SW Integration Test Report

Customer

Project

**Revision History**

| **Version** | **Date** | **Change Description / Reason** | **Author** |
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**Table of Contents**

1. Objective of this Test Report 4

1.1 Definitions, glossary, abbreviations 4

1.2 Notation within this document **오류! 책갈피가 정의되어 있지 않습니다.**

2. Scope and references 5

3. Overview of integration results 6

4. Overview of test results 7

5. Detailed test results 8

6. Assessment 9

6.1 Rationale for decisions 9

6.2 Conclusions and recommendations 9

# Objective of this Test Report

This Test Report documents and assesses the results on this Test Level for the <project name> project.

## Definitions, glossary, abbreviations

If applicable own project-specific abbreviations and definitions.

# Scope and references

This chapter determines the scope of the test cycle including the references to the data base for this test report. This includes references to the test basis, the test object, and the test results.

Supply references to the following documents if they exist: Master Test Plan, Level Test Plan, Level Test Specification, Level Test Logs/Results, and Anomaly Reports including the document revision at test execution date.

|  |  |  |
| --- | --- | --- |
| **Test plan** | Master Test Plan | <Master Test Plan ID (from ConfigMan)>, <Revision (from ConfigMan)> |
| Level Test Plan | <Level Test Plan ID (from ConfigMan)>, <Revision (from ConfigMan)> |
| **Test specification**  (and test basis, if used for test execution directly; e.g. for explorative testing) |  |  |
|  |  |
|  |  |
|  |  |
| **Test object** | HW-Version |  |
| Final SW-Version |  |
| Involved SW-Versions |  |
|  |  |
| **Test execution** | Execution period / date |  |
| Scope of test cycle | <Complete test, regression test, re-test, selected tests>, <All (tests defined in the test specification) | test IDs> |
| Tester | List or reference where documented |
| Test environment | List or reference where documented |
|  |  |
| **Test results** (incl. integration results for corresponding test levels) |  |  |
|  |  |
|  |  |
|  |  |

# Overview of integration results

The integration results achieved on this Test Level for the project are summarized in this section.

This chapter is only necessary for the software and for the system integration test level. Otherwise this chapter should be marked as n/a.

This overview shall contain the following content:

* Summarize the results of integration. Identify all resolved problems and summarize their resolutions (or reference where that information is available). Identify all unresolved issues.
* Summary of activities:  
  Summarize the major integration activities and events.
* Variances:  
  Report a conclusion of the variances of the integrated items from their specifications. Indicate any variances from the integration plan (e.g., not integrated parts). Specify the reason for each variance (or specified group(s) of variances), or reference where it is recorded.

# Overview of test results

The test results achieved on this Test Level for the project are summarized in this section.

This overview shall contain the following content:

* Summarize the results of testing. Identify all resolved anomalies and summarize their resolutions (or reference where that information is available). Identify all unresolved anomalies.
* Summary of activities:  
  Summarize the major testing activities and events. Summarize the relevant metrics collected.
* Variances:  
  Report a conclusion of the variances of the test items from their specifications. Indicate any variances from the test plan (e.g., test changes, tests not executed, or test abortion). Specify the reason for each variance (or specified group(s) of variances), or reference where it is recorded.
* Comprehensiveness:  
  Evaluate the comprehensiveness of the testing process (e.g., coverage metrics, if specified) against the comprehensiveness criteria specified in the corresponding Test Plan as well as the usage of methods defined in the definition of the breadth and depth of testing in the corresponding Test Plan.

(In this overview chapter only as a short summery or as a reference to the detailed test results – e.g. if variances has to be pointed out on detailed level and on summery level it is only important that variances exists.)

# Detailed test results

[for full report]

This chapter shall be sub-structured containing the following subchapters:

* Results for each focus areas of testing like features, categories, etc.
* Functional safety area, if the system is safety related.

Each subchapter shall contain the following content:

* Summary of results:  
  Summarize the results of testing. Identify all resolved anomalies and summarize their resolutions (or reference where that information is available). Identify all unresolved anomalies. If anomalies are deferred, explain (or reference) the process for handling deferrals.
* Summary of activities:  
  Summarize the major testing activities and events. Summarize the relevant metrics collected.
* Variances:  
  Report a conclusion of the variances of the test items from their specifications. Indicate any variances from the test plan (e.g., test changes, tests not executed, or test abortion). Specify the reason for each variance (or specified group(s) of variances), or reference where it is recorded.
* Comprehensiveness:  
  Evaluate the comprehensiveness of the testing process (e.g., coverage metrics, if specified) against the comprehensiveness criteria specified in the corresponding Test Plan as well as the usage of methods defined in the definition of the breadth and depth of testing in the corresponding Test Plan.

As an alternative, a link may be inserted here to a relevant test documentation of the test environment or a test tool. It needs to be ensured that all attributes shown in the table can be documented with the external document; otherwise the missing attributes need to be supplemented.

# Assessment



## Rationale for decisions

Specify the issues that were considered for any decisions and the reason(s) for the selection of the conclusion(s).

<…>

## Conclusions and recommendations

Specify an overall evaluation of each test item, including its limitations. This evaluation will be based on the test results and on the item level pass/fail criteria. An estimate of failure risk may be included. Recommend its status relative to availability for production use, and under what circumstances (e.g., immediately, with a specified subset of anomalies resolved, or never). This may include identification of anomaly clusters in functionality and/or anomaly root cause analysis.

<…>