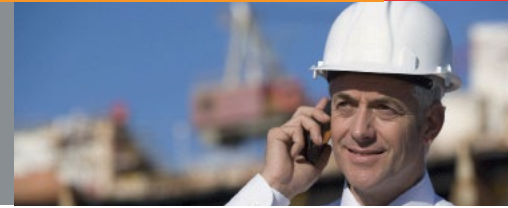


Overview of IEC 61508 and How it Applies to End-Users

exida Can Show you the Way



Training Course: Overview of IEC 61508 and How it Applies to End-Users

The IEC 61508 standard for functional safety of electrical /electronic and programmable electronic systems explains the concepts of safety integrity levels, the safety lifecycle, and many detail requirements needed to ensure functional safety. Though the standard is typically referred to as the manufacturers standard, end-users in the process industry are likely to run into IEC 61508 references, e.g. regarding certification of equipment.

This training course will provide an introduction into IEC 61508 and explain what manufacturers are required to do in order to achieve exida IEC 61508 certification. The training course will also explain what end-users need to look for in any certification report/compliance claim.

Skills You Will Learn:

- Understand the scope and general requirements of IEC61508
- Understand how IEC 61508 certification benefits end-users
- Understand what to look for with IEC 61508 certified products

Course Topics:

- Introduction to IEC61508 background
- Definitions
- The IEC61508 safety lifecycle project engineering flowchart
- exida assessment levels
- Certification requirements
- Certification results

Who Should Attend:

- I & E engineers
- Safety engineers
- Plant managers

Course Length: 1 Day

COURSE MATERIALS PROVIDED

Learning from the Experts

Experience has shown that most companies benefit from training as the first step in implementing a safety, security, or alarm management program. Having a solid understanding of the relevant industry standards, requirements for compliance, and best practices (tools and techniques) ensures a focused and cost-effective initiative. Led by industry experts, exida offers a number of training options that can be modified to help meet the specific needs of your company. Whether your interests lie with Functional Safety, Control System Cyber Security, or Alarm Management, exida has the experience and expertise to ensure an informative and rewarding training program.

About exida Training:

Functional Safety

exida offers overview courses on both the IEC 61508 and IEC 61511 standards focused on understanding what they mean and how to comply with them. Along with overview courses, exida also offers more in-depth training options that provide hands-on access to exSILentia, exida's own SIL Selection and SIL Verification tool. With various options available, exida can offer modifications to the training options that will be suit your company's needs at the present time.

Control System Cyber Security

Cyber security has quickly become a serious issue for professionals in the process and critical infrastructure industries. An unprecedented number of security vulnerabilities have been exposed in industrial control products and regulatory agencies are demanding compliance to complex and confusing regulations. There are well established strategies and techniques that automation professionals can employ to discover and mitigate security vulnerabilities and improve the inherent security of their products and systems. Learning and adopting these strategies will help companies stay ahead of potential vulnerabilities. exida offers both basic and in-depth training options that will provide you with the information and skills necessary to help your organization implement and maintain secure control systems.

Alarm Management

exida's Alarm Management practices and principles training discusses industry best practices for alarm management including and educates key personnel about how their roles & responsibilities could be affected by complying with the ISA-18.2 standard. Creating an effective, sustainable alarm management program that delivers quantifiable benefits and complies with industry standards and guidelines is a key aspect of our training. Participants are prepared to support a facility alarm management program including the creation of an alarm philosophy document, alarm rationalization, analyzing alarm system performance, alarm system maintenance, and resolution of alarm management issues. Also available is an in-depth training on SILAlarm, exida's own alarm rationalization tool, which is used to guide the participants through the rationalization process and capture the results.

These various exida training programs have been designed to help accommodate your time and budget. Options include training courses delivered in various cities around the globe, your office location, an exida office, or through computer-based training modules.

exida also regularly publishes white papers and textbooks to facilitate learning on key topics, such as the best-selling book [Safety Instrumented System Verification](#). Stay tuned for new exida authored books to be released in 2012.