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CANape with XCP on FlexRay

Duration: 1 Day
Target Group: CANape Users in a FlexRay Network
Prerequisites: Basic knowledge of CANape and XCP
Goal: Use of CANape as measurement and calibration tool in FlexRay

1 | Topologies and Signal Transmission | 1.0 h

- FlexRay topologies
- Layout of FlexRay ECUs
- Signal representation
- Termination

2 | Synchronization in FlexRay | 1.5 h

- Startup
- Coldstart node
- Synchronization process and time hierarchy

3 | Communications Structure and Bus Access | 1.0 h

- TDMA (Time Division Multiple Access)
- Communication cycle
- Static and dynamic data transmission segment
- Scheduling
- Cycle multiplexing

4 | Introduction to FIBEX | 0.5 h

- Elements of a network description in the FIBEX Explorer

5 | XCP on FlexRay | 1.5 h

- LPDU_IDs
- Node address for XCP (NAX)
- Configurable FlexRay buffers

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6 | Bandwidth Management in FlexRay | 1.0 h

- Specific XCP commands for the configuration of a FlexRay buffer
- Concatenation Mode

7 | Questions, Feedback, Suggestions | 0.5 h

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