

## TestCast – your Test Automation Platform

**TestCast** is Test Automation Platform based on standardized testing language **TTCN-3**. You can develop, execute and analyze tests regardless of your implementation domain, operating system or technology used.

**TestCast** is ideal for incremental development. Testing of a single element can be achieved without an entire working system. Users can test specific systems and features separately as well the entire system as whole. **TestCast** is also capable of testing individual hardware or software element embedded in a larger system.

### TestCast editions



**TestCast MBT** is model based testing solution. System behavior is modeled as Input/output Transition System, a structural test coverage criterion is defined, abstract test cases are designed and generated, and tests are rendered into executable test scripts.



**TestCast Professional** is full featured TTCN-3 tool for developing, compiling and executing TTCN-3 scripts.



**TestCast Runtime** is low cost test environment for executing TTCN-3 scripts precompiled with **TestCast Professional** edition

### Comparison of editions

|                           | TestCast <sup>✓</sup><br>MBT edition | TestCast <sup>✓</sup><br>professional edition | TestCast <sup>✓</sup><br>runtime edition |
|---------------------------|--------------------------------------|---|--|
| Automated test execution  | X                                    | X   | X  |
| Graphical/textual log     | X                                    | X   | X  |
| Test Suite viewer         | X                                    | X   | X  |
| TTCN-3 editor             | X                                    | X   |  |
| TTCN-3 compiler           | X                                    | X   |  |
| TTCN-3 debugger           | X                                    | X   |  |
| System Model Editor       | X                                    |   |  |
| Model Based Test Design   | X                                    |   |  |
| Automated Test Generation | X                                    |   |  |
| Requirements management   | X                                    |   |  |

# Features

- TTCN-3 editor, compiler, debugger, execution
- TTCN-3 test suite viewer
- Supports TTCN-3:2003 ... TTCN-3:2017
- Supports TTCN-3 extensions:
  - Configuration and Deployment Support
  - Behaviour Types
  - Support of interfaces with continuous signals
  - Extended TRI (xTRI)
  - Advanced Matching
- TRI and xTRI mapping for C, C++, C#, Java
- TCI mapping for C, C++, C#, Java
- XSD support
- Graphical IDE for managing test projects
- Command line option
- Test management features
- Graphical and textual view of logs
- Test logs playback feature
- System adapter source code factory for
  - Message based communication
  - Procedure based communication
- Built-in codecs:
  - ASN.1 PER and BER
  - Textual
  - XML, TCI XML
  - JSON
  - Binary
- Out of the box external codecs for:
  - 3GPP LTE UE Conformance test suite
  - SIP
  - IMS SIP
- Out of the box adapters for:
  - TCP
  - UDP
  - Selenium
  - RS232
  - HTTP
  - CoAP
- Runs on Windows and Linux (32 | 64 bit)
- Floating- and node-locked licenses

# Why to use TestCast as your TTCN-3 tool?

- Proven quality – TestCast is in use by many industry leading companies in different domains
- Easy-to-learn user-friendly intuitive test tool
- TestCast helps to increase testing productivity and test coverage providing shorter time to market
- TestCast includes rich set of built in and out of the box adapters and codecs
- TestCast is adapted to many public TTCN-3 test suites and interfaces – SIP, LTE UE, IMS, ITS, NGS19/10 etc.
- Elvior provides excellent technical support

