

## ODX

### Agenda VectorAcademy

<b>Delivery Format:</b>	This course is offered in Classroom <b>or</b> Remote Format
<b>Duration:</b>	Classroom: 1 day Remote: 5,5 hours
<b>Target Group:</b>	Diagnostic Engineers
<b>Prerequisites:</b>	Diagnostic Concepts, UDS (e.g. Diagnostics / UDS Course)
<b>Goal:</b>	Understanding the ISO ODX Standard

#### 1. Vehicle Diagnostics

- > Vehicle diagnostics
- > Offboard and onboard testers

#### 2. ISO ODX

- > Tester parameterization with ODX
- > Vehicle ODX package and diagnostic service description

#### 3. Data Organization in ISO ODX

- > Data organization in general in ODX-D
- > Usage of tables, references within ODX, value inheritance to avoid redundancy

#### 4. Approach for ODX-D: Diagnostic Authoring with CANdelaStudio (Summary)

- > Diagnostic authoring with CANdelaStudio
- > CANdelaStudio ODX export and building a vehicle PDX with ODXStudio

#### 5. ODXStudio as Viewer and Checker

- > ODXStudio as viewer
- > Checking and fixing data

#### 6. Approach for ODX-F: Software Update

- > Introduction of software update with UDS, ISO ODX-F model
- > Authoring of ODX-F with ODXStudio

#### 7. Parameters and DOPs | Optionally

- > Parameters
- > DOPs

#### 8. DTCs in Fault Memories | Optionally

- > DTCs in fault memories (primary and user-defined)
- > DTC extended data, DTC snapshot data

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### **9. Approach for ODX-D: Native Authoring with ODXStudio for ODX Experts | Summarized Further Reading Material**

- > Describing ECUs in ODXStudio's "ODX Perspective"
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