



Security Fundamentals for OT Leaders

1 day | 7 CPEs | No equipment needed

Course code: ICS110



The UK NCSC Assured Training course **Security Fundamentals for OT Leaders** has been designed to provide those working at, or moving into, a Leadership role with an understanding of today's cyber security challenges facing their OT/ICS environments. Many of these environments provide vital services to a Nation including energy, water, public transportation, food manufacturing, etc and all rely heavily on being safe from all risks including cyber. The knowledge provided by this course is important when leading the day to day running of all aspects of security risk for those environments which will allow for continued safe and reliable operations.

This course will provide students with the understanding on how best to identify and support their organisations cyber security and risk mitigation/reduction strategies for any cyber-physical environments whether they are currently 'in role' or moving into the role either through promotion or lateral movement within the business.

Siker have worked in partnership with the UK's National Cyber Security Centre (NCSC) and leading Critical National Infrastructure companies to produce this short course.

Pre-Requisites

There are no pre-requisites for this course and a handbook will be provided for each student.

Who Should Attend

If you are a manager responsible or accountable for any aspect of an ICS environment including:

- Business Technical/Engineering Lead
- IT Security Leader/Manager
- Procurement Lead
- OT/ICS Policy/Decision Maker
- Site/Asset Single point of Accountability (SPA)
- Site/Asset IT Manager
- Site/Asset Physical Security/Facilities Manager Lead

What You Will Learn

By the end of the course you will be familiar with:

- How to identify the current and emerging threats to your ICS environments
- Where your ICS environments may be vulnerable
- What actions you need to take to secure those environments and help reduce the risk
- How to build an OT Security team
- How to prepare for and lead an OT cyber security incident
- The importance of Security Awareness and Training

Training Formats

Live Training - Classroom, Private

Online Training - Awareness, e-Learning, Public

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Session Descriptions

Session 1: Security Management and Leadership

- An introduction to OT Security Management and how to lead
- What are the differences and similarities between IT and OT?
- What does your OT Attack Surface look like and who is looking at it?
- An introduction to current technology trends in OT
- An introduction to OT Security risk management
- A discussion of ICS Security incidents

Session 2: Building an OT Security Program

- How to build an effective OT Security team.
- Planning to reduce the security risk to your OT environments
- An introduction to ICS cyber incident response
- Leading an OT Cyber Incident

Wrap Up/Exam

CyBOK Knowledge Areas

This course addresses the following Knowledge Areas:

- Adversarial Behaviours
- Risk Management and Governance
- Security Operations and Incident Management

Accreditation

This course has been assessed under the NCSC Assured training scheme. Those students who pass the associated exam will qualify for the APMG digital badge for Security Fundamentals for OT Leaders.

Attendees can earn 7 CPEs

Authors Statement

“As the world of OT becomes increasingly converged with other business areas, combined with the vastly increased use of digital technology, the business Leaders in these areas have to train and equip themselves with the Knowledge and Skills to perform their critical roles in the protection of the business and, by default, the National Critical Infrastructure.

This course has developed over the last decade to become an NCSC Assured training course which will empower Leaders in the OT arena, whether existing or moving upwards on promotion as well as those who are in other business units who may be inheriting OT accountabilities. This will allow them to face the challenge head on and protect what we all need be it power, clean water, transportation and a myriad of other OT areas.”

Author: Tim Harwood

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