

Workshop CANoe/CANalyzer Option LIN

| | |
|-----------------------|------------|
| Duration: | 1 Day |
| Target group: | LIN users |
| Prerequisites: | LIN basics |

1 Data Interpretation with LIN Network Viewer (1,5 h)

Objective: Interpretation of LIN network description (LIN Description File LDF) with help of the LIN Network Viewer.

Contents: LIN Network Viewer: Network nodes, messages, signals, conversion formulas, schedule tables, special LIN attributes

2 Introduction to CANoe/CANalyzer LIN Option (0,5 h)

Objective: Convey a basic understanding of CANoe/CANalyzer as a development environment for LIN projects

Contents: 3-phase model for the development of distributed systems (only CANoe), overview of tool components, user control concept, Measurement Setup and Simulation Setup

3 LIN Integration in CANoe/CANalyzer LIN Option (0,5 h)

Objective: Integrate LIN in CANoe/CANalyzer within the Measurement and Simulation Setup and within the evaluation windows

Contents: LIN - Hardware, connection to the Vector tool, places to integrate LIN nodes within the Measurement Setup or the Simulation Setup, and configuration options

4 Measurement / Evaluation (2,0 h)

Objective: Using CANoe/CANalyzer as a measurement tool

Contents: Configuring evaluation windows and function blocks, data tracing, statistical evaluations, signal analysis in the Data and Graphic Windows, logging, exercises

5 Stimulation / Emulation (1,0 h)

Objective: Actively intervene into existing bus traffic by means of traffic generation (generator blocks).

Contents: Interactive generator block, interactive LIN master, exercises

6 Dynamic Simulation with CANoe.LIN (1,5 h)

Objective: Create user defined panels with signal oriented bus access as well as creating a new schedule table

Contents: Using the LIN Schedule Designer, Panel Editor, signal oriented bus access, exercises

7 Questions, Feedback, Suggestions

Objective: Clarification of open issues and open discussion as feedback for Vector