Common Protocol module elements for TTCN-3 Toolset with TITAN

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Functionality

The COMMON Protocol module elements contains definitions in a formalized way, using the standard specification language TTCN-3. This allows to use these definitions in testports, protocol modules, libraries and applications.

The protocol module uses Titan's RAW encoding attributes [3] and hence is usable with the Titan test toolset only.

Implemented Protocols

None.

Modified and Non-Implemented Protocol Elements

None.

Ericsson-Specific Changes

None.

Backward Incompatibilities

None.

System Requirements

Protocol modules are a set of TTCN-3 source code files that can be used as part of TTCN-3 test suites only. Hence, protocol modules alone do not put specific requirements on the system used. However, in order to compile and execute a TTCN-3 test suite using the set of protocol modules the following system requirements must be satisfied:

• Titan TTCN-3 Test Executor version CRL 113 200 R7A (1.7.pl0) or higher installed. For Installation Guide see [2].

NOTE

This version of the test port is not compatible with Titan releases earlier than CRL 113 200 R7A.

Usage

Installation

The set of protocol modules can be used in developing TTCN-3 test suites using any text editor; however, to make the work more efficient a TTCN3enabled text editor is recommended (for example nedit, xemacs). Since the GTPv2 PrivateExtensions protocol is used as a part of a TTCN-3 test suite, this requires TTCN-3 Test Executor be installed before the module can be compiled and executed together with other parts of the test suite. For more details on the installation of TTCN-3 Test Executor see the relevant section of [2].

Configuration

None.

Examples

None.

Interface description

None.

Change information

R7A

record of and set of type definitions have been added to the General_Types module in order to give type compatibility within TTCN-3 source codes.

Terminology

None.

Abbreviations

TTCN-3

Testing and Test Control Notation version 3

References

[1] ETSI ES 201 873-1 v4.5.1 (2013-04) The Testing and Test Control Notation version 3. Part 1: Core Language

- [2] User Guide for TITAN TTCN-3 Test Executor
- [3] Programmer's Technical Reference for Titan TTCN-3 Test Executor