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**Date**

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# Executive Summary

# Introduction

# Purpose

# Scope

This document consists of five (5) main sections described below:

* Test Architecture Design:
* Test Design Specification:
* Test Case Specification:
* Test Procedure:

# References

# Background Study

# Test Architecture Design

* 1. Test Architecture Framework
     1. Stakeholder
     2. Test Strategy
     3. Quality in Use
     4. Test Approach
     5. Product Quality Model
     6. Testing Type
     7. Testing Phases
     8. Test Object
     9. Test Deliverables
     10. Features
     11. Hardware and Embedded Software
     12. Input and Output
  2. Test Design and High Overview of the Product.

* + 1. Quality in Use
    2. Product Quality Model

# TEST DESIGN SPECIFICATION

* + 1. Test Design Techniques:
    2. Functional Testing (Functional Suitability)
    3. Hardware/Component Testing
    4. Non-functional Testing
    5. Function/Component 1

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** |  | | |
| **Objective** |  | | |
| **Priority** |  | | |
| **Test Design Techniques** |  | | |
| **Test Condition ID** | **Description** | **Priority** | **Traceability** |
|  |  |  |  |

# TEST CASE SPECIFICATION

The Test Case Specification identifies the test coverage items and the corresponding test cases derived from the test basis for one or more feature sets.

The common preconditions for the test cases are described in table below:

|  |  |
| --- | --- |
| **Precondition ID** | **Description** |
|  |  |

The following sub-section explains the test cases.

* + 1. Sub function 1

The test cases as below:

|  |  |
| --- | --- |
| **Test Coverage ID** |  |
| **Description** |  |
| **Priority** |  |
| **Traceability**  **(Test Condition ID)** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** |  | | |
| **Objective** |  | | |
| **Priority** |  | | |
| **Traceability**  **(Test Condition ID)** |  | | |
| **Preconditions** |  | | |
| **Input** | **Expected Result** | **Actual Result** | **Test Result (Pass/Fail)** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

A number of test cases defined by test techniques:

* + 1. Sub function 2

The test cases as below:

|  |  |
| --- | --- |
| **Test Coverage ID** |  |
| **Description** |  |
| **Priority** |  |
| **Traceability**  **(Test Condition ID)** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** |  | | |
| **Objective** |  | | |
| **Priority** |  | | |
| **Traceability**  **(Test Condition ID)** |  | | |
| **Preconditions** |  | | |
| **Input** | **Expected Result** | **Actual Result** | **Test Result (Pass/Fail)** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

A number of test cases defined by test techniques:

# TEST PROCEDURE

|  |  |
| --- | --- |
| **Scenario ID** | **Scenario** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

# Scenario 1

|  |  |
| --- | --- |
| **Item** | **Description** |
| Procedure ID |  |
| Scenario ID |  |
| Scenario |  |
| Objective |  |
| Test Coverage |  |
| Precondition |  |
| Risk ID | |
| **Procedure** | **Test Cases** |
|  |  |
|  |
|  |
|  |
|  |
|  |

# Scenario 2

|  |  |
| --- | --- |
| **Item** | **Description** |
| Procedure ID |  |
| Scenario ID |  |
| Scenario |  |
| Objective |  |
| Test Coverage |  |
| Precondition |  |
| Risk ID | |
| **Procedure** | **Test Cases** |
|  |  |
|  |
|  |