

Introduction to CANoe/CANalyzer FlexRay

Duration:	1 day
Target group:	Users and ECU developers
Prerequisites:	FlexRay Fundamentals

1 Customize a FIBEX file (0.75 h)

Goal:	Customize a real FIBEX file using the FIBEX-Explorer
Contents:	Describing cluster parameters, ECUs, frames, PDUs and signals and their linkage, creating a schedule for FlexRay communication and exercise

2 Motivation (0.5h)

Goal:	Present primary areas of CANoe/CANalyzer application (measuring and simulating), use of a FIBEX file for analysis and for sending a FlexRay frame
Contents:	Structure of CANoe/CANalyzer (measurement and simulation setups) licensing model, linking the FIBEX file, selecting a suitable FlexRay interface

3 Introduction (1.5 h)

Goal:	Convey a fundamental understanding of CANoe/CANalyzer as a development environment for FlexRay projects. Use of CANoe/CANalyzer on a real FlexRay network
Contents:	Configuration of selected FlexRay interfaces, synchronous and asynchronous mode, activating the second coldstart node, activating Wakeup and Startup features in CANoe/CANalyzer, use of the Trace Window to monitor communication, and exercises

4 Measurement and analysis (3.5 h)

Goal:	Receive and analyze frames and signals using the FIBEX file
Contents:	Configuration of analysis windows and filter options, Trace window, Statistics window, signal analysis in Data and Graphic windows, Cluster Monitor for target-actual comparison between the real FlexRay cluster and the FIBEX file, creating panels for displaying and sending signals, logging, exercises

5 Interactive sending (0.75 h)

Goal:	Send out FlexRay frames via CANoe/CANalyzer with or without a FIBEX file
Contents:	Frame panel as a means for manually sending out frames and signals, exercises

6 Questions, Suggestions, Requests

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