

**PM@Automotive IT**

Test Plan

<*Project name*>

PM-No. <*xxx*>

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| --- | --- |
| Date: | <*dd.mm.yyyy*> |
| Name: | <*first name, surname, department*> |

Document status

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|  |  |  |

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# Introduction

## Scope of the Document

A "Test Plan" documents the strategy that will be used to verify and ensure that a service meets its Design Specification and Requirements Specification. It covers the testing during Development phase as well as during Piloting phase and Rollout phase and specifies what is to be done how and when and by whom. Furthermore test coverage (which requirements are verified when?) has to be defined.

## Service identification

|  |  |
| --- | --- |
| ***Name:*** | *>* |
| ***Short name:*** | *<Name>* |
| ***Version:*** | *<1.0>* |
| ***Identification Number:*** | *<0123>* |
| ***Description:*** | *<Description>* |

## References

|  |  |  |
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| **No.** | **Document Name** | **Link (if applicable)** |
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## Definitions and acronyms

All the terms necessary to properly interpret the “Test Plan”, including acronyms and abbreviations are provided below.

|  |  |  |
| --- | --- | --- |
| **No.** | **Acronym / Term** | **Description** |
|  |  |  |
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|  |  |  |

## Instructions for filling this template

* Replace all text in angle brackets (“<…>”) by your own text.
* If there are different test cases for the rollout in different sites, add additional subchapters for each site.
* Fill chapters 1 and 2 for ITG40. Fill chapters 3 to 5 for ITG50. Document is to be released for ITG50.

# Test Strategy

## Test Types

This testing in Development phase includes the following types of tests: <add other types / edit for your project>

* Functional / Feature test: Verification that the service meets its functional/feature requirements
* Load and performance test: Testing to confirm that performance objectives are satisfied
* Configuration and interoperability test: Testing to assure that all functions work under all combinations, on all required hardware platforms, with all necessary software versions, etc.
* Stress test: Testing which attempts to break the service by stressing all of its resources
* Recovery and error handling test: Testing to confirm that the service recovers from hardware and/or software malfunctions without losing data or control, or that it follows the error handling requirements defined for the service
* Usability test: Testing to assure the user interface is appropriate to the audience; that the service is maintainable, etc.
* Regression test: to be performed on an existing service, to verify that existing functionality didn't get broken when other aspects of the environment are changed
* Information Security test: Testing to assure the security of all managed data, etc.
* Etc.

## High Level Testing Timeline

<Modify following table according to your needs.>

|  |  |
| --- | --- |
| **Task** | **Data / Data range** |
| Test environment preparation |  |
| Test start |  |
| First test data and defect log review |  |
| Functional tests |  |
| Performance and stress tests |  |
| Regression tests |  |
| Etc. |  |

## Personnel / Resources involved

<Identify all personnel to be involved directly in the testing or in critical supporting roles. Define the responsibilities assigned to each.>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Who** | **Role** | **Responsibility** | **Contact** | **Backup Contact** |
|  |  |  |  |  |
|  |  |  |  |  |

## Equipment, Supplies, Facilities

<Identify all tools, facilities, test equipment required and who is expected to provide them.

## Problem Recording, Issue Management and Rework

<Define the mechanism to be used for problem recording and resolution, escalation of issues if necessary and recording of associated changes to the service. Define the process for rework, review and retest of any element which needs modification. This process must include sufficient retests to verify that any modifications have not impacted other functions already tested>

# Test Cases for Development Phase

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| # | Test Type | Description | Responsible | Date planned | Pass/Fail | Date passed |
| 1 | Master Data | Manual creation of Characteristic Combination | BU FS: Max Mustermann  BU BS: Max Mustermann2 | 10.07.2013 | yes | 11.07.2013 |
| 2 | Interactive Planning | Manual change of yearly volume | ….. | ….. | …. | …. |
| 3 | Background Processing |  |  |  |  |  |
| 4 | BW Reporting |  |  |  |  |  |
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# Test Cases for Piloting Phase

<Describe here the test cases for the piloting phase related to the different pilot users (a separate chapter for each user/user group>.

## Pilot User: <name of pilot user or department>:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| # | Test Type | Description | What to run, measure, record? | Pass Criteria | Date planned | Pass/Fail | Date passed |
| 1 | Information Security | Access to other users’ data | Click on a folder you don’t have rights for. | Access is denied | 20.4.11 | yes | 21.4.11 |
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## Pilot User: <name of pilot user or department>:

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| --- | --- | --- | --- | --- | --- | --- | --- |
| # | Test Type | Description | What to run, measure, record? | Pass Criteria | Date planned | Pass/Fail | Date passed |
| 1 | Information Security | Access to other users’ data | Click on a folder you don’t have rights for. | Access is denied | 20.4.11 | yes | 21.4.11 |
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# Test Cases for Rollout Phase

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| --- | --- | --- | --- | --- | --- | --- | --- |
| # | Test Type | Description | What to run, measure, record? | Pass Criteria | Date planned | Pass/Fail | Date passed |
| 1 | Feature | Interface between MSPE and MKS | Create the connection between MKS and MSPE. | MKS data can be accessed. | 20.4.11 | yes | 21.4.11 |
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<If there are different test cases for different rollout sites this has to be explained and defined here.>