



SITRAIN Safety Courses – Guidance Notes

To be read in conjunction with the separate schematic showing the safety training pathways offered by Siemens SITRAIN (UK & Ireland).

This can be found in the Useful Downloads section of our website. www.siemens.co.uk/sitrain

- Layer 1 - Regulatory (Siemens TÜV Functional Safety for the Process Industry Workshop & Certification or Functional Safety for the Machine Industry Workshop & Certification)

This is a common start point for establishing knowledge of the regulatory framework governing safety system design, implementation and support. For anyone whose role requires them to comply with the law governing safety related systems in Great Britain this is a valuable contributory step in establishing their safety competence. Building and managing competence is a key element of the guidance provided by the Health and Safety Executive (HSE) in monitoring compliance with the law for safety related systems.

The training workshop itself focuses on understanding Functional Safety, identifying and applying the relevant ISO/IEC standards (ISO 13849/ISO IEC 62061) and safety parameter calculation (PL, MTTFd, DC, SIL and PFH). The Siemens TÜV Functional Safety for the Process Industry Workshop and Certification (Code ST-WSFSP) or the Functional Safety for the Machine Industry Workshop and Certification (Code ST-NSST) provides candidates who successfully complete the certification examination with Functional Safety Certification. The training and examination provided by the STWSFSP workshop and certification or the ST-NSST workshop and certification is not product specific and will act as a generic first step for a number of Siemens product specific safety courses.

- Layer 2 – Technology Specific Foundation Courses

These courses are aimed on building the base level of knowledge required on a Siemens automation technology topic before progressing to the relevant safety training course. Without establishing this knowledge first it will not be possible to participate effectively in the follow-on safety related training modules and complete, where applicable, the required safety assessment.

- Layer 3 – Technology Specific Safety Courses

This layer of training provides the level of knowledge required to utilise the specific Siemens automation technology in a safety system. It assumes that core product specific knowledge has been established in Layer 2 and that regulatory understanding has been established and assessed by the Layer 1 course. For some products, such as AS-Interface Safe, the training also includes a formal assessment of applying this product knowledge in a safety system and certification for successful candidates.

Note: For more detailed guidance on establishing safety competence we would recommend reading the HSE document Managing competence for safety – related systems Part 1 – Key Guidance.

For all enquiries, please contact:

- Siemens plc | Siemens SITRAIN | Sir William Siemens House | Princess Road | Manchester | M20 2UR
- +44 (0)161 446 5048
- training.ad.uk@siemens.com