
VASS 6 programming for OEMs and Integrators (VASS6OEM)

Short Description

Volkswagen Group Programming Standard

Objectives

Participants will gain proficiency in the VASS 6 standard, with an emphasis on:

- Installing and configuring PROFINET and PROFIsafe components
- Familiarizing themselves with the PLC program structure for plant control
- Managing visualization and becoming familiar with the alarm system

Target Group

OEMs and integrators without knowledge of VASS

Commissioning engineers

Configuration engineers

Programmers

Maintenance personnel

Content

Preparation of the programming device

HW and SW requirements used

Basic Windows configuration

Folder structures

TIA Portal project procedure

Settings in TIA Portal

Device catalog and GSD files

Project creation

Data supply

General approach and configuration steps

PROFINET project creation

HW configuration

Fundamentals of block organization

Symbols

Fundamentals of program structure

ProDiag alarm system

Sequential program programming

Robots

Function definitions

Safety program

Large screen

HMI

Transport technology with multiple operating stations

Central plant monitoring

Prerequisites

The following requirements are essential to participate in the course:

- SIMATIC TIA Portal S7-1500 - Proficiency in the use and programming of the S7-1500 CPU, as well as programming in the Safety Integrated environment
- The required knowledge corresponds to the contents of the TIA-PRO1 and TIA-PRO2 or TIA-SY SUP and TIA-SAFETY courses

Please install the following programs (version) before the course:

- SIMATIC STEP 7 Professional (Version 17 Update 5)
- SIMATIC STEP 7 Safety Advanced (Version 17)
- SIMATIC WinCC Advanced (Version 17 Update 5)
- SIMATIC Visualization Architect (Version 17 Update 5)
- TIA Portal Openness (Version 17 Update 5)
- SIMATIC WinCC Runtime Advanced, 8192 Power Tags (Version 17 Update 5)
- SIMATIC WinCC Logging for Runtime Advanced (---)
- SIMATIC ProDiag for WinCC Runtime Advanced (---)
- SINAMICS Startdrive (Version 17 Update 1)
- PLCSIM (Version 17 Update 5)
- PLCSIM Advanced (V4.0 ... V6.0)

Note

After attending this course, you will gain the necessary knowledge to pass the VASS exam realized by Volkswagen Group, that can be requested to work on VASS 6 projects.

Type

Online-Training

Duration

30 hours

Language

es