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| **Title:** | **Project/System :** |
| **Software Configuration Index****of <LRU/Module Name>****for <Platform name>****(Sw Ver xx.xx)**  | **<System/Project Name>** |
| **Software Criticality Level :** |
| DO-178B Level <A/B/C/D> |
|  | **Name & Designation** | **Signature** |
| Prepared By | <Design Rep Name>, < Designation> |  |
| Reviewed By | <Project Leader Name>, <Designation><AWG/QA HOD Name>, <Designation><RCMA Rep Name>, <Designation> |  |
| Approved By | < Design Head name>,<Designation><RD,RCMA Name>, <Designation> |  |
| **<Design Firm Name & Address>** |

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**Amendment History**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Issue****No.** | **Issue Date** | **Brief Description of Amendment** | **Change Request Ref.** | **Affected** **Pages** | **Affected Section** | **Change Effective From****(Version/ Date)** |
| 001 |  | Initial Issue | NA | NA | NA | Initial |
| 002 |  |  |  |  |  |  |

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# INTRODUCTION

## Purpose

## Scope

## Acronyms and Abbreviations

## External Documents

Include references to standards, manuals, OEM documents etc.

## Internal Documents

Supply references to the following documents regarding software

a) Technical/ system/ functional specification

b) ICD

c) User/ Operation manual

d) Aircraft integration/ Flight trial reports

e) User feedback

f) Any MoM resulting in decisions regarding changes to the software

# Software Product

This document describes the version details of the following software component(s) :

|  |  |  |  |
| --- | --- | --- | --- |
| Sl.No. | CSCI Name | Software Version | Checksum |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# Current Software Release details

## Software Development Environment

The software development environment used along with versions/ release of the tools is to be included.

Programming Language :

IDE / Compiler :

Emulators/ Debug tools :

Linker/ Loader tools :

Development Operating System :

Test software version used :

Other supporting software used :

## Changes from previous version (Ver no.) to current version :

## Source Code listing

|  |  |  |  |
| --- | --- | --- | --- |
| Sl.no. | File name | Size | Last compilation date |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Executable object code file | size | Compilation date | Device in which the CSCI is loaded  | Ckt ref. Of the device(including Card name, LRU name) |
|  |  |  |  |  |

Similar tables will have to included for each CSCI.

# Software Revision History

Include summary of changes made in each of the earlier versions.

## Changes from Ver 1.0 to Ver 1.1

Include brief description of changes to the software. If more than one software component is changed in each version, separate listing for each component is to be given along with respective checksums.

## Changes from Ver 1.1 to Ver 1.2

And so on...

# Previously Developed Software

Include details of any software components which were developed for other applications and being used in this application. This may also include RTOS and other COTS components.

# Software Lifecycle Data

Include references to SRD, SDD, SVP, SVCP, SVR documents.

# Instructions for Building Executable Object Code

Give step by step procedure to build the object code from the source files and load it into the device. Give the details of configuration settings in the software tools, switch positions/ pin positioning etc in the hardware tools used for this purpose. Screenshots may be included if required, for better clarity.

# Archive, Release and data integrity

Mention how and where the source code, object code and the tools are going to be preserved without tampering by unauthorised personnel and retrieved safely for use by authorised personnel. Include how data integrity of the software is ensured before use.