|  |
| --- |
|  |
|  | **Document Ref:** |  |
| **Issue No. :** | <00X> | **Issue Date :** | <DD/MM/YYYY> |
| **Copy No. :**  | 01 02 03 04 05  | **No. of Pages :**  | < total no .of pages > |
| **Group :** | < Group Name> |
| **Document Classification :** | 🞎Secret 🞎Confidential 🞎Restricted 🞎Unrestricted  |
| **Title:** | **Project/System :** |
| **Software Accomplishment Summary****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>** |

**Document Copy Distribution List**

|  |  |  |
| --- | --- | --- |
| **Copy No.** | **DESIGNATION OF THE COPY HOLDER** | **ORGANISATION/DEPARTMENT** |
| 01 | Design Group Head  | Design Agency |
| 02 | RD | RCMA, Hyderabad |
| 03 | HOD | QC/ AWG, Design agency |
| 04 | Coordinator | Customer |

**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 |  |  |  |  |  |  |

Table of Contents

[1.0 INTRODUCTION 4](#_Toc445890845)

[1.1 Purpose 4](#_Toc445890846)

[1.2 Scope 4](#_Toc445890847)

[1.3 Acronyms and Abbreviations 4](#_Toc445890848)

[1.4 External Documents 4](#_Toc445890849)

[1.5 Internal Documents 4](#_Toc445890850)

[2.0 Software Identification 4](#_Toc445890851)

[3.0 System Overview 4](#_Toc445890852)

[4.0 Software Overview 4](#_Toc445890853)

[4.1 Software Architectural Block Diagram 5](#_Toc445890854)

[4.2 Processor 1 5](#_Toc445890855)

[4.3 Processor 2 5](#_Toc445890856)

[4.4 COTS software 5](#_Toc445890857)

[4.5 Other programmable devices 5](#_Toc445890858)

[5.0 Resource Utilization 5](#_Toc445890859)

[6.0 Software Lifecycle Data 5](#_Toc445890860)

[7.0 Certification Considerations 5](#_Toc445890861)

[7.1 Certification Basis and Means of Compliance 5](#_Toc445890862)

[7.2 Software Conformity to Objectives 5](#_Toc445890863)

[8.0 Additional Considerations 5](#_Toc445890864)

[9.0 Change History 5](#_Toc445890865)

[10.0 Software Status 6](#_Toc445890866)

[11.0 Compliance statement: 6](#_Toc445890867)

# 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 relevant to software verification and certification

# Software Identification

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

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

# System Overview

This section provides an overview of the system, including a description of its functions and their allocation to hardware and software, the architecture, the processor(s) used, the hardware/software interfaces, and safety features. This section also describes any differences from the system overview in the PSAC.

# Software Overview

Include in brief the description of software application for all CSCIs.

## Software Architectural Block Diagram

## Processor 1

## Processor 2

## COTS software

## Other programmable devices

# Resource Utilization

Give details of available resource capacity and utilised capacity and the means of measuring each characteristic.

Program Flash Usage :

Processor RAM Usage :

NVRAM Usage :

Flash Usage :

FPGA/ CPLD/ PAL usage :

Timing margin in Processor 1 :

Timing margin in Processor 2 :

# Software Lifecycle Data

Give references to SRD, SDD, SVP, SVCP, SVR and SCI documents and revisions to these documents. Include Problem report and Change notice references.

# Certification Considerations

Include details of certification considerations and if any difference to PSAC.

## Certification Basis and Means of Compliance

Same table of objectives and means of compliance as in PSAC, with latest changes during the process, if any.

## Software Conformity to Objectives

Table of objectives with compliance evidence document (mention document name and page numbers against each objective) and limitations/ deviations/ waivers, if any, in each of the compliance evidence. Bring out the observations during verification of each objective and whether they were closed.

# Additional Considerations

# Change History

If applicable, this section includes a summary of software changes with attention to changes made due to failures affecting safety, and identifies changes from the software life cycle processes since the previous certification. Include details of all the SCNs.

# Software Status

This section contains a summary of problem reports unresolved at the time of certification, including a statement of functional limitations.

# Compliance statement:

This section includes a statement of compliance with this document and a summary of the methods used to demonstrate compliance with criteria specified in the software plans. This section also addresses additional rulings and deviations from the software plans, standards and this document.