

NATIONAL CYBERSECURITY CENTER OF EXCELLENCE

JANUARY EPC MEETING

Date 1/27/2015

Time Start-End 2:00-2:30 PM

Attendees Ron Beck (Central Lincoln PUD) Jim McCarthy (NCCoE)
Tim Clancy (Arch Street LLC) Don Faatz (NCCoE)
Ed Acee (West Monroe Partners)
Mike Manske (West Monroe Partners)
Irene Gasko (Florida Power and Light)

Discussion

- Jim McCarthy reminded the build team of the Energy Sector Forum accessible from the NCCoE Web page (<http://nccoe.nist.gov/forums/energy>). Information related to the IdAM Use Case is provided in the Forum.
- Jim McCarthy reviewed the schedule of upcoming product installations.
 - Mount Airey Group is installing Ozone on Thursday, Jan. 29.
 - AlertEnterprise Guardian, CA Identity Minder, and RSA Adaptive Directory will be installed in the next few weeks.
 - TDi Technologies Console Works will be installed the third week of February.
 - Cisco ISE has been installed in a Health sector use case and is available.
 - Globalsign is staging capabilities to support the IdAM build.
- Jim McCarthy and Don Faatz reviewed the results of Use Case discussion held with the Utilites Telecom Council (UTC) and an Energy Sector consulting firm.
 - Use of one-way transfer devices to separate Operational Technology (OT) from Information Technology (IT) have been and continue to be piloted within the industry but are not being widely adopted as business needs dictate bi-directional flow between these environments. Some companies are choosing to completely separate OT and IT environments.
 - Meeting participants noted that some operators, especially nuclear facilities need to separate networks. However, centralization of some services and bidirectional communication between IT and OT has benefits.
 - In some cases, regulatory compliance trumps other system requirements
 - Currently, only 30-40% of utility substations have IP connectivity. The remainder depend primarily on low-bandwidth serial communications. However, many utilities are upgrading substations to IP connectivity to address new NERC IP v5 requirements that must be met in 2016. The current IdAM Use Case build architecture assumes substations have network connectivity to support provisioning of identities and access authorizations.
 - UTC members noted that communications outages are a common reason for substation service calls. Therefore, the IdAM solution needs to consider how access can be handled when communications are not available. Perhaps some pre-provisioned access capabilities could be defined to address this situation. NCCoE will post a summary of this issue in the Energy Sector Forum and EPC members are encouraged to discuss approaches to address this challenge.
 - Meeting participants noted the Siemens Crossbow product is a popular option for providing logical access control at substations. NCCoE is aware of several products that can provide this functionality. Within the IdAM build, a Radiflow product is being used for this purpose.
- NCCoE will announce the opportunity to participate as a partner in building solutions for the Energy Sector Situation Awareness Use Case next week. Publication of the Federal Register Notice should occur next week, as well.

Conclusion/Closing Notes or Need to Follow Up