

STDINOUT Test Port for TTCN-3 Toolset with TITAN, Function Specification

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How to Read this Document

This is the Function Specification for the STDINOUT Test Port. The STDINOUT Test Port is developed for the TTCN-3 Toolset with TITAN [\[2\]](#) according to the Requirement Specification [\[3\]](#) .

Scope

The purpose of this document is to specify the functionality of the STDINOUT Test Port.

General

The STDINOUT Test Port provides a simple interface between the TTCN-3 test suite and operator.

The operator can enter text in a terminal (stdin) and the test port transmits this text as a charstring to the TTCN-3 test suite.

The TTCN-3 test suite can send a charstring and the test port outputs this to the terminal (stdout).

Function Specification

The STDINOUT Test Port has no ASPs. The Test Port can be used for sending and receiving TTCN-3 charstrings. The TTCN-3 **send** command followed by the necessary charstring in the TTCN-3 code will cause the text to be displayed at stdout (i.e.the terminal).The operator entered text at stdin (i.e. the terminal) is converted to TTCN-3 charstring by the test port when pressing "Enter". The **receive** command in the TTCN-3 code has to be used for the TTCN-3 test suite to receive this charstring.

Terminology

None.

Abbreviations

ASP

Abstract Service Primitive

MTC

Main Test Component:

SUT

System Under Test

TP

Test Port

TTCN-3

Testing and Test Control Notation version 3

References

[1] ETSI ES 201 873-1 v3.2.1(02/2007)The
Testing and Test Control Notation version 3. Part 1: Core Language

[2] User Guide for TITAN TTCN-3 Test Executor

[3] 10/0363-FCP 101 4664-CR5
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