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# Introduction

## Document overview

This document is the software test report of the xxx testing phase of the XXX software development project. It contains the results of tests, which were executed during the testing phase xxx.

## Abbreviations and Glossary

### Abbreviations

Add here abbreviations

### Glossary

Add here words definitions

## References

### Project References

| # | Document Identifier | Document Title |
| --- | --- | --- |
| [R1] | ID | Add your documents references.  One line per document |

### Standard and regulatory References

|  |  |  |
| --- | --- | --- |
| # | Document Identifier | Document Title |
| [STD1] |  | Add your documents references.  One line per document |

## Conventions

Add here conventions

# Overview of Tests Results

## Tests log

Give a few information about tests.

The XXX software (version x.y.z) was tested on the xxx test platform located in xxx, from the yyyy/mm/dd to the yyyy/mm/dd. The tests of the test phase (ref. software test plan) where executed.

Testers where:

* John Doe,
* Marc Smith

## Rationale for decision

After executing a test, the decision is defined according to the following rules:

* **OK:** The test sheet is set to "OK" state when all steps are in "OK" state. The real result is compliant to the expected result.
* **NOK:** The test sheet is set to "NOK" state when all steps of the test are set to "NOK" state or when the result of a step differs from the expected result.
* **Partial OK:** The test sheet is set to "Partial OK" state when at least one step of the test is set to "NOK" state or when the result of a step is partially compliant to the expected result. 🡪 Keep it or remove. Source of inconsistencies: criteria to set if result is Partial OK may be qualitative
* **NOT RUN:** Default state of a test sheet not yet executed.
* **NOT COMPLETED:** The test sheet is set to "Not Completed" state when at least one step of the test is set "Not Run" state.

Tests results are listed in §3.

## Overall assessment of tests

Give a qualitative overall assessment of tests.

Example:

* All tests with interfaces passed, graphical user interface is not optimized for screens of the test platform
* All tests passed but software is too low for acceptable use
* …

Give quantitative results.

Statistics about tests:

* % of tests OK,
* % of tests NOK
* % of tests POK
* % of tests NR
* % of tests NC

Give also statistics about bugs and enhancements:

* Total number
* Number of Critical
* Number of Major
* Number of minor
* Number of enhancements

## Impact of test environment

Describe the impact of test environment, if any.

Mainly, difference between expected conditions and real conditions, like software test tool, a simulator or hardware, which doesn’t work.

# Detailed Tests Results

For each executed test, this document contains:

* Test identification;
* Test title;
* Test decision;
* A comment containing additional information or problems encountered during execution and differences with the test procedure.

For the problems leading to a bug, the bug ID is reported in the result of the step where problem was encountered.

## Sub section name

Copy the sections names and the tests from the software test description document.

Add a fourth column to tables to write tests results

For each NOK in a step, at least one bug shall be created (or referenced if already exists).

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Same ID as in test desc.** | **Comment** | **Decision** |
| Test description | Same as in test description. |  | OK, NOK, … |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | Same as in test desc. | Same as in test desc. |  |
| Tests inputs | Same as in test desc. | Same as in test desc. |  |
| Data collection actions | Same as in test desc. | Same as in test desc. |  |
| Tests outputs | Same as in test desc. | Same as in test desc. |  |
| Assumptions and constraints | Same as in test desc. | Same as in test desc. |  |
| Expected results and criteria | Same as in test desc. | Same as in test desc. |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Start foo | Foo is started | OK, NOK … |

Examples of tests decisions, results and comments.

OK

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Same ID as in test desc.** | **Comment** | **Decision** |
| Test description | Same as in test description. |  | OK |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | Same as in test desc. | Same as in test desc. |  |
| Tests inputs | Same as in test desc. | Same as in test desc. |  |
| Data collection actions | Same as in test desc. | Same as in test desc. |  |
| Tests outputs | Same as in test desc. | Same as in test desc. |  |
| Assumptions and constraints | If any, may be limited access to a tool, license … |  |  |
| Expected results and criteria | FOO AND BAR ARE STARTED, CONNECTION IS ESTABLISHED |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Start foo | Foo is started | OK |
| 2 | Start bar | Bar is started | OK |
| 3 | Establish connection | Foo-Bar connection established | OK |

NOK

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Same ID as in test desc.** |  | **Decision** |
| Test description | Same as in test description. |  | NOK |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | Same as in test desc. | Same as in test desc. |  |
| Tests inputs | Same as in test desc. | Same as in test desc. |  |
| Data collection actions | Same as in test desc. | Same as in test desc. |  |
| Tests outputs | Same as in test desc. | Same as in test desc. |  |
| Assumptions and constraints | If any, may be limited access to a tool, license … |  |  |
| Expected results and criteria | FOO AND BAR ARE STARTED, CONNECTION IS ESTABLISHED |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Start foo | Foo is started | OK |
| 2 | Start bar | Bar is started | OK |
| 3 | Establish connection | Foo-Bar connection established | NOK, bug #234 |

Partial OK

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Same ID as in test desc.** | **Comment** | **Decision** |
| Test description | Same as in test description. | Connection loss after 1 min is acceptable for this test phase. | Partial OK |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | Same as in test desc. | Same as in test desc. |  |
| Tests inputs | Same as in test desc. | Same as in test desc. |  |
| Data collection actions | Same as in test desc. | Same as in test desc. |  |
| Tests outputs | Same as in test desc. | Same as in test desc. |  |
| Assumptions and constraints | If any, may be limited access to a tool, license … |  |  |
| Expected results and criteria | CONNECTION IS ESTABLISHED |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Start foo | Foo is started | OK |
| 2 | Start bar | Bar is started | OK |
| 3 | Establish connection | Foo-Bar connection established | OK, but connection lost after 1 min. Bug #123 |

NOT RUN 🡪 this is the default state.

Note: it’s not necessary to write “not run” everywhere, when creating the document. Not Run shall be used to mark tests not run at the end of a testing phase..

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Same ID as in test desc.** | **Comment** | **Decision** |
| Test description | Same as in test description. |  | NOT RUN |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | Same as in test desc. | Same as in test desc. |  |
| Tests inputs | Same as in test desc. | Same as in test desc. |  |
| Data collection actions | Same as in test desc. | Same as in test desc. |  |
| Tests outputs | Same as in test desc. | Same as in test desc. |  |
| Assumptions and constraints | If any, may be limited access to a tool, license … |  |  |
| Expected results and criteria | CONNECTION IS ESTABLISHED |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Start foo | Foo is started | NOT RUN |
| 2 | Start bar | Bar is started | NOT RUN |
| 3 | Establish connection | Foo-Bar connection established | NOT RUN |

NOT COMPLETED

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Same ID as in test desc.** | **Comment** | **Decision** |
| Test description | Same as in test description. | Unable to establish connection, network cable missing. | NOT COMPLETED |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | Same as in test desc. | Same as in test desc. |  |
| Tests inputs | Same as in test desc. | Same as in test desc. |  |
| Data collection actions | Same as in test desc. | Same as in test desc. |  |
| Tests outputs | Same as in test desc. | Same as in test desc. |  |
| Assumptions and constraints | If any, may be limited access to a tool, license … |  |  |
| Expected results and criteria | CONNECTION IS ESTABLISHED |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Start foo | Foo is started | OK |
| 2 | Start bar | Bar is started | OK |
| 3 | Establish connection | Foo-Bar connection established | NOT RUN |