



MANAGING THE FUNCTIONAL SAFETY OF ROAD VEHICLES TRAINING COURSE

The increasing complexity and safety requirements of embedded components and systems is a real and present challenge for the automotive industry. Modern vehicles, ever complex, are now designed with up to 70 Electronic Control Units (ECUs) in some cases, units which can often be tasked with controlling highly-critical functions.

The ISO 26262 (Functional Safety) standard is the de-facto standard for embedded systems in road vehicles. To guarantee the appropriate levels of road safety, ISO 26262 addresses the planning and development of safety-critical systems, setting out the Automotive Safety Integrity Level (ASIL) requirements for ECUs. The higher the ASIL of any given specific system, the higher the development and verification & validation integrity requirements that need to be considered. For the highest level specified, ASIL-D, up to 40% of the development effort easily goes into verification & validation and safety management activities.

KEY FEATURES

- ISO-SupProc: supporting the processes required for developing safety-critical embedded systems
- ISO-FSM: functional safety management in road vehicles
- ISO-SysDev: considering functional safety in embedded systems development
- ISO-HwDev: considering functional safety in hardware development
- ISO-SwDev: considering functional safety in software development

ATTENDEES WILL LEARN

- About the objectives, scope and key principles behind ISO 26262
- How to get to grips with safety and product lifecycles in the context of ISO 26262
- About Automotive Safety Integrity Level (ASIL) requirements, assessments and verification
- How ASIL impacts system design and development processes
- How to ensure ISO 26262 compliance when integrating systems from different suppliers
- About what is required to demonstrate compliance with ISO 26262

PRIVATE TRAINING

This training course can be provided on-site at client premises and can be tailored to best suit individual needs.

FIND OUT MORE

Please call the training team on +351 239 989 100 or email us on training@criticalsoftware.com

