

Prepared (also subject responsible if other) ETH/RZX Endre Kulcsar +36 1 437 7469		No. 155 17-CNL 113 642 Uen		
Approved ETH/RZXC (Elemér Lelik)	Checked	Date 2009-04-20	Rev A	Reference GASK2

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

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1 Introduction

1.1 Revision history

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

1.2 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] .

1.3 Scope

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

1.4 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

1.5 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

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1.6 Terminology

None.

2 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).

3 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.