Understanding OT Cybersecurity & IEC 62443- Training Workshop

Venue: Mumbai

Emerald Hall, Hotel Ira by Orchid, Andheri Kurla Road, Andheri (East), Mumbai 400059

Date: 2nd August 2023

What is this training event all about?

OT is short for Operational Technology. These are computer based systems that control physical objects and parameters in the real world. Although these systems do process data, their main function is to monitor and control physical objects and parameters. Some examples of OT systems include:

* Industrial Automation and Control Systems (including DCS/PLC/SCADA/SIS)

* Building Automation Systems

* Heating, Ventilation & Airconditioning (HVAC) Control Systems

* Ship Steering & Control Systems

* Marine Port cranes

* Automated Warehouse Stacking Systems

There are more such systems and they are in many different industrial sectors.

Why is OT Cybersecurity different from IT cybersecurity?

Both OT systems and IT systems are computer based systems that may be vulnerable to cyberattacks. A cyber attack on an IT system may result in loss of data, information and perhaps money; however an attack on an OT system may result in not only loss or theft of data, but may also lead to physical consequences such as fires, explosions, loss of containment, equipment damage, harm to people and harm to the environment.

Many OT systems that exist today are insecure from the design stage itself, since it was never envisaged that they would be the target of cyberattacks. Additionally, the priorities of defending OT systems and IT systems are different, so the strategies and techniques are also different. For IT systems confidentiality of data is a priority whereas for OT systems, availability is a priority. Furthermore OT systems may be a few generations older than IT systems and the tools used to protect IT systems may not be suitable for protecting OT systems.

Additionally, the standards that govern OT systems (such as IEC 62443) are different from IT cybersecurity standards.

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Who Should attend?

Any technical professional who has some work experience in working with any IT system or OT system can attend. Participants should have a basic understanding of computers and their networking and preferably be familiar with typical industrial operations.

Some typical attendee profiles are:

* Instrumentation & Automation Professionals

* IT Heads (CIOs) from manufacturing or Critical Infrastructure or Marine operations or Transportation or similar organizations having cyber-physical systems

* IT Cybersecurity Professionals

* IT Cybersecurity Auditors

* Process Safety Professionals

* Industrial Plant or Process Engineers

* Management Consultants

What will be covered?

The following topics will be covered.

1. Introduction to Operational Technology (OT) systems.

2. Differences between OT security and IT security.

3. Basic Concepts of OT security- Threats, Vulnerabilities & Attacks

4. Case Study of an OT attack

5. Introduction to CSMS

6. Introduction to IEC 62443

7. Overview of individual parts of IEC 62443

 IEC 62443-1-1

 IEC 62443-2-1

 IEC 62443-2-3

 IEC 62443-2-4

 IEC 62443-3-1

IEC 62443-3-2

IEC 62443-3-3

IEC 62443-4-1

IEC 62443-4-2

8. Carrying out a OT Security Risk Assessment

9. Q & A

What do the different Ticket types mean?

There are three different types of tickets available to attend this event. You can buy any one type.

They are given below.

1. Basic Ticket

This ticket includes attending the full day training event, lunch and tea/coffee.

It does not include anything else.

2. Premium Ticket

This ticket includes attending the full day training event, lunch and tea/coffee and a Certificate of Participation on attending the full day event.

3. Premium Plus Ticket

This ticket includes attending the full day training event, lunch and tea/coffee, a Certificate of Participation on attending the full day event, printed handouts of the training material and a discount coupon worth Rs. 5000/- that can be used while enrolling in the Abhisam **Certified Industrial Cybersecurity Professional** (CICP®) course

How to Register?

Please visit the link below to purchase the tickets. Only a limited number of tickets will be sold.

https://in.explara.com/e/fundamentals-of-ot-security--iec-62443

More Information?

Contact us at sales@abhisam.com or Telegram us/Call us on +91 7208060349