

# CANoe Test Package VW 80118 1.0

## CAN Conformance Tests according to VAG Test Specification VW 80118

### Highlights

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

CANoe Test Packages extend the test functionality of CANoe with OEM-specific test implementations. The Test Package VW 80118 generates a CANoe configuration for automated CAN conformance testing according to the VAG test specification VW 80118.

### Applications

The Test Package VW 80118 enables VAG suppliers to perform the most important CAN conformance tests according to VW 80118. It also allows VAG OEMs to perform quick pre-tests with minimal preparation effort.

### Components

The test package requires CANoe 7.0 SP4 or higher as well as the following hardware products:

- > Test hardware VH1100 V1.0
- > CANstressD (or CANstressDR) V2.1 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 2 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

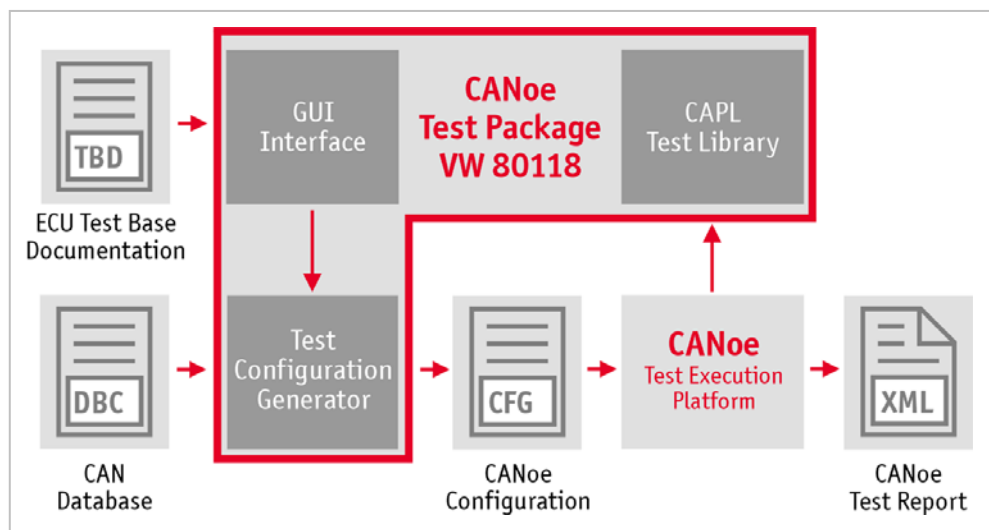
The test coverage has been discussed and agreed with VW. The most important test cases (i.e. those test cases which commonly fail) have been implemented.

### 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