National Cybersecurity Center of Excellence

Increasing the adoption of standards-based cybersecurity technologies

Energy Provider Community Call

09/26/2017

NIST National Institute of Standards and Technology U.S. Department of Commerce

NCCoE NATIONAL CYBERSECURITY CENTER OF EXCELLENCE

Agenda

- NCCoE Energy Sector Planned Activities
- Status of Energy Sector Projects
- Scoping Energy Sector Asset Management
- Manufacturing Update (New COI)
- EPC Open Discussion / Comments / Questions

NCCOE ENERGY SECTOR PLANNED ACTIVITIES

- **4th Annual Industrial Cybersecurity Conference USA Summit**
  October 3 – 4, Sacramento, CA
  NCCoE Energy and Manufacturing Sector Project Overview

- **GridSecCon 2017**, October 17-20, St. Paul, MN
  Convergence of Cybersecurity Situational Awareness Capabilities for the Energy Sector

- **Automation Federation: LOGIIC Executive Committee**
  October 24 -25, Houston, TX
  NCCoE Energy and Manufacturing Sector Project Overview

- **Situational Awareness SP 1800-7 (a,b,c)**
  - Released public draft - 02/16/2017
  - Comment period closed- 04/17/2017
  - Final adjudications complete
  - Final draft expected Fall / 2017

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

- **Energy Sector Asset Management (ESAM)**
  - Focuses on asset management capability for the Energy Sector
  - Will include electric utilities, oil and gas, and other sub-sectors
  - Additional focus given to remote and geographically dispersed assets
  - Received formal project approval 09/20/2017
  - Draft Project Description: Q1 FY 2017 (December 2017)
  - Scoping ideas with EPC

MANUFACTURING BAD

Manufacturing Behavioral Anomaly Detection Use Case :

- NIST Engineering Lab (EL) and Information Technology Lab (ITL)
- Will leverage existing EL Robotics and Process Control infrastructure
- Projected Draft Practice Guide Release Date: 04/2018
- https://nccoe.nist.gov/sites/default/files/library/project-descriptions/mf-ics-1-project-description-final.pdf

EPC OPEN DISCUSSION

- Questions/comments

Contact Us

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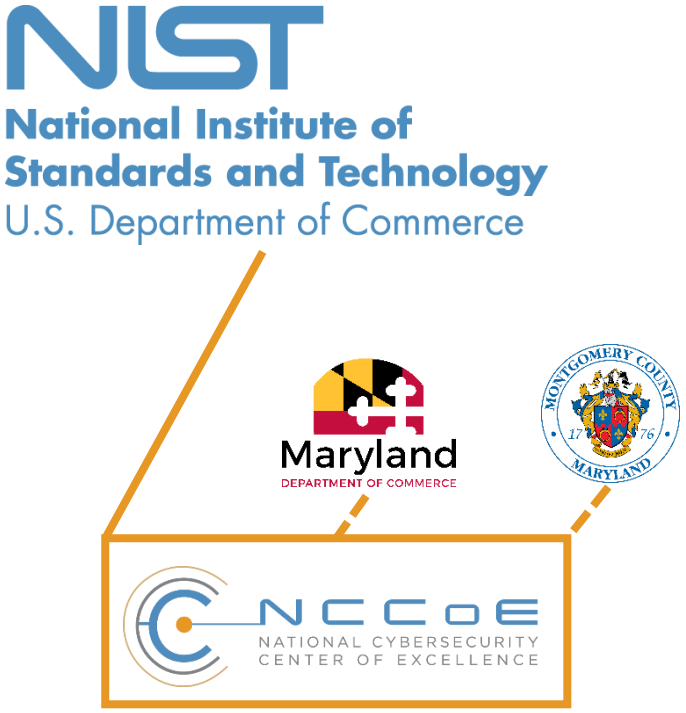
Foundations

Collaborative Hub

The NCCoE assembles experts from businesses, academia, and other government agencies to work on critical national problems in cybersecurity. This collaboration is essential to exploring the widest range of concepts.

As a part of the NIST cybersecurity portfolio, the NCCoE has access to a wealth of prodigious expertise, resources, relationships, and experience.



Engagement & Business Model

DEFINE

OUTCOME:
Define a scope of work with industry to solve a pressing cybersecurity challenge

ASSEMBLE

OUTCOME:
Assemble teams of industry orgs, govt agencies, and academic institutions to address all aspects of the cybersecurity challenge

BUILD

OUTCOME:
Build a practical, usable, repeatable implementation to address the cybersecurity challenge

ADVOCATE

OUTCOME:
Advocate adoption of the example implementation using the practice guide