



**Software
Test Report
of Paperless GMP**

PROTOCOL NO.

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**Software Test
Report of
Paperless GMP**

TITLE :	
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1 Introduction

1.1 Document overview

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

1.2 Abbreviations and Glossary

1.2.1 Abbreviations

Add here abbreviations

1.2.2 Glossary

Add here words definitions

1.3 References

1.3.1 Project References


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

1.3.2 Standard and regulatory References

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

1.4 Conventions

Add here conventions

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2 Overview of Tests Results

2.1 Tests log

Give a few information about tests.

The Paperless GMP 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) were executed.

Testers where:

- ABC
- XYZ

2.2 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.

2.3 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

2.4 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.

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3 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.

3.1 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	FOO AND BAR ARE STARTED, CONNECTION		

criteria	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	SRS-REQ-001	Same as in test desc.	

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Requirement			
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