SIEMENS

S7-300F Distributed Safety Engineering (US-S7SFTE1A)

Type

Instructor-led Learning

Duration and Continuing Education Units (CEU)

2.5 Days
1.7 CEUs

Target Group

- Programmer
- Engineer

Short Description

This course is for engineers and personnel responsible for implementing SIMATIC Distributed Safety systems, including: • Selecting the appropriate architecture • Selecting the components and understanding their specific purposes and limitations • Specifying the module and system wiring • Developing the safety PLC program • Starting up and supporting the system.

This course introduces the student to a Siemens Distributed Safety PLC application. Participants receive knowledge on applying the system per relevant standards, Failsafe Hardware Module details and parameterization, Safety Program structure and implementation, Safety Communications, System Diagnostics and introduction to Drive Safety.

Objectives

- Locate and understand the applicability of the detailed documentation and development resources
- Select and configure the Failsafe Hardware components, and understand their application restrictions
- Properly implement a Safety program in the PLC
- Document, test, and troubleshoot the system

Content

- Introduction to Distributed Safety
- Standards discussion
- Hardware introduction and safety wiring
- STEP7 quick tour
- STEP7 Distributed Safety overview and labs
- Reintegration
- Safety Logic
- System Communication overview
- Diagnostics
- Cotib.xls Throughput Calculations

Mandatory Prerequisites

S7 Programming 1: US-S7TIAP1C

OR

S7 System Tools and Troubleshooting 1: US-S7300S1C

Language

English