

# TA Tool Suite Course

Agenda VectorAcademy

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

## 1. Basics and Methodology | 1.0 h

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

## 2. TA. Editing | 2.0 h

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

## 3. TA. Simulation | 1.5 h

- > Tool Usage
- > Exercise

## 4. TA. Design | 1.5 h

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

## 5. TA. Inspection | 1.0 h

- > Tool Usage
- > Tool Interfaces
- > Exercise

# TA Tool Suite Course

Agenda VectorAcademy

## **6. Tracing Setup with MICROSAR | 0.5 h**

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

## **7. Reports, Workflow and advanced Features | 0.5 h**

- > Reports
- > TA Workflow
- > Automation
- > Advanced Features
- > Exercise

## **8. Question & Answer | 2.0 h**

- > Q&A Session for open questions and discussion