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

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# Introduction

## Revision history

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| --- | --- | --- | --- |
| Date | Rev | Characteristics | Prepared |
| 2009-04-20 | PA1 | Initial version | ETHEKR |

## 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 [3] according to the Requirement Specification [4] .

## Scope

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

## 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. 109 21-CNL 113 642-1 Uen  
   STDINOUT Test Port for TTCN-3 Toolset with TITAN, Product Revision Information
3. 1/198 17-CRL 113 200 Uen  
   User Guide for TITAN TTCN-3 Test Executor
4. 10/0363-FCP 101 4664-CR5  
   ASUA Daemon Performance Upgrade and   
   Small Improvements and Updates Rev A

## 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

## Terminology None.

# 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.