

Introduction to Cybersecurity in OT Networks Presented by Schweitzer Engineering Laboratories

Date: Tuesday, April 19 2022. 8:00-2:30

Location (in-person only): NEPPA Conference Center, 200 New Estate Road, Littleton, MA 01460

Registration: Andrew Murray, PLM amurray@plmnet.com

The seminar covers cybersecurity and securing operational technology (OT) networks for substations and industrial plants. Attendees will understand the threats to industrial control systems (ICS) and the methods used to secure them.

The goal of this seminar is to identify threat vectors, discuss the concept of risk, introduce mitigation methods, and identify zones of protection. In addition, it will discuss individual roles in cybersecurity. This seminar introduces OT security language so attendees can discuss these concepts, implement security steps/processes to their role, and create a culture of security and risk management within their organization.

Overview/Agenda

- Learning Outcomes
- IT vs. OT
- Timeline: threats to Critical Infrastructure
- Threat Vectors
- **Exercise** – Network Attack Vectors
- Discussion of Risk
- Short video of Donald Rumsfeld mentioning “known-unknowns”
- **BREAK**
- Mitigation Techniques
- Real World Examples
- **Lunch**
- Software-Defined Networking
- Fireside Chat (Open Informal Discussion)