G3-PLC Tester

G3-PLC devices protocol and functional automated testing

TRIALOG

Founding Member of **G3-PLC Alliance**

Product overview

The G3-PLC Tester is an automated test tool provided by TRIALOG for the validation of your G3 PLC devices. With the G3-PLC Tester you are able to write and execute TTCN-3 test scenarios to get automatic checking of the behaviour and conformance of G3-PLC devices. Test scenarios may send valid or invalid G3-PLC frames to the device under test and check the relevant reception of expected G3-PLC frames from the device. The G3-PLC Tester allows to manage the G3-PLC frames at any level of the stack from low-MAC to applicative layer. Test scenarios can be grouped, to perform fully automated test campaigns.

Features

The G3-PLC Tester provides you with the ability to create, edit, manage and execute TTCN-3 scenarios to perform G3-PLC automated device testing:
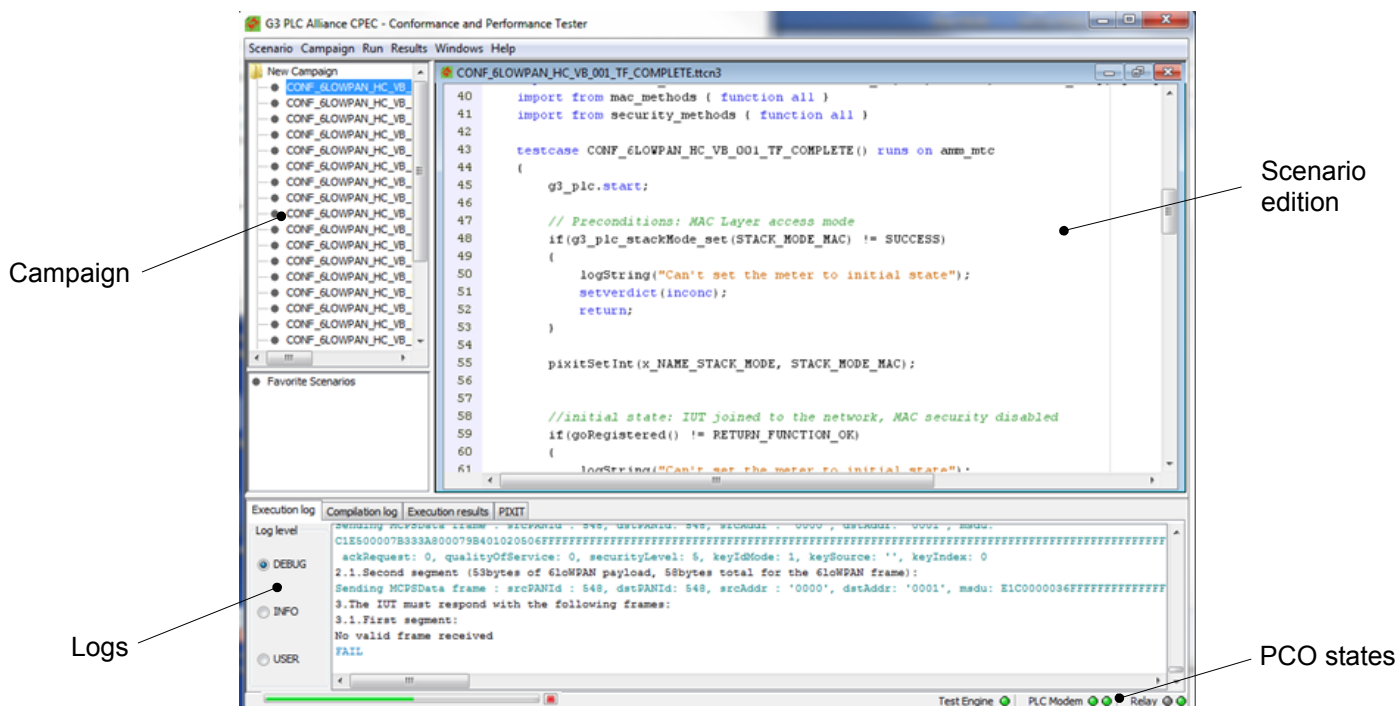
■ **Create and edit TTCN-3 scenarios**

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

■ **Manage scenarios and campaigns**

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

■ **Compile and execute**

Compile and execute test scenarios and test campaigns. Compilation and execution logs are available in real-time.

■ **Export logs and results**

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

■ **Included PCOs**

The G3-PLC 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 device under test).

■ **Detailed user's manual**

The G3-PLC Tester is provided with a detailed user's manual for proper use of the tool, and TTCN-3 language specification to allow implementation of TTCN-3 scenarios.

■ **Additional PCOs**

Additional PCOs may be available on demand.

Contact us

For further information about this tool, please contact: olivier.genest@trialog.com