Agenda VectorAcademy

CANdelaStudio / 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 CANdelaStudio | 1.0 h

- CANdelaStudio Templates
- Graphical User Interface, Definitions of terms

6 | Working with CANdelaStudio | 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

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