

CANoe/CANalyzer for LIN

Agenda VectorAcademy

Delivery Format:	This Course is offered in Classroom or Remote Format
Duration:	Classroom: 3 days Remote: 18 hours
Target Group:	LIN Users
Prerequisites:	None; some basics about CAN, CANoe or CANalyzer are helpful
Goal:	Knowledge of bit-serial communication in motor vehicles, the physical properties of a LIN network and the functionality of the LIN protocol. Measurement, analysis and stimulation with CANoe/CANalyzer in the LIN environment. Knowledge of CANoe's restbus simulation, insight into LIN test functionalities.

1. LIN Fundamentals

- > Welcome & Overview
- > Introduction to bit-serial communication in vehicles
- > LIN communication principle
- > LIN protocol and message types
- > LIN Diagnostics and LIN Slave Configuration
- > LIN Hardware

2. Measurement, Analysis & Sending with CANoe/CANalyzer .LIN

- > Start-up of CANoe/CANalyzer .LIN
- > LIN Network Description & LDF Explorer
- > Introduction to CANoe/CANalyzer .LIN
- > Measurement & Analysis
- > Sending & Simulating

3. Extended Functionalities of CANoe .LIN

- > Introduction to the Programming Language CAPL
- > LIN Cluster Simulation with CAPL
- > LIN Slave Conformance Tester
- > LIN Stress Feature Set
- > LIN Analysis Feature Set