Software Test Document

GH-1000-STD

|  |  |
| --- | --- |
| Document Ref | GH-1000-STD-01 |
| Version | 0.1 |
| Date | 2019-12-11 |

|  |  |  |  |
| --- | --- | --- | --- |
| Rev | Date | Status | Description |
| 0.1 | 2019-12-11 | Draft | Initial pass |
|  |  |  |  |

|  |  |
| --- | --- |
| References |  |
|  |  |
|  |  |

Contents

[1 Overview 2](#_Toc26958569)

[1.1 Purpose of this Document 2](#_Toc26958570)

[1.2 Purpose of this Software 2](#_Toc26958571)

[1.3 Main Goals 2](#_Toc26958572)

[2 Reference Documents 3](#_Toc26958573)

[2.1 Software Design 3](#_Toc26958574)

[2.2 Reference Materials 3](#_Toc26958575)

[3 System Overview 4](#_Toc26958576)

[3.1 System Architecture 4](#_Toc26958577)

[3.2 Major Subsystems 4](#_Toc26958578)

[4 Logging System 5](#_Toc26958579)

[4.1 Status Levels 5](#_Toc26958580)

[4.1 Searching 5](#_Toc26958581)

[4.2 Configuration 5](#_Toc26958582)

[5 Status Codes 6](#_Toc26958583)

[6 Test Bench Structure 7](#_Toc26958584)

[6.1 Test Suite 1 7](#_Toc26958585)

[6.2 Test Suite 1 Checklist 7](#_Toc26958586)

[6.3 Test Suite 2 8](#_Toc26958587)

[6.4 Test Suite 2 Checklist 8](#_Toc26958588)

[7 Test Bench Matrix 9](#_Toc26958589)

# 1 Overview

This is a Software design document.

## 1.1 Purpose of this Document

This is a main section under the above heading.

## 1.2 Purpose of this Software

This is a main section under the above heading.

## 1.3 Main Goals

This is a main section under the above heading.

# 2 Reference Documents

This is a Software design document.

## 2.1 Software Design

This is a main section under the above heading.

|  |  |
| --- | --- |
| Document | Description |
| GH-1000-SRS | Software Requirements Specification |
| GH-1000-SQA | Software Quality Assurance |
| GH-1000-SDD | Software Design Document |
| GH-1000-STD | Software Test Document |
| GH-1000-SUD | Software User Document |

Table 2.1: Software Design Documents

## 2.2 Reference Materials

This is a main section under the above heading.

# 3 System Overview

This is a Software design document.

## 3.1 System Architecture

This is a main section under the above heading.

## 3.2 Major Subsystems

This is a main section under the above heading.

# 4 Logging System

This is a Software design document.

## 4.1 Status Levels

This is a main section under the above heading.

|  |  |
| --- | --- |
| Status Level | Description |
| PANIC | Catastrophic failure |
| ERROR | Operating System Errors |
| FAIL | Internal Errors |
| WARN | Warnings |
| PASS | Success / OK |
| INFO | Informational Only |
| DEBUG | Debug Only (must not be visible to user) |

Table 4.1: Status and Error Codes

## 4.1 Searching

This is a main section under the above heading.

## 4.2 Configuration

This is a main section under the above heading.

# 5 Status Codes

This is a Software design document.

|  |  |
| --- | --- |
| Status Code | Description |
| 101 | Passing / OK |
| 102 | Short description of the error |

Table 5.1: Error Codes

# 6 Test Bench Structure

This is a Software design document.

## 6.1 Test Suite 1

This is a main section under the above heading.

|  |  |
| --- | --- |
| TEST0101 | Test Name |
| Status | Passing / Failing |
| Description | Short description of the feature |

Test0101: Test Name

|  |  |
| --- | --- |
| TEST0102 | Test Name |
| Status | Passing / Failing |
| Description | Short description of the feature |

Test0102: Test Name

## 6.2 Test Suite 1 Checklist

This is a main section under the above heading.

|  |  |
| --- | --- |
| Step 1 | Description of test activity |
| Status | Passing / Failing |
| Severity | Critical/Major/Minor |
| Reproducibility |  |
| Comments | Short description of the symptoms |

|  |  |
| --- | --- |
| Step 2 | Description of test activity |
| Status | Passing / Failing |
| Severity | Critical/Major/Minor |
| Reproducibility |  |
| Comments | Short description of the symptoms |

## 6.3 Test Suite 2

This is a main section under the above heading.

|  |  |
| --- | --- |
| TEST0201 | Test Name |
| Status | Passing / Failing |
| Description | Short description of the feature |

Test0201: Test Name

|  |  |
| --- | --- |
| TEST0202 | Test Name |
| Status | Passing / Failing |
| Description | Short description of the feature |

Test0202: Test Name

## 6.4 Test Suite 2 Checklist

This is a main section under the above heading.

|  |  |
| --- | --- |
| Step 1 | Description of test activity |
| Status | Passing / Failing |
| Severity | Critical/Major/Minor |
| Reproducibility |  |
| Comments | Short description of the symptoms |

|  |  |
| --- | --- |
| Step 2 | Description of test activity |
| Status | Passing / Failing |
| Severity | Critical/Major/Minor |
| Reproducibility |  |
| Comments | Short description of the symptoms |

# 7 Test Bench Matrix

This is a Software design document.

|  |  |  |
| --- | --- | --- |
| Test Case | Status | Comments |
| TEST0101 | Passing |  |
| TEST0102 | Passing |  |
| TEST0201 | Passing |  |
| TEST0202 | Passing |  |

Table 7.1: Test Bench Status Matrix