

# CANoe Test Package VAG 2.0

## CAN Conformance Tests according to VAG Test Specification VW80118

### Highlights

- > Easy generation of CANoe test environment for each ECU
- > Fully automated test execution and report generation
- > Test package validated and recommended by VAG OEMs

CANoe Test Packages extend the test functionality of CANoe with OEM-specific test implementations. The Test Package VAG generates a CANoe configuration for automated CAN conformance testing according to the VAG test specification VW80118.

### Applications

The Test Package VAG enables VAG suppliers to perform CAN conformance tests according to VW80118. It also allows VAG OEMs to perform quick pre-tests with minimal preparation effort.

### Test Generation

The test configuration generator requires two input files:

- > Test Base Documentation (TBD) of ECU to be tested
- > CAN database (DBC) for the network

Both files are maintained and distributed by the VAG OEM. The generated CANoe configuration consists of a remaining bus simulation for the ECU-under-test and a configured XML test module.

### Test Coverage

The test coverage has been agreed with VAG OEMs. The version 2.0 covers all VW80118 test cases (ver. 2009-02 and 2007-09) required to be performed by VAG suppliers.

### Test Automation

The test package uses CANstress and the test hardware VH1100 to fully automate the test execution. Both pieces of hardware are controlled by CANoe via USB.

### Report Generation

A report in HTML format is automatically generated with each test execution. Log files in ASCII format are also saved for each test case.

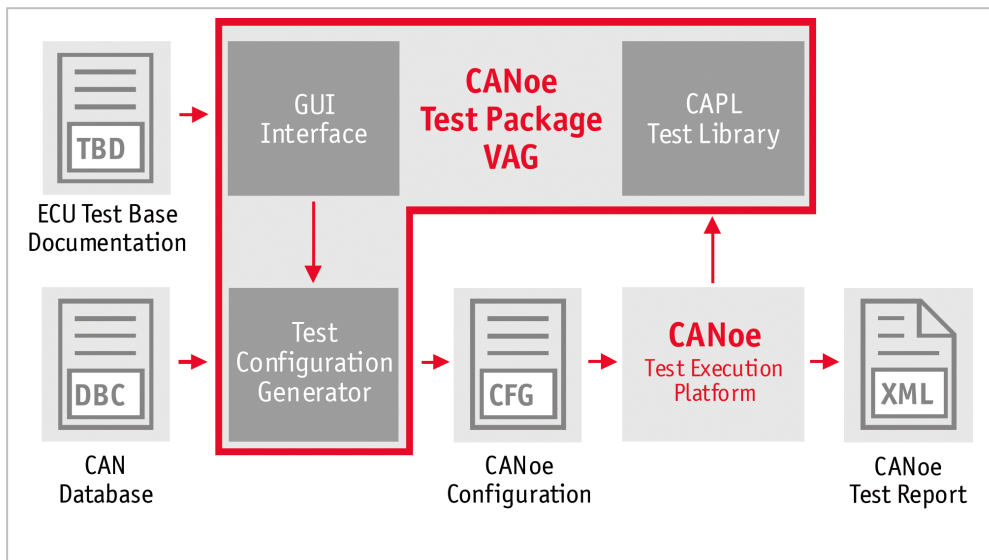
### Scope of delivery:

- > Test configuration generator with GUI interface
- > CAPL test implementations for both UDS and KWP
- > VAG interaction layer for remaining bus simulation

### Hardware Requirements

The test package requires CANoe 7.0 SP5 or higher as well as the following hardware products:

- > Test hardware VH1100 V1.0
- > CANstressDR
- > XL-interface with highspeed CANcab/CANpiggy
- > System requirements see data sheet "CANoe" or "CANalyzer"



Configuration, generation and execution of CAN conformance tests