

# Diagnostic Test with CANoe.DiVa

## Agenda VectorAcademy

<b>Delivery Format:</b>	This Course is offered in Classroom <b>or</b> Remote Format
<b>Duration:</b>	Classroom: 1 day Remote: 7 hours
<b>Target Group:</b>	Diagnostic users, test engineers, CANoe.DiVa users
<b>Prerequisites:</b>	Fundamentals of Diagnostics and CANoe
<b>Goal:</b>	Knowledge for efficient testing of the diagnostic protocol implementation using CANoe.DiVa

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**Evaluation:**

Validation of learning based on practical exercises.

**Pedagogical, technical and supervisory resources:**

Course material is sent to each trainee. The training will be carried out in adapted rooms.

Competence of the trainer: 15 years of experience in training related to embedded developments, network architectures.

**Method of follow-up of the trainee:**

A sign-off sheet must be validated by the trainee. A first satisfaction questionnaire is planned at the end of the training.

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### 1. Diagnostic Specification

- > Understanding dependencies between diagnostic specification and test
- > State dependencies, data types, negative response codes, constants...
- > Exercise

### 2. Efficient use of DiVa

- > Example for creating a Seed Key DII for automatic Security Access calculation...
- > Timing options
- > Customizing service data and test depth
- > Exercise

### 3. Integration into the test and Simulation Environment

- > Subsequent change of diagnostic parameters
- > Report configuration
- > using the DiVa test module with existing test modules
- > Exercise

### 4. Test Evaluation

- > Test strategy, test design
- > Interpretation of test results
- > Exercise