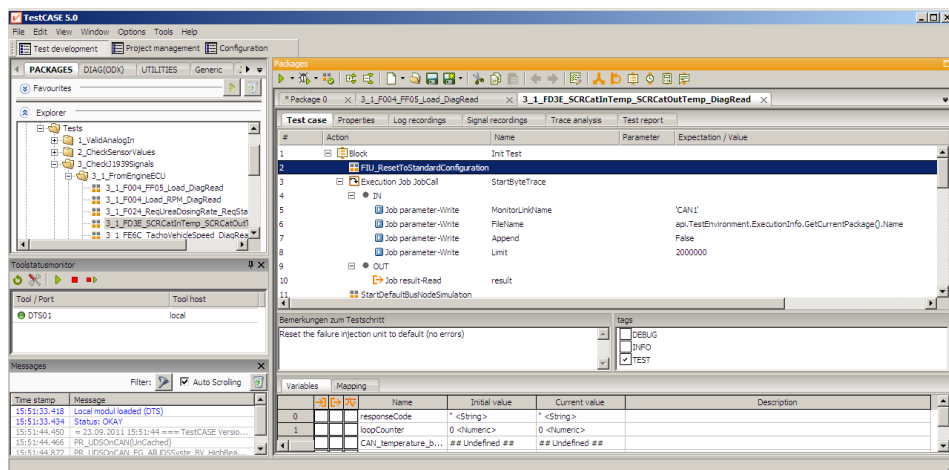


# ECU-TEST

## Automated ECU Test Based on Standard Tools

ECU-TEST is designed for test automation and for the validation of ECUs. Standard test tools are already integrated and can be used together in tests. ECU-TEST is used to design, realize, run and evaluate tests.



### User Friendliness

The user-friendly user interface enables effective and productive testing of ECU software and hardware without necessitating a great deal of familiarization. In addition to controls for developing test cases, plug-ins for tool control and variable mapping are also available. The client/server solution contained enables interfaces and software tools to be addressed on several test bed systems of a networked test environment.

### Reusability

Test cases can be parameterized and structured. Thanks to a generic test description (cross-mapping concept), the test cases generated are virtually independent of the specific test environment hardware/software and can thus be reused extensively.

### Documentation

All test results are logged and are easy to analyze. For this purpose, overviews are created for fast familiarization but detailed views of individual tests are also shown. The reports are easy to save and print for documentation purposes.

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### AREAS OF APPLICATION

- Automated and systematic tests of networked embedded systems in the automotive field
- ECU tests in simulated vehicle environments SiL and HiL
- Test preparation, even without ECU and ECU configuration

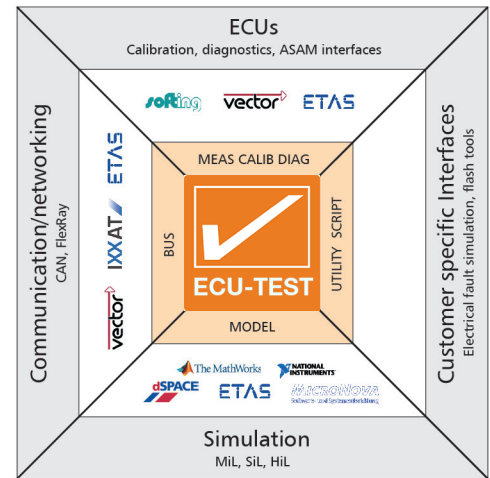
### ADVANTAGES

- Support of (virtually) all relevant test systems
- High reusability of the tests thanks to generic test description (cross-mapping)
- Intuitive graphic user interface
- Networked test environment via client/server solution
- Integrated support of subversion
- Easy to extend for customer-specific requirements

Data Sheet

## Technical Data

Supported software platforms	<ul style="list-style-type: none"> <li>■ dSPACE ControlDesk</li> <li>■ dSPACE ControlDesk Failure Simulation</li> <li>■ ETAS LabCar Operator</li> <li>■ ETAS INCA</li> <li>■ ETAS ASCET SD</li> <li>■ Mathworks MATLAB/Simulink</li> <li>■ National Instruments LabVIEW</li> <li>■ SOFTING EDIABAS</li> <li>■ Vector CANoe/CANalyzer</li> <li>■ Vector CANape</li> </ul>
Supported hardware platforms	<ul style="list-style-type: none"> <li>■ dSPACE Real-Time Interface CAN Multi-Message Blockset</li> <li>■ IXXAT CCM</li> <li>■ MicroNova LabVIEW/Simulation Interface Toolkit</li> <li>■ Vector CANcardXL</li> </ul>



Operating system	See 'DTS Base System' Data Sheet
Hardware requirements	Processor clock > 2000 MHz, depending on the test tools used RAM: >= 2GByte for Windows 7 Screen resolution: Test case creation and analysis >= 1280x1024 (SXGA) Test execution >= 1024x768 (XGA)

## Order Numbers

TestCASE	Complete package consisting of configuration, script editor, test execution runtime and protocol generator
TestCASE-Offline	Consisting of configuration and script editor for independent test case creation

## Supplementary Products and Services

DTS7L-MAINT	Support and maintenance agreement for full product support by telephone and e-mail incl. minor SW updates
UDS TEST BENCH	Test cases for the validation of the UDS diagnostics implementation of ECUs
DTS-TS-ST/SW/KT/KW	Daily or weekly application support at SOFTING in Haar or on site
Further services	Resident engineering on site