SIEMENS

eTest for the course SIMATIC PCS neo Safety (Face-to-face Test) (CP-NEO-S)

Short Description

Attendance of the SIMATIC PCS neo Safety course in connection with this eTest is a prerequisite for further certification as a Siemens Functional Safety Professional (SFSP).

You find more information about SIMATIC PCS neo Safety under following link:
"SIMATIC PCS neo Safety integrated in the web-based PCS neo"

In a theoretical performance test, your basic knowledge for the creation and project planning of fail-safe systems for the new SIMATIC PCS neo process control system will be tested. After passing the exam, you will receive a certificate of successful participation in the "NEO-SAFETY" course.
This qualification is proof of your skills and knowledge in safety technology in the process industry.

Objectives

- Creating of a PCS neo conform with safety applications.
- Assessment of safety instrumented functions.
- Calculate and adjust F- relevant times.

Target Group

- Project managers, project staff
- Programmer
- Commissioning engineers, configuration engineers

PCS neo Specialists use fail-safe technology in the process industry as part of the Siemens Partner Program.

Content

- Functional safety basics from IEC 61508 and IEC 61511
- LOPA (Layer of Protection Analysis) and SIF (Safety Instrumented function)
- System architecture and diagnostics in safety components (Hardware, software and communication)
- Overview about F-Hardware
- Parameter in HW-Configuration (safety mode, sensor evaluation, addressing, monitoring time "Wiring and Voting")
- Safety program (Acknowledgement, voting blocks, block types)
- Safety mechanisms (F-Shutdown, passivation, reintegration, block type)
- Calculate and adjust F-times using neoftime.xlsm (reaction- and monitoring time)

Prerequisites

- General basic knowledge of process control technology
- Independent work with SIMATIC PCS neo

- Experience in engineering and operating visualization with PCS neo (OS)
- Experience in configuring the hardware, as well as programming in CFC with PCS neo (AS)

Content:
- Attending the course "SIMATIC PCS neo Safety (NEO-SAFETY)"

Type

Face-to-face training

Duration

2 hours

Language

en