

TA Tool Suite Course

Agenda VectorAcademy

Delivery Format:	This Course is offered in Classroom or Remote Format
Duration:	Classroom: 1 day Remote: 10 hours
Target Group:	ECU developers, Software Architects
Prerequisites:	Participation in "AUTOSAR Classic Platform Basic Course" or a good knowledge about AUTOSAR Classic Platform
Goal:	Usage for Timing Aware Design and Verification of AUTOSAR ECUs

1. Basics and Methodology

- > Introduction
- > Best Trace Format
- > Real-time Metrics
- > Timing Constraints
- > AUTOSAR Communication

2. TA. Editing

- > Timing Model
- > Exchange Formats
- > Modelling Concepts
- > TA Workflow

3. TA. Design

- > Runnable to Task Mapping
- > Timing Constraints and SWC Diagram
- > Logical Execution Time

4. TA. Simulation

- > Tool Usage
- > Exercise

5. TA. Inspection

- > Tool Usage
- > Tool Interfaces
- > Exercise

TA Tool Suite Course

Agenda VectorAcademy

6. Tracing Setup with MICROSAR

- > Technical Background – Trace
- > Tracing in AUTOSAR Classic

7. Reports, Workflow and advanced Features

- > Reports
- > Automation
- > Advanced Features

8. Question & Answer

- > Q&A Session for open questions and discussion