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EPTF CLL GUIViewer, User Guide

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# Introduction

## Revision history

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| --- | --- | --- | --- |
| Date | Rev | Characteristics | Prepared |
| 2012-05-25 | PA1 | First draft version | <EMIHMIK> |

## About this Document

### How to Read this Document

This is the User Guide for the GUIViewer of the Ericsson Performance Test Framework (TitanSim), Core Load Library (CLL). TitanSim CLL is developed for the TTCN-3 ‎[1] Toolset with TITAN ‎[2]. This document should be read together with the Function Description of the GUIViewer feature ‎[6]. For more information on the TitanSim CLL please consult the Product Revision Information ‎[3], the Users Guide ‎[4] and the Function Specification ‎[5] of the TitanSim. Additionally, to understand the functionality of this feature, read the documentation of the UIHandler ‎[7] feature.

### References

1. ETSI ES 201 873-1 v3.2.1 (2007-02)  
   The Testing and Test Control Notation version 3. Part 1: Core Language
2. 1/198 17-CRL 113 200 Uen  
   User Guide for the TITAN TTCN-3 Test Executor
3. 109 21-CNL 113 512-2 Uen   
   TitanSim CLL for TTCN-3 toolset with TITAN, Product Revision Information
4. 155 17-CNL 113 512 Uen   
   TitanSim CLL for TTCN-3 toolset with TITAN, Function Specification
5. 198 17-CNL 113 512 Uen  
   TitanSim CLL for TTCN-3 toolset with TITAN, User Guide
6. TitanSim CLL for TTCN-3 toolset with TITAN, Reference Guide  
   <http://ttcn.ericsson.se/products/libraries.shtml>
7. 2/198 17-CNL 113 512 Uen  
   EPTF CLL UIHandler User Guide

### Abbreviations

CLL Core Load Library

EPTF Ericsson Load Test Framework, formerly TITAN Load Test Framework

TitanSim Ericsson Load Test Framework, formerly TITAN Load Test Framework

TTCN-3 Testing and Test Control Notation version 3 ‎[1]

GUI Graphical User Interface

### Terminology

*TitanSim Core (Load) Library(CLL)* is that part of the TitanSim software that is totally project independent. (I.e., which is not protocol-, or application-dependent). The TitanSim CLL is to be supplied and supported by the TCC organization. Any TitanSim CLL development is to be funded centrally by Ericsson

## System Requirements

In order to use the GUIViewer feature the system requirements listed in TitanSim CLL User Guide ‎[5] should be fulfilled.

# GUIViewer

## Overview

The EPTF CLL GUIViewer component is a component providing a solution to see the custom GUI xml layout witout the knowledge of dataelements. The displayed data comes a presaved database file. If this file didn’t contains it, random data will be generated for displaying the GUI.

## Description of files in this feature

The EPTF CLL GUIViewer includes the following files:

* GUIViewer
  + EPTF\_CLL\_GUIViewer\_Functions.ttcn: This TTCN-3 module contains the GUIViewer behaviour function.
  + EPTF\_CLL\_GUIViewer.db: This database contains the presaved dataelements, what can be used for displaying the GUI layout.
  + EPTF\_CLL\_GUIViewer.xml: This Custom GUI XML layout can be displayed by GUIViewer.

## Description of required files from other features

The GUIViewer feature is part of the TitanSim EPTF Core Load Library (CLL). It relies on several features of the CLL. The user has to obtain the products/files to be found under the respective feature names:

* Base
* UIHandler

## Installation

Since EPTF CLL GUIViewer is used as a part of the TTCN-3 test environment this requires TTCN-3 Test Executor to be installed before any operation of these functions. For more details on the installation of TTCN-3 Test Executor see the relevant section of ‎[2].

If not otherwise noted in the respective sections, the following are needed to use EPTF\_CLL\_GUIViewer:

* Copy the files listed in section [‎2.2, ‎2.3] to the directory of the test suite or create symbolic links to them.
* Import the GUIViewer demo or write your own application using GUIViewer.
* Create Makefile or modify the existing one. For more details see the relevant section of ‎[2].
* Edit the config file according to your needs, see following section [‎2.5].

## Configuration

The executable test program behaviour is determined via the run-time configuration file. This is a simple text file, which contains various sections. The usual suffix of configuration files is .cfg. For further information on the configuration file see ‎[2].

The GUIViewer feature defines TTCN-3 module parameters as defined in ‎[2] clause 4. Actual values of these parameters – when there is no default value or a different from the default actual value to be used – shall be given in the [MODULE\_PARAMETERS] section of the configuration file.

The GUIViewer feature defines the following module parameters:

**tsp\_EPTF\_GUIViewer\_DBFileName :=** **"EPTF\_CLL\_GUIViewer.db"**

Specifies the database file, what will be used as source of dataelements.

**tsp\_EPTF\_GUIViewer\_guiXMLFileName := "EPTF\_CLL\_GUIViewer.xml"**

Specifies the XML file to display its layout.

# Examples

The “demo” directory of the deliverable contains the following examples:

* GUIViewer\_Demo.cfg

## Configuration file

The used configuration file (GUIViewer\_Demo.cfg) is for the GUIViewer example is placed in the demo directory.

## Demo Module

The demo module illustrates a typical usage of the GUIViewer feature. It is placed in the demo directory of the released feature.