

CAPL Programming and Display Panels

Duration:	1 Day
Target group:	CANalyzer users
Prerequisites:	'Introduction to CANalyzer' and programming experience

1 Introduction CAPL (1.5 h)

Goal: Present the potential uses of CAPL programs, Introduce the Browser as a CAPL development environment

Contents: Integrating CAPL programs in CANalyzer, CAPL features, basic event procedures, Windows of the CAPL Browser, compiling in the Browser, troubleshooting with the Browser, associating the CANdb

2 Features and Functions in CAPL (2.0 h)

Goal: Provide overview of CAPL language syntax by means of examples. Develop programs for the analysis and modeling of controllers

Contents: System and event procedures, data types, arrays, initialization, control structures, arithmetic and logical operations, intrinsic functions, access to message selectors, file functions

3 Program Development with CAPL (2.0 h)

Goal: Use CAPL functions in concrete problems

Contents: Exercises and examples on the following topics: Evaluating messages, creating signal statistics, configuring and sending messages, timeout monitoring, gateway, driving controllers, logging functions, using file functions to read and write data

4 Panel Editor & Display Panels (1.0 h)

Goal: Introduce the Panel Editor for creating Display Panels

Contents: Using the Panel Editor to create and change display panels in CANalyzer

5 Tips and Tricks (0.5 h)

Goal: Background information for the user

Contents: Browser format vs. text format, CAPL context, limitations, attributes of messages / signals, creating and linking CAPL-DLLs

6 Questions, Feedback, Suggestions

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