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VIRTUAL TRAINING COURSE

# IEC 61511 compliance for technicians (T251F)

A one day training course.

[19 October 2022 - Virtual classroom](#)

18 April 2023 - Virtual classroom



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# IEC 61511 compliance for technicians (T251F)

This course will provide an end user / EPC perspective of the key risk management, design and operational requirements of functional safety according to IEC 61511.

This includes the key steps to compliance in the context of Safety Instrumented Systems (SIS) installed at site.

## Learning objectives

Upon completion of this course, participants will be able to:

- Appreciate the principles of functional safety and key features of IEC 61511
- Describe the requirements of the safety lifecycle
- Understand the concept of Safety Integrity Levels (SIL)
- Understand the key factors used in SIS engineering and design
- Understand the requirements for operations, maintenance and modification of SIS

## Delegate profile

This training is targeted to asset owner and engineering contractor control / electrical technicians and supervisory staff who require a more in-depth introduction and understanding to the functional safety standards and the key requirements for operations and maintenance compliance.

The course is particularly useful for those technicians and supervisors who may be directly or indirectly involved in operating and maintaining SIS.

## Course type

This is an instructor-led course with classroom discussions regarding the implementation of IEC 61511 and the relationship to SIS operation and maintenance.

## Certificate

On successful attendance at this course, a certificate will be issued and approved by the ABB Training Technical Authority.

## Duration

1 day

## Price

£450 + VAT

### **Course tutor**

**John Walkington** CEng FIMechE has some 39 years' experience within the Process Industries and is currently global head of department for the management and governance of a TÜV Rheinland accredited functional safety management system for the design, engineering, operation and maintenance of safety related systems within ABB's global network of certified Safety Project Execution & Service Centers.

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### **Agenda**

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Background to the functional safety standards

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Key concepts and the safety lifecycle

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Risk assessment and target SIL

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Safety requirements and design

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Operation, maintenance and modification

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Verification, validation, audit and assessment

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Alarms and security

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Knowledge review quiz

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ABB reserve the right to amend the course agenda.

### **How to book**

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