

# AUTOSAR Classic Generator Development

Agenda VectorAcademy

<b>Delivery Format:</b>	E-Learning with practical exercises. Optional trainer sessions included.
<b>Duration:</b>	2 days
<b>Target Group:</b>	MCAL Developer, BSW Module Developer
<b>Prerequisites:</b>	Experience with Java, IDE Eclipse and DaVinci Configurator
<b>Goal:</b>	You will learn how to develop an own generator and BSW Module. You will get an overview of the topics validation and generation. Through several exercises of increasing difficulty, you will gain your first practical experience. You will acquire basic knowledge in the areas of generator fundamentals, data models, validation and generation results and JET templates.

## 1. Introduction

- > What's this Course about?
- > Introduction into Eclipse and Eparm
- > Introduction into the Exercises

## 2. Generator

- > Generator Basics
- > Data Models & Output Files
- > BSWMD Model
- > DefRef Class
- > DefRef API
- > Handle References
- > Validation & Generation Results

## 3. Generator

- > Validator Basics
- > Example of a Validator
- > ValidationResult ID
- > Create Validator Class and Register Your Validator
- > Implement a Filter
- > Implement the Validation Algorithm
- > Create ValidationResult and Add Description, ID and Erroneous CEs
- > Add Dependent CEs and Solving Actions and Report ValidationResult
- > ModelTraverser Validator
- > Advanced Implementation Aspects