



# Agenda VectorAcademy

## DAIMLER SLP10

<b>Duration:</b>	1 Day
<b>Target Group:</b>	ECU Developers of Daimler suppliers and OEM
<b>Prerequisites:</b>	Participation in the AUTOSAR workshop or good AUTOSAR knowledge, certification as a Daimler supplier
<b>Goal:</b>	Get to know the features of the Daimler SLP10 basic software

### 1 | OVERVIEW AND INTRODUCTION | 0.5 H

- ▶ An overview of the general approach of Daimler, motivation, business model/licensing topics (use cases)
- ▶ History of SLPs (<=SLP9), comparison SLP9 vs. SLP10, SLP10 stack overview

### 2 | AUTOSAR AND SLP10 | 1.0 H

- ▶ Get a Basic understanding of what parts in SLP10 are adopted from AUTOSAR, which are in the package and which are not
- ▶ BSW: ASR 3.0 modules, MCAL integration or minimum requirements, additional modules

### 3 | DAIMLER EXTENSIONS (“OEM EXTENSIONS”) | 1.0 H

- ▶ Understanding of the special functionality in the Daimler stack
- ▶ Response on Event Light, Dem Storage Conditions, Warning Event Manager (for Instrument Clusters only), Dcm, Dem, Vehicle Mode Manager (Vmm)

### 4 | CONFIGURING THE SLP10 STACK | 2.5 H

- ▶ Knowledge of the configuration principle, workflow and tools
- ▶ Usage of ECU Extract of System Description (special case: Physical multiple Identity ECUs), creation of an initial ECU-C, Database update

### 5 | DIAGNOSTICS CONCEPT FOR DAIMLER | 1.0 H

- ▶ Knowledge of the configuration principle of Diagnostics, workflow and tools
- ▶ CAN TP/FlexRay ISO-TP configuration, CANdela Toolchain support, Flash Bootloader



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## 6 | INTEROPERABILITY | 0.5 H

- ▶ Attain compatibility of AUTOSAR ECUs on the bus
- ▶ SLP10 based ECUs in an OSEK-NM compound (currently no use case at Daimler)

## 7 | CUSTOMIZATION | 0.5 H

- ▶ Fulfill special customer requirements, 3<sup>rd</sup> party module integration with DaVinci Configurator Pro
- ▶ Application Mode Manager, configuration of Complex Drivers, e.g. IEEE802.3, LIN Transceiver Driver, XCP (detailed topics are subject to change)