SIEMENS

# INUMERIK PROFINET Service (NC-PN-SERV)

## Présentation

In this course you will learn about the structure, function and diagnostics of communication networks with PROFINET and Ethernet.

## Objectifs

Your tasks will include the service and maintenance of SINUMERIK control systems for machine tools.
In this course, you will learn about the structure and function of communication networks with PROFINET and Ethernet. You will learn how to deal with faults and errors in the SINUMERIK NCU environment.
After the course, you will be able to carry out diagnostics, rectify faults and provide the necessary diagnostic data for experts in the event of complex faults.

## Groupes cibles

Service personnel
Maintenance personnel

## Programme / Contenu

Industrial Ethernet and PROFINET basics
Functionality of switching and routing
Commissioning SCALANCE devices as network components
Procedure for troubleshooting and diagnostics
Eliminating and avoiding the most common causes of faults
Practical exercises for fault diagnosis in the form of role plays on real devices

## Prérequis

Good knowledge of the SINUMERIK ONE control system in accordance with the NC-ONE-COM or NC-ONE-SERV (formerly NC-ONE-SIP or NC-ONE-SK) courses.
Or:
Good knowledge of the SINUMERIK 840D sl control system corresponding to the NC-84SL-SIP or NC-84SL-SK courses).

## Remarque

Included in the course price: Free access to the digital learning platform SITRAIN access – starting one week before the start of the course until two weeks after the end of the course.
With the Learning Membership, you can deepen or repeat the content of this Learning Event as well as continue your education on other interesting topics.

This course is suitable for users of the SINUMERIK ONE and SINUMERIK 840D sl controllers. The communication structure via PROFINET is the same in both cases.

## Type

Formation en salle

## Durée

3 Jours

## Langue

en

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