



Test: Siemens Certified S7 Programmer in the TIA Portal / 西门子S7系统开发工程师认证考试（基于TIA博途）（A7813CP）

Objectives

The practical assessment involves the creation and commissioning of a complex PLC program with components of Totally Integrated Automation from SIEMENS. After passing the examination successfully you will receive a recognized certificate that attests your specialist knowledge.

Target Group

Programmers, Commissioning engineers, configuring engineers

Content

- Configuration of a SIMATIC controller
 - Applicative programming in a complex automation system
 - Programs for an automation system consisting of a standard PLC with distributed I/O, standard HMI device and bus system
 - Programming in compliance with IEC
 - Standardized user blocks
 - Creation and application of complex data structures
 - Variables of a composite and complex data type
 - System blocks
 - Indirect addressing of complex data structures and parameters
- Industrial communication
 - Error diagnostics in a PROFINET IO system with an HMI device
 - Configuration of CPU-CPU communication via Industrial Ethernet
- Human Machine Interface
 - Alternative message methods
 - Consistent transfer of entire data records (recipe management)
 - System error diagnostics with an HMI device
- Motion control
 - Connection of drives
- Connection of drives
 - Significance of security technology in the prevention of accidents

Prerequisites

Completion of course A7811 and A7813

Type

Face-to-face training

Duration

5 hours

Language

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