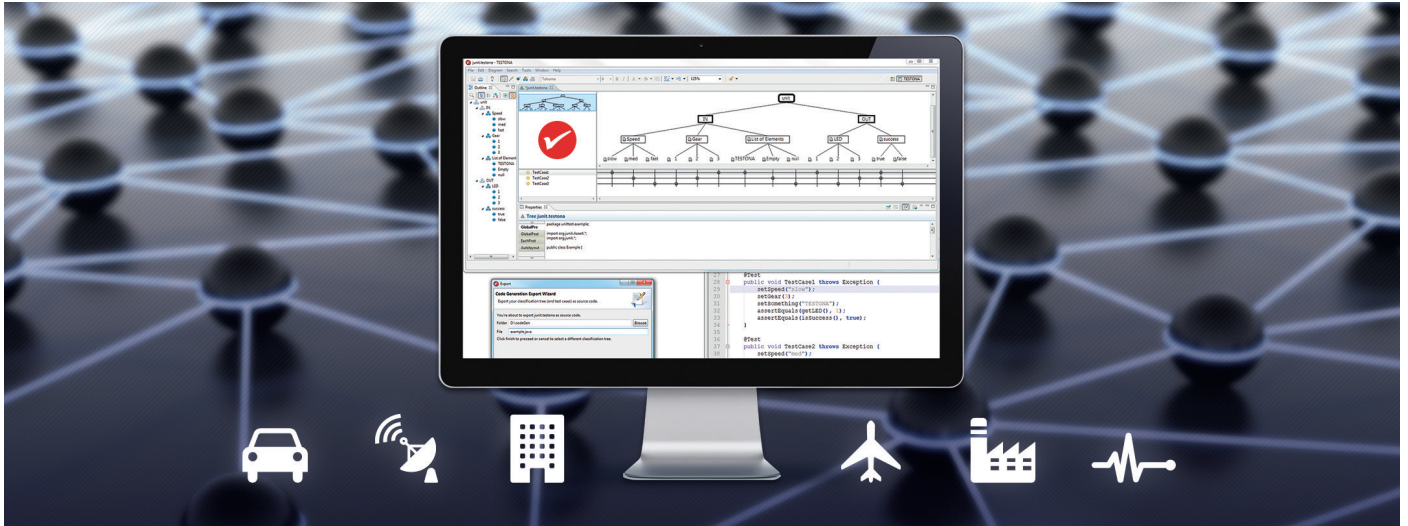


TESTONA
SYSTEMATIC TEST DESIGN



SYSTEMATIC

- Clear, understandable and complete test specification
- Measurable assessment of the test coverage
- Support for all major specification-based test methods, e.g. according to ISO 29119, ISO 26262
- Tool coupling for requirements tracing

EFFICIENT

- Cost reduction through automated test generation and redundancy-free testing
- Universally applicable – independent of industry, domain or test phase
- Easy tool coupling and open interfaces
- Easy to learn

APPLICATION AREA

TESTONA is the most popular tool for systematic test design in black-box-tests. All standard specification-based test methods are supported and represented in classification trees, e.g. equivalence class test, boundary value test, combinatorial test, classification tree method and statistical test. It enables the user to generate complete and comprehensible test specifications easily, and avoids redundant test cases.

Functions such as the automatic test generation, comprehensive requirements tracing or numerous interfaces with development and test tools make TESTONA one of the leading products for professional test organizations. Various metrics and evaluations enable the user to assess the test scope and to detect missing or redundant tests. TESTONA can be used flexibly in all test phases and is independent of industry or domain. Customers from different sectors, e.g. automotive and aviation, finance, telecommunications, and IT rely on this methodology.

International test standards such as the ISTQB Certified Tester and ISO 29119, as well as leading test trainers recommend the test methods available in TESTONA.

BENEFITS OF TESTONA

SYSTEMATIC TEST GENERATION

TESTONA automatically generates test cases according to several test methods with the desired test intensity, e.g. minimal coverage, pairwise. The activation of freely definable rules ensures that only test cases conforming to specifications are generated; negative tests are generated by deactivation.

TEST ORACLE

TESTONA supports the use of different test oracles (non-automated, implicit, derived, specified) to determine the expected test results.

TEST EVALUATION

TESTONA allows a template-based export of executable test scripts to target formats such as Shell, XML, Text, JUnit, SQL and avoids thereby the manual test implementation.

REQUIREMENTS TRACING

TESTONA allows the linking of requirements with classification tree elements, test cases and test results. Changes in the specification are automatically recognized – affected elements and test cases are highlighted and collected in a checklist. In addition, a graphical visualisation of the requirements coverage facilitates the verification.

TOOL CHAINS

Numerous import and export interfaces allow the use with AUTOSAR, Matlab / Simulink, IBM Rational DOORS, HP ALM, Atlassian Jira, Trello, Redmine, and others.

FOUR TESTONA EDITIONS

EXPRESS

The entry in systematic test design

PROFESSIONAL

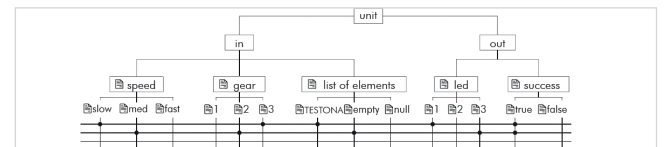
Powerful version for professional testing with optional extensions

ENTERPRISE

Full version with all extensions

LIGHT

Free version for non-commercial use with reduced functionality



Further information:

www.assystem-germany.com/en/products



Assystem Germany GmbH

Assystem Germany is a leading partner for engineering and product development in the fields of automotive, aerospace, transportation and industry.

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