Software Test Description (STD)

Development Team

2024-06-26

# Software Test Description (STD)

## 1. Scope

### 1.1 Identification

**STD-001: Test Identification** - The test **shall** be identified by the following information: - **Test Name**: [Test Name] - **Test Identifier**: [TEST-001] - **Version**: 1.0 - **Classification**: [Unclassified/Classified Level]

### 1.2 Test Overview

**STD-002: Test Purpose** - The test **shall** verify [specified software requirements] - The test **shall** validate [specified system behaviors] - The test **shall** support acceptance criteria

## 2. Referenced Documents

**STD-003: Referenced Standards** - MIL-STD-498: Software Development and Documentation - [Other applicable standards]

## 3. Test Description

### 3.1 Test Environment

**STD-004: Test Environment** - The test **shall** be conducted in [specified environment] - The test **shall** use [specified hardware/software] - The test **shall** document environment configuration

### 3.2 Test Inputs

**STD-005: Test Inputs** - The test **shall** use the following inputs: - [Input 1] - [Input 2] - [Input 3]

### 3.3 Test Procedures

**STD-006: Test Steps** - The test **shall** follow these steps: 1. [Step 1] 2. [Step 2] 3. [Step 3]

### 3.4 Expected Results

**STD-007: Expected Results** - The test **shall** expect the following outcomes: - [Expected Result 1] - [Expected Result 2] - [Expected Result 3]

### 3.5 Pass/Fail Criteria

**STD-008: Pass/Fail Criteria** - The test **shall** be considered passed if [criteria] - The test **shall** be considered failed if [criteria]

## 4. Traceability

| Requirement ID | Parent Requirement | Child Requirements | Status |
| --- | --- | --- | --- |
| STD-001 | - | STD-002, STD-003 | Approved |
| STD-004 | STD-002 | STD-005, STD-006 | In Progress |

## 5. Notes

* **STD**: Software Test Description
* **Test Case**: A set of conditions for testing