



Agenda VectorAcademy

ISO11783 (ISOBUS) FUNDAMENTALS

Duration:	1 Day
Target Group:	Users and Developers
Prerequisites:	Knowledge of J1939 Fundamentals
Goal:	Learning the fundamental principles of the ISO11783 protocol

1 | FUNDAMENTAL TERMS OF THE ISO11783 PROTOCOL | 1.0 H

- ▶ Philosophy and history of the protocol
- ▶ Overview: Specification documents
- ▶ Fundamental terms

2 | ISO11783 COMPONENTS AND TYPICAL USE CASES | 1.0 H

- ▶ Typical fields of application

3 | DIFFERENCES AND COMMONALTY BETWEEN SAE J1939 AND ISO11783 | 1.5 H

- ▶ Physical Layer
- ▶ Transport protocols
- ▶ Communication

4 | INTRODUCTION ISO11783 APPLICATION COMPONENTS: VIRTUAL TERMINAL (VT), TASK CONTROLLER (TC), TRACTOR ECU (TECU), FILE SERVER (FS), GPS RECEIVER | 4.0 H

- ▶ Explanation of the components in schematic examples and simulations
- ▶ Demonstration of additional software tools in the ISO11783 application field

5 | REVIEW OF THE DAY

- ▶ Questions
- ▶ Discussion and prospect