

## Certified PROFINET Network Engineer (IK-PNOCPNE)

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### Ziele

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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".

### Zielgruppe

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Programmers  
Commissioning engineers  
Engineering personnel  
Maintenance personnel  
Service personnel

### Inhalte

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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

### Teilnahmevoraussetzung

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

[IK-PNOCPN](#)

### Hinweise

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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 feature the I-Device, Controller-Controller-Communication, with STEP7. If you are interested you could visit the courses IK-PNSYS (STEP7 V5.5) and IK-TIAPN (TIA-Portal).

[IK-PNSYS](#)

[IK-TIAPN](#)

### Typ

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Präsenztraining

### Dauer

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3 Tage

### Sprache

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