. NATIONAL CYBERSECURITY CENTER OF EXCELLENCE

ENERGY PROVIDER COMMUNITY (EPC) OF INTEREST MEETING – February 2017

Date: 2/28/2017

Time Start-End: 2-3 PM Eastern

Attendees

NCCoE Team and Roles:

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

Bob Lockhart, UTC Jessica Smith, SEL Tim Watkins, SEL Kristen Klein, MITRE Maggie Scott, FERC Orlando Stevenson, E-ISAC Tim Clancy, Arch Street LLC Randy Williams, System One John Abeles System One Joe Garmon, Seminole Electronic Cooperative Michael Cohen, MITRE Siv Houmb, IADC / SecureNok Isiah Jones, FERC Mike Prescher, Black and Veatch Pete Tseronis, Dots & Bridges Julie Steinke, MITRE

Agenda

➢ NCCoE Energy Sector Planned Activities

➢ Overview of NCCoE for New Members

➢ Status of Energy Sector (and related) Projects

➢ EPC Open Discussion / Comments / Questions

Jim McCarthy to Energy COI: Upcoming events for NCCoE's Energy sector. These are events Jim will attend:

➢ ICRMC – Toronto, ON 03/02/17- 03/03/17

(International Cyber Risk Management Conference) will report back to group next month

➢ OSIsoft Annual User Conference, 03/20/17 - 03/23/17 San Francisco, CA. Will discuss situational awareness for OSIsoft, NCEP partner.

> ➢ American Council for Technology (ACT) and Industry Advisory Council (IAC), Cybersecurity Community of Interest Monthly Meeting 04/28/2017, will speak at this cybersecurity event.

Energy COI Member Question: Any interest in European efforts? Would be interested in learning more.

Jim: Center is open and wants to engage with both international and domestic parties interested in learning more about the NCCoE, and how to collaborate.

Jim McCarthy to Energy COI: This meeting will highlight the basics of our mission and goals because we have several new members joining this call.

NCCoE's VISION --

ADVANCE CYBERSECURITY -- A secure cyber infrastructure that inspires technological innovation and fosters economic growth

MISSION -- Accelerate Adoption of Secure Technologies

Collaborate with innovators to provide real-world, standards-based cybersecurity capabilities that address business needs

GOAL 1 -- Provide Practical Cybersecurity *This is most important—not forward-looking research but timely solutions for industry to use to resolve their most pressing cybersecurity challenges.

Help people secure their data and digital infrastructure by equipping them with practical ways to implement standards-based cybersecurity solutions that are modular, repeatable and scalable

GOAL 2 -- Increase Rate of Adoption

Enable companies to rapidly deploy commercially available cybersecurity technologies by reducing technological barriers to adoption

GOAL 3 -- Accelerate Innovation

Empower innovators to creatively address businesses' most pressing cybersecurity challenges in a state-of-the-art, collaborative environment

NCCoE is based in Rockville, nearby to the NIST main campus. NCCoE takes existing technologies, builds upon industry driven use cases and provides a practice guide for each use case. Established in 2012, with land and building provided mostly by the Montgomery County government. NCCoE is located within 30 miles of Washington DC. We have distributed the NCCoE slides for your records to refer to whenever needed.

Our stakeholders include sponsors, such as the White House, NIST, U.S. Dept. of Commerce, the U.S. Congress, Montgomery County and the State of Maryland. Additionally, our stakeholders include technology firms, industry, academia, government, product managers, project specific collaborators, and National Cybersecurity Excellence Partners (NCEP).

We collaborate with a variety of stakeholders to build real world cybersecurity solutions. Collaborators work with the center on use cases to address cybersecurity challenges. These users include business sectors, individuals, academia, the cybersecurity IT community and systems integrators.

MEMBER Question: Lab in Rockville? **Answer:** Yes, less than five miles from NIST headquarters in Gaithersburg.

Jim McCarthy to Energy COI: I'm currently working four projects in various phases as the lead for the energy and manufacturing sectors.

Energy Sector project status

- **Situational Awareness SP 1800-7 (a,b,c)**

  - Released public draft - 02/16/2017

  - Comment period open until - 04/17/2017

  - https://nccoe.nist.gov/projects/use_cases/situational_awareness

- **Identity and Access Management SP 1800-2 (a,b,c) – draft published in Aug. 2015, can read at the URL below.** Converged provisioning mechanism to change access rights on IT, OT and physical access control systems.

  - Projected release of final - 03/2017

  - https://nccoe.nist.gov/projects/use_cases/idam

- **NCCoE Supply Chain (SC) Sub Working Group (SWG) –** We need to avoid non-technology aspects such procedures or processes. We consider SC concerns within realm of the Energy sector, especially oil and gas. Anything we do may be applicable to Energy or other vertical industry sectors. In this area, only about 20 percent of overall SC concerns are related to technology. We have a few viable use case ideas focused on technology.

  - Last call held on 02/24/2017

  - Discussed numerous possibilities for use cases from various members (O&G, SDLC)

  - Initial goal was to have one or more use cases by March 2017, and that has been achieved

  - Future activity – prioritize use cases, all are good ideas with technology as a basis

- **Cybersecurity for Manufacturing**

  - Behavioral Anomaly Detection (BAD)

  - Final project description (PD) - 03/2017—we have emulated a manufacturing environment with robotic arms and emulated a chemical processing environment as well.

- Federal Register Notice - 03/2017—Call for collaboration for any vendors who wish to participate in NCCoE to submit a letter of interest. That's the actual website name Federal Register Notice.

- https://nccoe.nist.gov/projects/use_cases/capabilities-assessment-securing-manufacturing-industrial-control-systems

MEMBER QUESTION: Do you get Intellectual Property concerns?

JIM's ANSWER: We are not interested in obtaining anyone's Intellectual Property (IP). We have an agreement called a Collaborative Research and Development Agreement (CRADA), that covers concerns about IP with our collaborators. For use case collaboration with NCCoE, CRADA language is set up for each project.

Jim McCarthy to Energy COI: Questions/Comments—Has anyone reviewed situational awareness guide?

Member response: Just starting to review now. Looking at it now. Very good. Solid piece of work.

Jim McCarthy to Energy COI: We always consider comments that arrive late but you can make any comments through April 17. We are also hoping to finalize IDAM in March.

Tania Copper to Energy COI: Next call last Tuesday of March. Last Friday's call will receive minutes this week, and minutes for this call are coming sometime next week.

MEMBER QUESTION: How best to reach NCCoE?

Jim McCarthy to Energy COI: Use the energy email address to get on our email update list. Forum is open, if you have information to contribute, want to include slides and present at the calls, we would welcome the opportunity.

We want to get guest speakers on these monthly calls. Please make sure the content will help aid our mission goals. We are hoping to start doing this soon.

To Contact NCCoE at 301-975-0200, by email at energy_nccoe@nist

Address: 9700 Great Seneca Hwy, Rockville, MD 20850

http://nccoe.nist.gov/forums/energy

By mail: 100 Bureau Drive, Mail Stop 2002, Gaithersburg, MD 20899

Call ended at 2:45pm