

# G3-Alliance Conformance and Performance Tester

G3-PLC and G3-Hybrid devices protocol automated testing

## Product overview

The G3-Alliance Conformance and Performance Tester is the official G3-Alliance test tool used by accredited labs for the conformance and performance tests of G3 certification. With this tool, you are able to execute the complete conformance and performance test suite to check the conformance and performance of G3-PLC and G3-Hybrid devices with respect to G3 specification. You may also create your own test scenarios in order to extend the test coverage. Test scenarios can be grouped, to perform fully automated test campaigns.

Support of G3-Hybrid feature is optional.

## Features

### ■ Get prepared to G3 certification

The G3-Alliance Conformance and Performance Tester comes with a Conformance and Performance Test Suite that is exactly the same as the one performed by the accredited labs, allowing to prepare for certification and debug issues in your own lab.

### ■ Set G3-Alliance PICS and PIXIT

Edit the PICS and PIXIT of the tested device to allow proper testing of your device depending on its configuration and the supported features.

### ■ Run G3-Alliance Conformance Test Suites

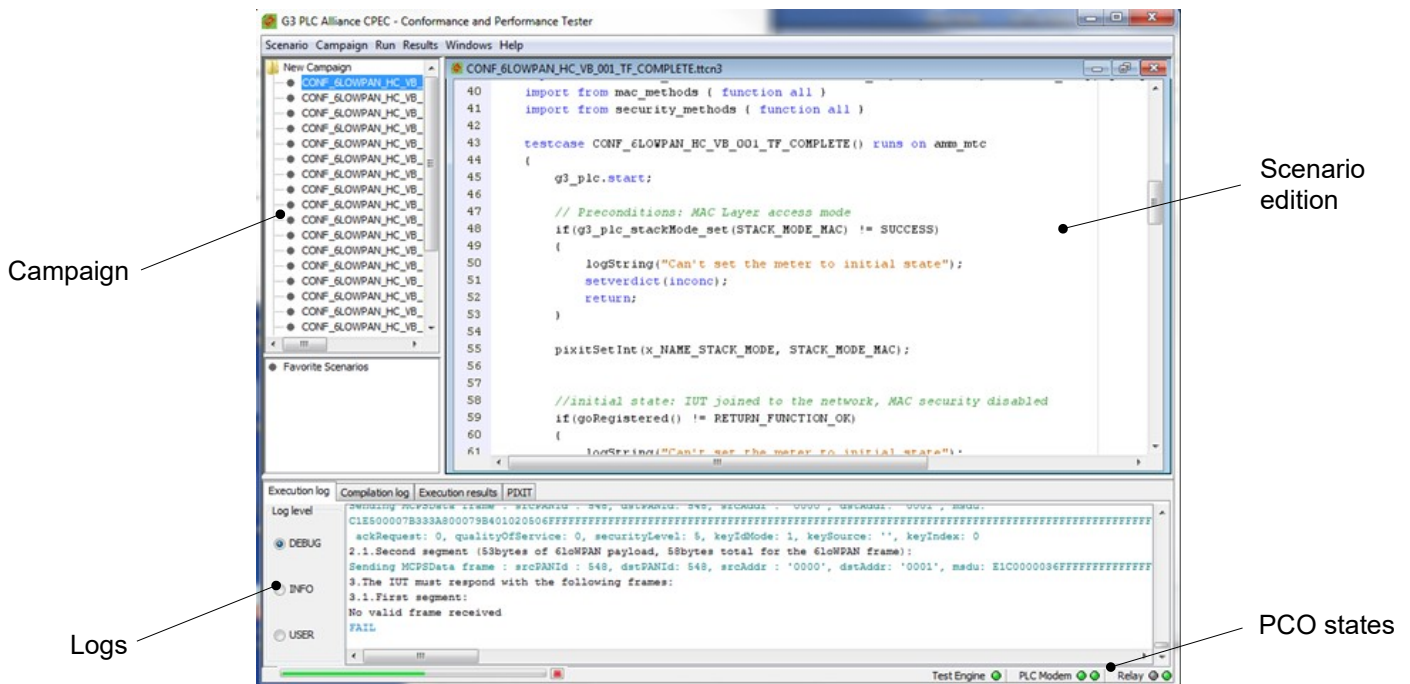
Execute the included test suite that allows to check the conformance of your G3-PLC or G3-Hybrid device with respect to G3 specification. In option, execute the test suite allowing to verify the conformance of the G3-Hybrid feature.

### ■ Run G3-Alliance Performance Test Suites

Execute the included test suite that allows to check the performance of your G3-PLC or G3-Hybrid device. Note that the equipment required to perform the performance tests are not included. In option, execute the test suite allowing to verify the performance of the G3-Hybrid part.

### ■ Export logs and results

Logs and results can be exported as a PDF report, with attached detailed execution logs.



### ■ Detailed user's guide and user's manual

The G3-Alliance Conformance and Performance Tester is provided with a detailed user's guide and user's manual for proper use of the tool.

### ■ Included PCOs

The G3-Alliance Conformance and Performance Tester is delivered with two Points of Control and Operation: G3-PLC (to send and receive G3-PLC frames) and Relay (to switch off / switch on the DUT). In option, a G3-RF PCO may be included

- **Create and edit additional TTCN-3 scenarios**

Create and edit additional test scenarios written in TTCN-3, an ETSI standardized programming language dedicated to test coding. TTCN-3 language specifications are also included.

(to send and receive G3-RF frames).

- **Manage scenarios and campaigns**

Group test scenarios into test campaigns, to execute several test scenarios as a batch.

## About us

With a leading position on the worldwide Power Line Communication market, TRIALOG provides a high degree of expertise and a complete laboratory tools suite to carry its customers to efficient solutions.