

TestCast – your TTCN-3 tool

TestCast is a full featured **TTCN-3** tool. You can develop, execute and analyze tests regardless of your implementation domain, operating system or technology used.

TestCast editions



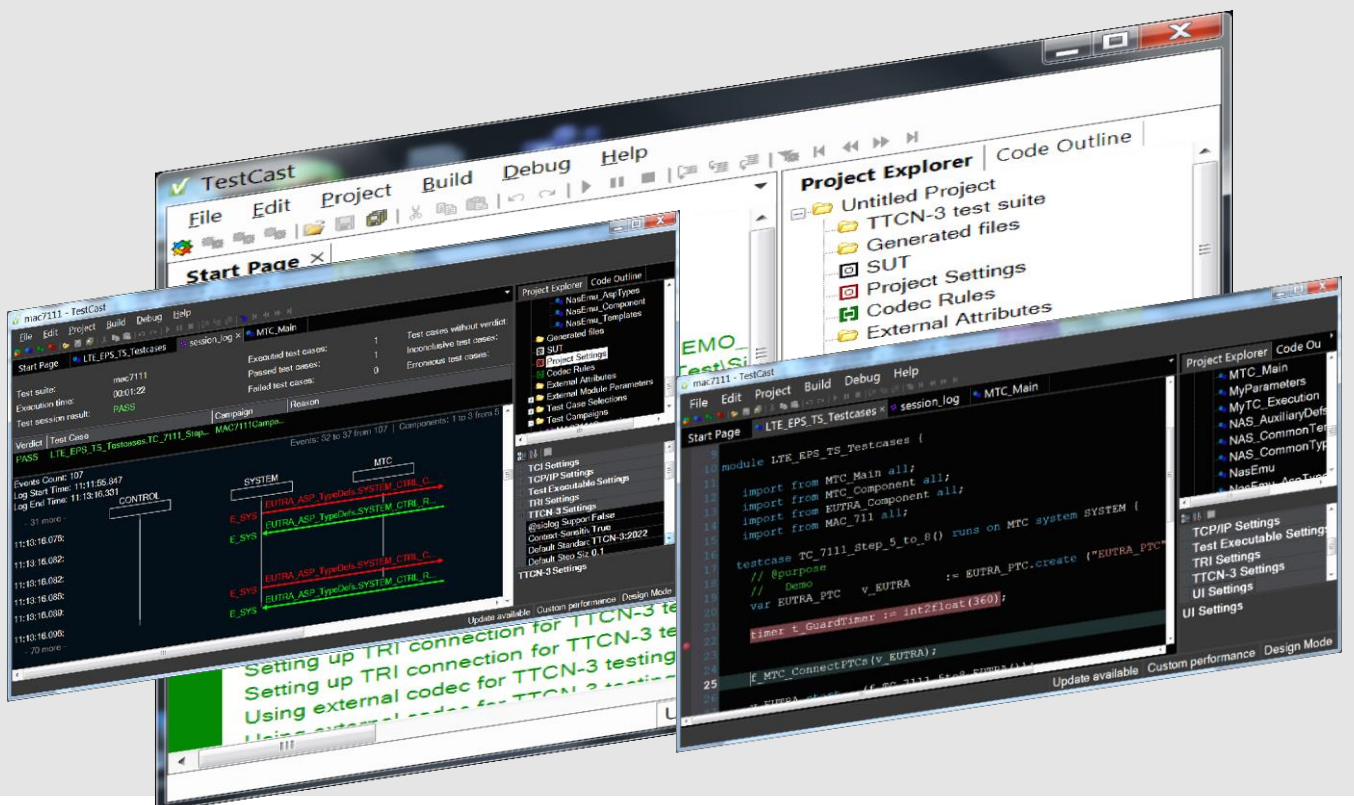
TestCast Professional is full featured TTCN-3 tool for developing, compiling and executing TTCN-3 scripts.



TestCast for 3GPP is full featured TTCN-3 tool and it includes required codecs for 3GPP TTCN-3 ATS support.



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



General Features

- TTCN-3 editor, compiler, debugger, execution
- TTCN-3 test suite viewer
- Supports TTCN-3:2003 ... TTCN-3:2023
- 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
- Built-in codecs:
 - ASN.1 PER and BER
 - Textual
 - XML, TCI XML
 - JSON
 - Binary
- Out of the box external codecs for:
 - SIP
 - IMS SIP
- Out of the box adapters for:
 - TCP
 - UDP
 - Selenium
 - RS232
 - HTTP
 - CoAP
- Runs on Windows (32 | 64 bit)
- Other platforms on request
- Floating- and node-locked licenses

Codecs for 3GPP edition

- 3GPP TTCN-3 ATS (5G, LTE, IMS) support
 - including required codecs and
 - external function implementation
- Codecs
 - ASN.1 Codec
 - SIP codec (RFC3261)
 - SDP codec (RFC4566)
 - XML codec
 - HTTP codec
 - ICMPv6 codec (RFC4861)
 - DNS codec (RFC1035)
 - DHCPv4 codec (RFC2131)
 - EAP Types codec (RFC4187)
- "DRB Types" codec:
 - MAC (36.321)
 - RLC (36.322)
 - PDCP(36.323)
- NR codec:
 - NR-MAC (38.321)
 - NR-RLC (38.322)
 - NR-PDCP(38.323)
- "NAS Types" codec:
 - NAS (24.301, 24.008, 44.018)
 - NG-NAS (24.501)
- "SMS Types" codec:
 - CP PDU (24.011)
- 36.523-3/38.523-3 8.2 external function requirements