

XCP

Agenda VectorAcademy

Delivery Format:	This Course is offered in Classroom or Remote Format
Duration:	Classroom: 1 Day Remote: 7 hours
Target Group:	CANape Users, Software Engineers
Prerequisites:	None
Goal:	Knowledge about the XCP Mechanisms

1. Introduction to Fundamentals of the XCP Protocol

- > Topology
- > Communication forms
- > Layout of an XCP frame

2. Models for Synchronous Data Transfer

- > Static and dynamic DAQ lists
- > Organization of the ODT lists
- > Resume Mode (Cold start measurement)
- > Acquisition of measurement data with time stamp

3. Models for Calibration

- > Sector, segments and pages
- > Data page freezing
- > Calibration data page switching

4. Interface Specifications

- > Structure of an A2L file
- > Seed & Key DLL

5. Special Aspects of the XCP Transport Layer

- > XCP on Ethernet
- > XCP on CAN
- > XCP on FlexRay

6. Example Communication Sequences

- > Establishing communication
- > Initialization of DAQ lists
- > Calibration processes