**RPT Content Requirements**

**Documents must have at least the following defined and numbered sections;**

**if a section is not applicable place N/A under the heading.**

**Blue text is provided as example, remove or replace the blue text when populating the template.**

**DOCUMENT IDENTIFICATION:**

**SWXXXXX Version X.X.X.X**

**Code Review Report**

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# Purpose

## The purpose of this document is to describe the results of the code review of SWXXXX version X.X.X.X.

# Scope

## This document applies to the code review of the specific version of the specified software only.

# References

## CORPPI-190249 Code Review Procedure

# Definitions

## **Anomaly:** A fault in a program that causes the program to perform in an unintended or unanticipated manner.

## **Code Review:** A formal review technique where the programmer reviews source code and analyzes program logic, following the checklist provided, to ensure compliance with coding standards and verifying correct logic functionality of the source code.

## **Software Specifications:** Any set of the following: Software Requirements Specification, Software Design Document, Interface Design Specification, etc.

## **Unit:** A unit may be described as a module, function, subroutine, or set of these with a common functionality.

## **Current Release:** The source code, and specifications which make up the version being reviewed.

## **Prior Release:** The source code and specifications which make up the last version that was released. Note: a prior release must include a code review report in order to perform and incremental review.

## **Incremental Review:** A review of software and requirements focusing on the differences between a prior release and the current release.

## **Independent Reviewer:** A software developer skilled in reading and spotting coding errors for the specific coding language used in the product and did not author the code module or change to the code module being peer reviewed.

## **Malware:** Malicious software used to disrupt computer operation, gather sensitive information or gain access to private computer systems.

## **Lead Engineer:** The engineer who is responsible for coordinating the review and ensuring this procedure was followed.

# Test Results Summary

## Review Details

### Date reviewed:

### Reviewers:

### Source Control Location:

### Source Control Label:

### Lead Software Engineer:

## Review Type

### Full Review

### Incremental Review: Prior Version: SWXXXXX vX.X.X.X (Replace "SWXXXXX X.X.X.X" with "N/A" if the Review Type is a Full Review.)

## Software Requirement and Design Specification Review

### New or Modified Requirements and Design Documents

| **Previous Document** | **New Document** |
| --- | --- |
| SRS-XXXXX v021 Document description | SRS-XXXXX v022 Document description |
| N/A | SDS-XXXXX v021 Document description |

### Software Requirement and Design Specification Review Results

## No inconsistencies remain between the source code and the requirements and design documentation.

## OR

## The following documentation inconsistencies were discovered in the review, and included in the software hazard analysis and deemed acceptable:

| **Anomaly ID** | **Description** |
| --- | --- |
| Anomaly ID | Description of issue |

## Independent Peer Review

### Independent Peer Reviewers

## Name: Job Title:

## Name: Job Title:

### Remaining open anomalies discovered in the peer review

## No issues discovered during the peer review remain open.

## OR

## The following issues were discovered in the review, included in the software hazard analysis and deemed acceptable:

| **Anomaly ID** | **Description** |
| --- | --- |
| Anomaly ID | Description of issue |

### Cybersecurity Review

## No new cybersecurity vulnerabilities were discovered during the peer review.

## OR

## The following cybersecurity vulnerabilities were discovered in the review, and were included in the cybersecurity assessment:

| **Description** |
| --- |
| Description of issue |

### Malware Review

## The software was inspected for the presence of malware, and no malware was found.

## Anomaly Review (Incremental Review only)

### Review of closed anomalies

## The following anomalies were closed from the prior version and reviewed for completeness:

| **Anomaly ID** | **Description** |
| --- | --- |
| Anomaly ID | Description of issue |

### Remaining open anomalies introduced when fixing prior anomalies

## Anomaly changes were inspected, and no anomalies were introduced during the changes required to fix prior anomalies.

## Anomaly Review and Change Review (Incremental Review only)

| **Anomaly/**  **Change ID** | **Description** | **Source Modules Modified** |
| --- | --- | --- |
| Anomaly ID / Change ID | Description of change | List of source files modified for the change |

# Deviation or Amendments from Procedure

## Indicate whether there were deviations from the code review procedure. If any deviations from the code review procedure were made, they must be listed and justified.

# Conclusion

## The software has been reviewed per CORPPI-190249. The source code was confirmed to be consistent with the requirements and design documentation. The source code was inspected for anomalies and new cybersecurity threats by an independent reviewer, and no open anomalies or new cybersecurity threats were found. The software was inspected for presence of malware by an independent reviewer, and no malware was found.

# Attachments

## Attachment (list attachment reference as applicable)