

# 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.

### Components

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

- > Test hardware VH1100 V1.0 or higher
- > CANstressD (or CANstressDR) V2.1 SP3 or higher
- > XL-interface with highspeed CANcab/CANpiggy

The scope of delivery includes the following software components:

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

### 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

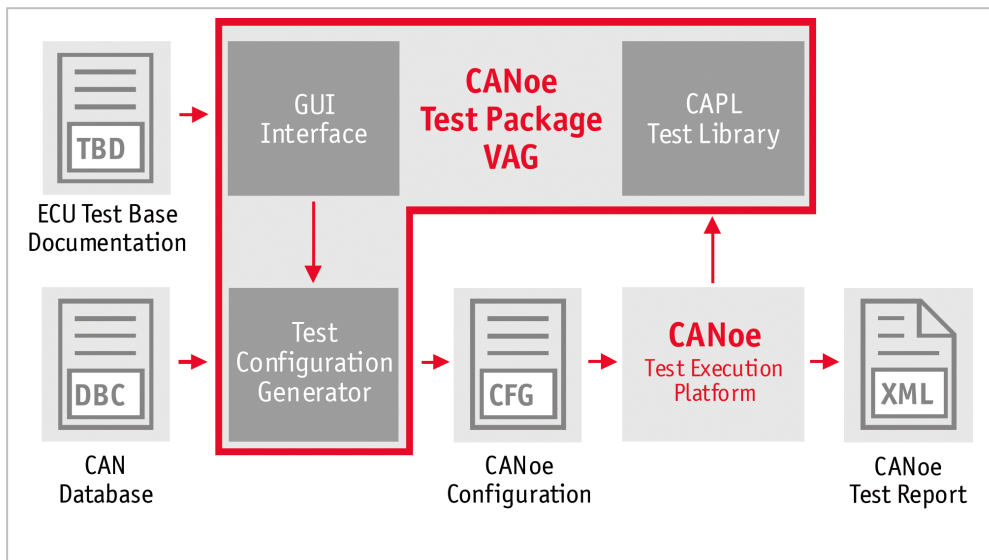
The test coverage has been agreed with VAG OEMs. The version 2.0 covers all VW80118 test cases (ver. 2009-02 and 2007-09) required to be performed by VAG suppliers.

### 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.



Configuration, generation and execution of CAN conformance tests