

SIEMENS PROFINET WITH INDUSTRIAL ETHERNET IN TIA PORTAL

COURSE SPECIFICATIONS

Course Code: IC-PNCOM

Course Length: 4 Days

TARGET AUDIENCE

Programmers, commissioning engineers, engineering personnel, maintenance personnel, service personnel and operators.

PRE-REQUISITES

SIMATIC S7 knowledge according to TIA-PRO1, TIA-SERV2 or TIA-SYSUP. Additionally, an online entry test is available to ensure that the course of your choice fits your competencies.

COURSE OBJECTIVES

- Siemens, a member of PROFIBUS International (PI), offers you the opportunity to learn about the future-oriented PROFINET, the open Industrial Ethernet standard for automation.
- Using SIMATIC NET components, you will learn how to parameterize, commission and troubleshoot a PROFINET network quickly and effectively.
- Numerous practical exercises reinforce the acquired theoretical knowledge.
- This blended-learning course combines Web-based training on the Internet with a 4-day classroom course. As a follow-up to the classroom training, you will receive the WBT "Industrial Ethernet". By using this learning medium, you can maximize your personal learning success of the classroom course.

LEARNING OUTLINE

1. Basics of Industrial Ethernet
2. Basics of PROFINET IO, RT&IRT
3. PROFINET IO with configuring and programming
4. Commissioning with media redundancy
5. Plant-wide engineering and diagnostics with TIA Portal
6. Introduction to the integrated Web-services in the PROFINET devices
7. Utilizing and configuring shared devices
8. Parameterizing and applications of I-Device
9. Links (PN/PN coupler)

10. Data communication between two controllers with S7 connections
11. Ethernet connections (ISO on TCP, TCP, UDP) through open user communication
12. Data communication PC/Controller with an OPC-S7 connection
13. Extensive practical examples with exercises

CERTIFICATION

Successful participants will receive an **international Siemens certificate**. Siemens LTD is accredited by **merSETA** to fulfil the functions as contemplated in SAQA regulation 13 for the standards and qualification as detailed in the statement of accreditation.

MERSETA TRAINING PROVIDER

Onetrust Training Solutions has received full accreditation as a **merSETA Training Provider**. (Certification number: 17-QA/ACC/2313/21.) We are in the process of extending our scope of accreditation for most of our individual training courses and skills programmes.

CONTACT DETAILS

Further enquiries may be directed to:

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