Software Quality Assurance

GH-1000-SQA

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# 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

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# 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 Environmental Constraints

This is a Software design document.

## 4.1 Typical Operational Environment

This is a main section under the above heading.

## 4.2 Tolerances

This is a main section under the above heading.

# 5 Build Environment

This is a Software design document.

## 5.1 Typical Build Environment

This is a main section under the above heading.

## 5.2 Dependency Policy

This is a main section under the above heading.

### 5.2.1 Licence Requirements

This is a main section under the above heading.

### 5.2.2 Update Policy

This is a main section under the above heading.

## 5.2 Toolchain Policy

This is a main section under the above heading.

### 5.2.1 Licence Requirements

This is a main section under the above heading.

### 5.2.2 Update Policy

This is a main section under the above heading.

# 6 Execution Environment

This is a Software design document.

## 6.1 Target Hardware

This is a main section under the above heading.

## 6.2 Target Platform

This is a main section under the above heading.

## 6.3 Major Processes

This is a main section under the above heading.

# 6 Test Bench Environment

This is a Software design document.

## 6.1 Test Framework

This is a main section under the above heading.

## 6.2 Test Cases

This is a main section under the above heading.

## 6.3 Test Validation and Verification

This is a main section under the above heading.

## 6.4 Profiling

This is a main section under the above heading.

# 7 Reliability Constraints

This is a Software design document.

## 7.1 Throughput

This is a main section under the above heading.

## 7.2 Bandwidth

This is a main section under the above heading.

## 7.3 Execution Time

This is a main section under the above heading.

# 8 Performance Constraints

This is a Software design document.

## 8.1 Throughput

This is a main section under the above heading.

## 8.2 Bandwidth

This is a main section under the above heading.

## 8.3 Execution Time

This is a main section under the above heading.

# 9 Logging Policy

This is a Software design document.

## 9.1 Logging Levels

This is a main section under the above heading.

## 9.2 Logging and Error Messages

This is a main section under the above heading.

# 10 Data Protection Policy

This is a Software design document.

## 10.1 Persistence

This is a main section under the above heading.

## 10.2 Access

This is a main section under the above heading.

## 10.3 Privacy

This is a main section under the above heading.

# 11 Security Policy

This is a Software design document.

## 11.1 Access Controls

This is a main section under the above heading.

## 11.2 Tamper Detection

This is a main section under the above heading.

## 11.2 Tamper Prevent

This is a main section under the above heading.

## 11.3 Tamper Response

This is a main section under the above heading.

# 12 Error Detection and Recovery

This is a Software design document.

## 12.1 Detection

This is a main section under the above heading.

## 12.2 Recovery

This is a main section under the above heading.

## 12.3 Catastrophic Failures

This is a main section under the above heading.