DO Qualification Kit

Software Configuration Management Plan (SCMP)

R2017a

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DO Qualification Kit: Software Configuration Management Plan (SCMP)

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Revision History

February 2016 New for DO Qualification Kit Version 3.0 (Applies to Release 2015b)

Document Title: **Software Configuration Management Plan for <*Project*>.**

**Document Number: *<DocNo>***

Revision: ***<Revision>***

Project: **<*Project*>**

|  |  |  |
| --- | --- | --- |
| Approvals: |  |  |
| *<Name1>*, Author |  | Date |
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| *<Name 2>*, Project Management |  | Date |
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| *<Name 3>*, Engineering |  | Date |
|  |  |  |
| *<Name 4>*, Quality Engineering |  | Date |

| Change History | | | | |
| --- | --- | --- | --- | --- |
| Rev. | Modification / Description | Date | Author | Checked |
| 1.0 | *First release of Software Configuration Management Plan (SCMP)* |  |  |  |
|  |  |  |  |  |
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# Introduction

## Purpose and Scope

The purpose of this document is to provide the Software Configuration Management Plan (SCMP) for the project <*Project*>. This document provides the planning data defined in DO-178C, Section 11.4.The certification authority uses the SCMP for a project as an establishment of the methods to be used to achive the objectives of the software configuration management process throughout the software ligfe cycle.

Therefore, this document explains how the software configuration management process objectives of the project *<Project>* are satisfied, including:

* Description of the software configuration management environment.
* Description of the software configuration management process activities, including change management.
* Definition of software configuration management data.

The purpose of the SCMP is to establish the software configuration management methods for the project <*Project*>.

This document provides the planning data defined in [DO-178C] Section 11.4 and [DO-331] Section MB.11.4, respectively.

You can use this SCMP template as a resource when creating a SCMP. If you are updating an existing SCMP to support Model-Based Design (MBD), you can use this template as a reference document. Although representative of SCMPs used in the industry, this SCMP template has not been reviewed, approved, or accepted by any certification authority. It is the user’s responsibility to gain approval and acceptance of their SCMP by the appropriate certification authority.

## Applicable Documents

Table 1 – Regulations and Standards

| ID | Document Title |
| --- | --- |
| DO-178C | *Software Considerations in Airborne Systems and Equipment Certification*.  RTCA, Inc., 2011 |
| DO-330 | *Software Tool Qualification Considerations*.  RTCA, Inc., 2011 |
| DO-331 | *Model-Based Development and Verification Supplement to DO-178C and DO-278A*.  RTCA, Inc., 2011 |
|  | *<List additional documents here, e.g. Advisory Circulars, EASA Certification Memos, etc.>* |

Table 2 – Company and Project Plans, Standards, and Documents

| Document | Document Title |
| --- | --- |
| PSAC | ***Plan for Software Aspects of Certification for*** <*Project*> |
| SDP | ***Software Development Plan for*** <*Project*> |
| SVP | ***Software Verification Plan for*** <*Project*> |
| SCMP | ***Software Configuration Management Plan for*** <*Project*> This document. |
| SQAP | ***Software Quality Assurance Plan for*** <*Project*> |
| SRS | ***Software Requirements Standards for*** <*Project*> |
| SDS | ***Software Design Standards for*** <*Project*> |
| SCS | ***Software Code Standards for*** <*Project*> |
| SMS | ***Software Model Standards for*** <*Project*> |
| SCI | ***Software Configuration Index for*** <*Project*> \* |
| SECI | ***Software Life Cycle Environment Configuration Index for*** <*Project*> \*\* |
| SAS | *Software Accomplishment Summary* ***for*** <*Project*> |
|  | *<List additional documents>* |

\* The information that defines the software configuration for the project <*Project*> is recorded in the *Software Configuration Index* (SCI).

\*\* The tool environment used for the project <*Project*> is defined in the *Software Life Cycle Environment Configuration Index* (SECI).

This initial release will identify the versions of completed documents, versions of the tools used, and the initial software configuration.

At the completion of the project, the SCIs and SECI will be updated with the final configuration information and final document version information.

If any of the plans are revised during the project, the reasons for the changes are captured and documented in the *Software Accomplishment Summary* (SAS).

## Referenced Documents

| ID | Document Title |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |
|  | *<List additional documents here.>* |

# Environment

## Precedures, Tools, and Methods

* <Describe.>

## Organizational Responsibilities and Interfaces

* <Describe.>

# Activities

## Configuration Identification

* <Describe.>

## Baselines and Traceability

* <Describe.>

## Problem Reporting

* <Describe.>

## Change Control

* <Describe.>

## Change Review

* <Describe.>

## Configuration Status Accounting

* <Describe.>

## Archive, Retrieval, and Release

* <Describe.>

## Software Load Control

* <Describe.>

## Software Life Cycle Environment Controls

* <Describe.>

## Software Life Cycle Data Controls

* <Describe.>

# Transition Criteria

# SCM Data

## SCM Records

* <Describe.>

## Software Configuration Index

* <Describe.>

## Software Life Cycle Environment Configuration Index

* <Describe.>

# Supplier Control