

## VASS V6 Upgrade Workshop for OEM (Face-to-face Training) (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 FSENDDP 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