

SINUMERIK ONE Service (SCT-SNONESV1)

Global Reference

Service training SINUMERIK ONE (NC-ONE-SK)

Type

Face-to-Face Learning

Duration and Continuing Education Units (CEU)

26 Hours over 4 Days
2.6 CEUs

Target Group

- Maintenance

Short Description

This course is designed for electrical/electronic end-user maintenance personnel for machine tools using the Siemens SINUMERIK ONE CNC control. This course presumes the customer is using an HMI with IPC or ITC hardware, and the SINUMERIK HMI OPERATE software.

This course emphasizes the maintenance aspects of the SINUMERIK ONE. An overview of the soft key menus of the control is provided, including the basic principles of operating the control. Demonstrations are given on how to competently manage maintenance functions, and on back-up/restore functions of the NC, PLC and PROFIBUS Drive using series start-up archive files. The class format is a mixture of lecture and hands-on exercises. SINUMERIK ONE simulators are utilized to allow the student to build proficiency in control navigation and managing different forms of data.

Objectives

- Edit and store machine data
- Back-up and restore NC data, PLC program and PROFIBUS drive data to the IPC hard drive or System SD Card
- Back-up and restore NC data, PLC program and PROFIBUS drive data to an external data medium
- Diagnosing problems using SIEMENS generated alarm displays
- Use on-screen help functions to help diagnose alarm related problems
- Perform file management functions using System Data Management

Content

- Data back-up and restoration
- Diagnostic functions
- Hardware Overview

Recommended Prerequisites

[Introduction to TIA Portal - Virtual: SCT-PTOILPLCI1A](#)

Mandatory Prerequisites

[TIA Portal Programming 1: SCT-PTTIAP1A](#)

OR

[TIA Portal Programming 1 - Virtual: SCT-PTOILTIAP1A](#)

OR

[TIA Portal Service 1: SCT-PTTIAS1A](#)

OR

[TIA Portal Service 1 - Virtual: SCT-PTOILTIAS1A](#)

OR

[AB to S7 Programming with TIA Portal: SCT-PTABSP1A](#)

OR

[AB to S7 Programming with TIA Portal - Virtual: SCT-PTOILABSP1A](#)

OR

[840Dsl Maintenance 1 w/ Operate: SCT-SNSLM1A-OP](#)

OR

[SINAMICS S120 Basic Maintenance: SCT-DVS12M1A](#)

OR

[Bridging STEP 7 5.x to TIA Portal Programming: SCT-PTTIAU2B](#)

OR

[Bridging STEP 7 5.x to TIA Portal Programming - Virtual: SCT-PTOILTIAU2B](#)

Note

This course does NOT cover the SIMATIC TIA Portal programming language. It is recommended that all SINUMERIK ONE maintenance personal enroll in SIMATIC TIA Portal Programming 1 or SIMATIC TIA Portal Service classes

Language

English

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