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May 2024 Newsletter

Future EPRI Events

- **Coming Soon!**
 - **May 15th, 2024:** EPRI P183E Cyber Security Data/Knowledge Applications Task Force Webcast
 - **June 12-13, 2024:** EPRI P183B Birds of a Feather Cyber Security Workshop
- **Save the Date!**
 - **September 16-19, 2024:** EPRI Fall 2024 ED&CS Advisory
 - **December 9-12, 2024:** EPRI Cross-Sector Cyber Security Technology Transfer Event

EPRI Cyber Security News



Wednesday, May 15th, 2024

8:00-9:00am PT / 11:00am-12:00pm ET

[Mark Your Calendar](#)

[Join WebEx](#)

EPRI P183E Cyber Security Data/Knowledge Applications Task Force Webcast

The Data Foundations for Cyber Security Task Force supports the research activities for Pset 183E and helps inform project direction and deliverables for funders. This inaugural Task Force webcast features a presentation from Paul Agbabian, VP and Distinguished Engineer at Splunk and a principal driver of the Open Cybersecurity Schema Framework (OCSF) open-source project.

EPRI Fall 2024 Energy Delivery & Customer Solutions Advisory & Sector Council Meeting

September 16-19, 2024

Location: Los Angeles, California

Who Should Attend: P183 Funders

Note: This is an in-person event.

Energy Delivery & Customer Solutions (ED&CS) is the sector previously known as Power Delivery & Utilization (PDU).

During this time, the Emmys will also be held at a location next to the hotel.

It is recommended to make your room block reservation ASAP!

JW Marriott Los Angeles L.A. LIVE

900 W Olympic Boulevard

Los Angeles, CA, 90015

EPRI Room Block Rate: \$279/night

Available until August 16th, 2024

[Hotel Reservation](#)

[Mark Your Calendar](#)



June 12, 2024

8:00am - 5:00pm EDT

June 13, 2024

8:00am - 12:00pm EDT

FirstEnergy CAET (Center for Advanced Energy Technology) Facility

871 Mull Avenue, Akron, Ohio, 44313

Note: This is an in-person event, for P183B funding member utilities.

[Register](#)

EPRI P183B Birds of a Feather Cyber Security Workshop

June 12-13, 2024

Location: FirstEnergy, Akron, Ohio

Who Should Attend: Cyber Security and IT Professionals at the **funding member utilities for P183B**

The Birds of a Feather Threat Management workshop brings together defenders of utility networks to foster a collaborative and proactive environment where professionals can share their experiences, knowledge, and best practices in addressing the ever-evolving landscape of cyber threats. This year's workshop has a strong theme of cyber-physical IT/OT convergence and will include a virtual tour of FirstEnergy's SOC, practices to detect and protect against National Threats, Insider Threats and learning key practices from your peer utilities among other topics.

By learning from experts inside and outside of the utility industry, the workshop aims to facilitate the exchange of valuable insights and innovative solutions that can effectively mitigate the risks posed by sophisticated cyber-attacks on critical infrastructure. This collective learning experience strengthens the capacity of the industry to withstand and recover from potential cyber incidents.

New Supplemental Project Notice

Utility Red Team Collaborative

Project Highlights include:

- Enhance Cyber Resilience with Peer Electric Utilities: Identifying and addressing latent vulnerabilities in a collaborative yet confidential environment.
- Develop Red Team Experience: Utilities that allow their red team resources to participate will be able to provide those resources with additional experience attacking new infrastructure and the ability to learn from their peers in the industry.
- Industry Trends and Best Practices: Utilities will be able to see common trends, vulnerabilities, and defensive capabilities between utilities by having access to non-proprietary anonymized results collected from assessments.



Product ID: 3002028094

Who Should Join: Electric utilities interested in having red team assessments performed on their infrastructure.

[Download](#)

New Deliverable

Cybersecurity Decision Framework for Utility Scale Energy Storage

This report provides insights on commonly used architectures that utilities use to deploy energy storage systems and investigates cyber security risks for each of those architectures. Cyber risks applicable to generic energy storage system have been identified and security requirements to mitigate those risks are detailed. Four architectures have been identified based on participating utility's interests. Storage systems are promulgating throughout utility systems and are slated to become a prevalent grid support tool. Given the increasing reliance on these new storage technologies and the expanding focus on ensuring the cyber security of the grid, it is necessary to research how cyber security approaches can be best applied to energy storage. This report provides a high-level risk analysis and security controls covering all the four architectures.



Product ID: 3002030225

Who Should Download: Utilities that want to gain a greater understanding into the link between energy storage systems and security architecture.

[Download](#)

P183 Staff Visit Powerlink Transmission Utility in Australia

EPRI resources John Stewart and Christine Hertzog recently visited new P183 member Powerlink, a transmission utility in Queensland, Australia. The team met with over 20 resources in the areas of OT and IT cyber security, telecommunications, protection & control, and senior management for control centers and technology projects.



The company serves two local distribution utilities and is growing as the population of Brisbane and outlying areas expands. Powerlink currently provides service to more than five million Queenslanders and 253,000 businesses. Their network

extends 1,700 kilometers (km) from Cairns to the New South Wales border, which is roughly equivalent to the distance between New York City and Tallahassee, FL. Power is delivered through 15,345 circuit km of transmission lines and 147 substations with both metrics scaling rapidly to meet demand.

This utility has embarked on an ambitious 10-year initiative to refresh critical infrastructure including a new EMS system, a new GIS system, a new OMS solution with a new control center planned to support operations. Some of the challenges Powerlink shared include the complex integration of legacy technologies with modern systems and the scarcity of skilled resources to help design operate and maintain the grid.

Additionally, Powerlink has developed some creative solutions to address these challenges by standing up a variety of organizations that are focused on different business capabilities. The use of separate IT and OT security teams enables Powerlink to leverage dedicated resources who are familiar with the unique requirements found in both environments. Past EPRI work on the “Security Integration” topic has highlighted the need for early coordination between the substation design and security organizations. Powerlink has developed a comprehensive substation design standard that is version controlled for different vintages of equipment which allows the security team to understand the technology within a station by referencing the specific version of standard that was used for the design. To ensure alignment, appropriate security controls have been designated for each version and can be applied in a repeatable manner. For more information about the solutions used by Powerlink, contact John Stewart, jstewart@epri.com.

EPRI Events – Save the Date!

Dec 9-12, 2024

EPRI Cross-Sector Cyber Security Technology Transfer Event

Location: EPRI office

More information will be coming soon.



Industry Events



You can learn more about the event and register below. Don't miss out on free food – register today!

[Register Here](#)

Attending the RSA Conference?

Attend the Open Cybersecurity Schema Framework (OCSF) Breakfast

EPRI has secured an invitation for P183 members to attend the Open Cybersecurity Schema Framework (OCSF) breakfast on Wednesday, May 8 from 7:30-9:30AM. The [OCSF](#) is an open-source project, delivering an extensible framework for developing schemas, along with a vendor-agnostic core security schema. During the breakfast you'll hear the latest news about the framework and its importance to cyber security data management and operations.

[RSA Conference](#)

May 6-9, 2024 -
San Francisco, CA

[Black Hat USA](#)

August 3-8, 2024 -
Las Vegas, NV

[InfoSec World](#)

September 23-25, 2024 - Lake Buena Vista, FL



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