



Agenda VectorAcademy

CANDELA STUDIO / DIAGNOSTIC WORKSHOP

Duration:	2 Days
Target Group:	Users of Diagnostics, Users of CANdelaStudio, CANoe / CANalyzer or CANape
Prerequisites:	None
Goal:	Introduction to Diagnostics, Working with CANdelaStudio

1 | INTRODUCTION TO DIAGNOSTICS | 0.5 H

- ▶ Motivation and necessity of diagnostics
- ▶ Legal general conditions (OBD requirements)

2 | DIAGNOSTIC PROTOCOLS | 2.0 H

- ▶ Unified Diagnostic Services (UDS)
- ▶ On Board Diagnostics (OBD)

3 | DIAGNOSTICS ON CAN | 0.5 H

- ▶ Address types
- ▶ Address schemes

4 | INTRODUCTION TO ISO TRANSPORT PROTOCOL (OSEK-TP) | 2.0 H

- ▶ Usage and features of OSEK-TP
- ▶ Exercises with CANoe ISO TP observer for trace analysis

5 | INTRODUCTION TO CANDELA STUDIO | 1.0 H

- ▶ CANdelaStudio Templates
- ▶ Graphical User Interface, Definitions of terms

6 | WORKING WITH CANDELA STUDIO | 6.0 H

- ▶ Editing a given data base for diagnostics
- ▶ Exercises
- ▶ Import / Export of diagnostic data



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7 | INTRODUCTION TO ODX | 0.5 H

- ▶ Motivation and Overview of ODX (Diagnostic data format)

8 | INTEGRATING DIAGNOSTIC DATA TO THE VECTOR TOOLCHAIN | 1.5 H

- ▶ Working with CANoe Diagnostic console
- ▶ Generation of test cases with CANoe.DiVa
- ▶ Exercises

9 | QUESTIONS, FEEDBACK, SUGGESTIONS

- ▶ Clarification of open issues
- ▶ Open discussion as feedback for Vector