

VASS V6 Upgrade Workshop for OEM (CT-VAS6OEM)

Objectives

The workshop covers the relevant programming topics of the VASS V6 standard, especially what's new since the previous version (V05), as preparation for certification by Volkswagen AG.

This is a concise expert workshop targeting commissioning engineers of systems in the VASS V6 standard.

Target Group

Commissioning engineers
Configuration engineers
Programmers

Content

Editing projects, country settings, text lists, designations
Project creation, safety specifics for FSEND DP FRCVDP
Differences in blocks compared with VASS 05:
Elimination of bit memory, DB concept
Programming rules in LAD and Graph 7
Rules for generating the visualization
Compiling and error handling
Software tools for SIMATIC Openness: OpnsToolSuite, OpenTopology, LibraryCompare
PROFINET diagnostics of the VASS standard
ProDiag / Alarms
Block help
Introduction to structure of safety program
Generating a safety program
HMI: New features in the faceplates
Settings in SiVArc
Generating a visualization
Manual follow-up work

Prerequisites

The following requirement is essential for participation in the VASS V6 Workshop:

- 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, TIA-PRO2 or the TIA-SYSUP and TIA-SAFETY courses.
- VASS Standard V05 – Knowledge of the VASS standard and/or project experience in commissioning VASS projects.

Note

Notebook:

Please bring your own notebook to the workshop. The installation of disk drives C and D is required.

Please install the following programs (version) before the workshop

- SIMATIC STEP 7 Professional (Version 16 Update 2)
- SIMATIC STEP 7 Safety Advanced (Version 16)
- SIMATIC WinCC Advanced (Version 16 Update 2)
- SIMATIC Visualization Architect (Version 16 Update 2)
- TIA Portal Openness (Version 16 Update 2)
- SIMATIC WinCC Runtime Advanced, 8192 Power Tags (Version 16 Update 2)
- SINAMICS Startdrive (Version 16 Update 2)
- PLCSIM (Version 16 Update 2)

Type

Face-to-face training

Duration

2 days

Language

en