

# ISO11783 Fundamentals

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| <b>Duration:</b>      | 1 Day   |
| <b>Target group:</b>  | System engineers and developers               |
| <b>Prerequisites:</b> | CAN fundamental knowledge, J1939 fundamentals |

## 1 Fundamental terms from ISO11783 (1,0 h)

Goal: Convey the fundamental concepts of ISO11783

Contents: Explanation of essential terms, overview of the document structure

## 2 ISOBUS components and their application fields (1,0 h)

Goal: Convey the fundamental application fields of the ISOBUS

Contents: ISO11783 components and its application fields

## 3 Differences/Commonality between J1939 and ISO11783 (1,0 h)

Goal: Knowledge about the differences between ISO11783 and SAE J1939 protocol

Contents: Present the differences between the two protocols (e.g. physical layer, transport protocols and network management)

## 4 Introduction of several ISOBUS application components: Virtual Terminal (VT), Task Controller (TC), Tractor ECU (TECU), File Server (FS) GPS-Receiver (5,0 h)

Goal: Convey ISO11783 application components

Contents: Explanation of typical ISOBUS components on practical and schematic examples.  
Demonstration of several tools

## 5 Questions, Feedback, Suggestions

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