Automotive Technology

Automotive E/E Systems Laboratory

Hochschule Karlsruhe
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Experiment 2

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2.3 CANoe configuration

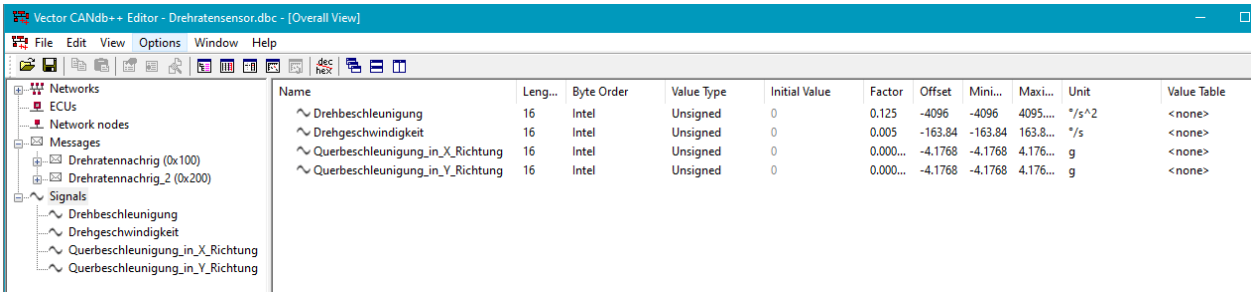
a) How many messages are visible in the Trace window?
2 CAN messages with various information such as time (cyclic time receive and sent), channel number, ID, Event type, Direction, Data length code (DLC), data (user data)

b) What are their identifiers?
100 and 200

c) What is the DLC you can see in the messages?
The data length code is valued at 8 (bytes)

d) What is the cyclic time (Δ t) the messages are send with?
About 0.01 ms for both messages

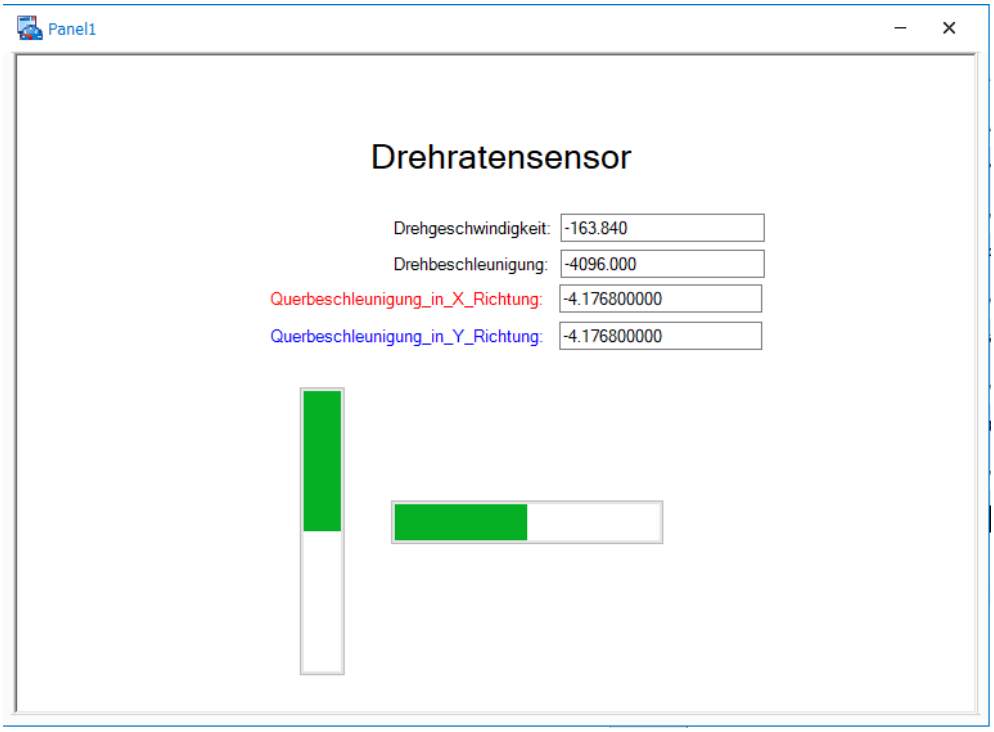
2.4 Database



e) What is different when looking at the message in the Trace window now?

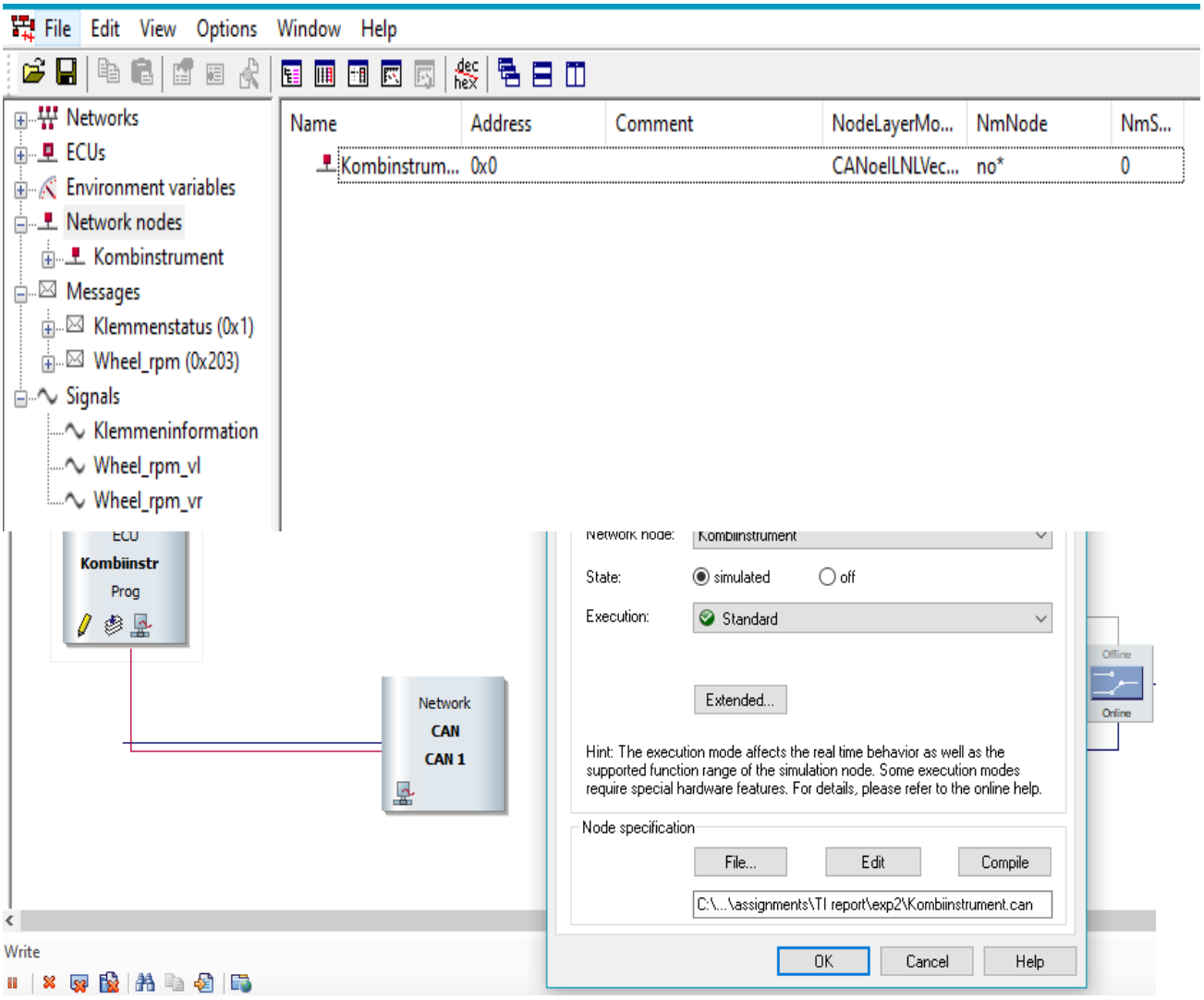
The signal part was filled by 4 selected files that has been provided. The value of factor, offset, length of bit also has been filled in by using data value provided.

2.4.1 CANoe panel



2.5.1 Activating the instrument cluster

a) What can you observe in the trace window (in the video)? Are there any messages that are sent from the instrument cluster?

The warning symbols alert the driver that an important function is activated, or that a serious error or a serious failure has occurred.

b) Do you need a terminating resistor for the instrument cluster? If yes, why?
Yes, terminating resistors are important to eliminate reflective signal in the instrument cluster