SIEMENS

Certified PROFINET Network Engineer (IK-PNOCPNE)

Objectives

With PROFINET, the PROFIBUS user organization (PNO) has defined an open and cross-manufacturer Industrial Ethernet standard for the field level. To remain competitive, companies need competent personnel who have mastered the new PROFINET IO fieldbus technology. This course provides you, as an engineer, with the opportunity to get qualified on the PROFINET communication technology and to obtain a corresponding certificate.
The course includes a final PNO-certified test, which consists of theoretical and practical tasks. Upon successfully passing the test, you will receive a certificate showing that you are a "Certified PROFINET Network Engineer".

Target Group

Programmers
Commissioning engineers
Engineering personnel
Maintenance personnel
Service personnel

Content

Ethernet and PROFINET telegram concept
Configuration of PROFINET IO networks
Realtime RT and Isochronous Realtime IRT
Device replacement without removable medium
Fast Startup
Device description files (GSDML)
Setup, commissioning, and diagnostics of a PROFINET IO network
Measurements using the Ethernet analyzer (Wireshark)
Tests for Certified PROFINET Network Engineer

Prerequisites

Level of knowledge from "Certified PROFINET Network Installer" course or corresponding course.

IK-PNOCPNI

TIA Portal – Knowledge of hardware configuration is desirable.

Note

According to specifications of the PNO, the qualification measure "Certified PROFINET Network Engineer" is aimed at employees who plan, configure, optimize and commission PROFINET IO networks, and check the Ethernet network in order to detect and clear faults. This course doesn't featuers the I-Device, Controller-Controller-Communication, with STEP7. If you want to get to know the various possibilities that PROFINET and general Communication in Automation Systems offer in the TIA-Portal, we recommend attending the courses IK-PNCOM and IK-IPCOM!

IK-PNCOM

IK-IPCOM

Type

Face-to-face training

Duration

3 days

Language

de

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