COURSE DESCRIPTION

T153 - Cyber security related to IACS and SIS lifecycle management awareness
One day training course

This course is to provide an end user / EPC perspective of the key management, design, operations and maintenance of cyber security requirements in the context of IACS and Safety Instrumented Systems (SIS) projects according to IEC 61511 and IEC 62443 requirements.

Course duration
The duration is 1 day.

Course type
This is an instructor-led course with classroom discussions regarding the implementation of cyber security in the context of IEC 61511 and the relationship to IEC 62443.

Delegate profile
This training is targeted to asset owner / end user and engineering contractors / EPC stakeholder managers, project engineers, safety engineers, operations managers, electrical, control, instrumentation, maintenance, information technology and application engineers who require a general introduction and awareness to the relevant industry standards and the key requirements for security risk assessment and compliance.

The course is particularly useful for those managers and engineers who may be directly or indirectly, involved in executing control and safety system projects with a particular focus on physical and cyber security lifecycle management.

Course objectives
Upon completion of this course, delegates should be able to:

- Describe the principles of cyber security management and the key features of industry standards and technical reports
- Describe the requirements of the cyber security lifecycle in the context of IEC 62443 and supporting industry guidance
- Outline the key deliverables from the cyber security risk assessment in terms of specification, design, operations & maintenance cyber security lifecycle phases, and roles and responsibilities
- Undertake an example automation system risk assessment to appreciate the processes to be applied in the workplace
- Understand the requirements for proper inspection, operation, maintenance and modification of installed cyber security measures as required by the safety and security standards
Topics covered:
- Background on functional safety and cyber security
- Regulations and standards
- Management of functional safety and cyber security
- Competency management
- Cyber security risk assessment
- Security requirements in specification
- Security requirements in design and engineering
- Security requirements in operation and maintenance
- Security requirements in modification and decommissioning
- Verification, validation, audit and assessment
- Continuous review and improvement
- Practical cyber security risk assessment exercise

How to order
Please contact ABB University as listed below for either attendance at any open course being planned in your region or if you would like to run a training course specific to your organisation.

For on-site training, a fixed price training proposal will be issued to you for your approval to proceed.

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https://new.abb.com/service/abb-university
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