI: We can consider wireless but as it stands right now, everything that in the lab infrastructure is wired. All EPC members are encouraged to download the draft project description and submit comments as seeing comments such as this is exactly what we hope to receive;

Capabilities Assessment for Securing Manufacturing Industrial Control Systems:

The comment period deadline for [Capabilities Assessment for Securing Manufacturing Industrial Control Systems](#) has been extended to Thursday December 22, 2016.

Supply Chain Use Case Development

This became a topic of discussion during the Energy COI calls once the public was made aware of the FERC Order and pending NIST guidance. We have been discussing the possibility of initiating a technology based use case for Supply Chain risk at NCCoE since August, 2016.

Considerations for NCCoE technology based Supply Chain lab build: If we were to try and solve an Energy related problem with supply chain, from a technology perspective, what would that look like? What tools can we bring to bear to solve a particular problem here? It is a very broad topic and much of the needed work relates to policy and contract language and NCCoE will not be involved in this aspect of Supply Chain risk, nor do we wish to get involved with creating device / software rev. tracking databases as there are other efforts already addressing these particular challenges. For NCCoE to engage in a lab build, the scope of a use case must be based Supply Chain technology problem that can be solved with security tools / capabilities. The goal is deliver a solution to the Energy Sector that would produce compelling operational / security benefits that industry members would seriously consider adopting. The EPC calls are a great forum for soliciting Energy Sector feedback to address this., but based on the level of interest another forum within EPC is needed to discuss the issue in detail.

Jim McCarthy to Energy COI: Would this group be interested in participating in a supply chain sub-working group?

Energy COI Comments: Yes, unanimously.

Action Items:

- 1) Jim McCarthy to stand up EPC sub-working group to develop the Supply Chain use case concept. Request for participation will be sent to entire EPC on 12/01/2016.
- 2) First Supply Chain sub-working group call will take place on 12/16/2016. Formal invitation will be sent out the week of 12/05/2016.
- 3) Provide Steve Griffith's NEMA documents to the EPC.
- 4) Schedule 12/2016 EPC Call

Jim McCarthy concludes the EPC call at 2:31pm.