

Template No.
CEMILAC_SYSGP_SQAR_17

**SOFTWARE QUALITY ASSURANCE
PLAN
for <LRU/SYSTEM Name>
for
<Platform Name>**

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This document is a guidance document. Applicable section / table rows may be considered. Any additional details may be added. Any not applicable section/ table rows may be deleted. The template is very general and vary with process to process followed by Development Agency. The document may be fine-tuned with the TAA for finalization.

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Amendment History

Issue No.	Brief Description of Amendment	Change Request Ref.	Affected Pages	Affected Sections	Change Effective From
001	Initial Issue	NA	NA	NA	

Document Copy Distribution List

Sl. No.	DESIGNATION	ORGANISATION / DEPARTMENT
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1. INTRODUCTION

The Software Quality Assurance Record reports the application of methods planned to achieve the objectives of the Software Quality Assurance process. The <QA group of Design agency> shall prepare the observations and corrective actions taken in achieving the Quality objectives.

1.1 Purpose

The Software Quality Assurance Record aims at documenting identifying the execution of various QA activities at each phase of development, so that software Quality as planned in SQAP is attained. The record contains aspects are identified issues, evaluation, tracking and resolution.

1.2 Acronyms and Abbreviations

Acronym	Abbreviation
CSC	Computer Software Component
CSCI	Computer Software Configuration Item
FPGA	Field Programmable Gate Array
ICD	Interface Control Document
PSAC	Plan for Software Aspects of Certification
QC	Quality Control
RCMA	Regional Centre for Military Airworthiness
RTCA	Radio Technical commission for Aeronautics
SDP	Software Development Plan
SRD	Software Requirement Description
SAS	Software Accomplishment Summary
SCI	Software Configuration Index
SCM	Software Configuration Management
SCMP	Software Configuration Management Plan
SCS	Software Coding Standard
SDD	Software Design Description
SDP	Software Development Plan
SDS	Software Design standard
SECI	Software life cycle Environment Configuration Index
SQAP	Software Quality Assurance Plan

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SVR	Software Verification Results
SRD	Software Requirements Data
STM	Software Traceability Matrices

1.3 *Applicable Documents*

1.3.1 External Documents

1. RTCA/DO-178B/C Software Considerations in Airborne Systems and Equipment Certification Dt..
2. DDPMAS-21

1.3.2 Internal Documents

<List the QMS documentation specific to the organization and/or project>

2. ENVIRONMENT

This section describes the SQA Environment including Scope, objectives.

2.1 *Scope*

This Software Quality Assurance Record is to be seen in conjunction with the artifacts generated in the SQA Planning Process of the Life Cycle of the present project.

2.2 *Objective*

The objectives of the SQA Process Record are to assure the certification agency that:

- Software Development processes and integral processes comply with approved software plans and standards.
- The Transition Criteria for the Software life cycle processes are satisfied.
- All SOI reviews and the Conformity review of the software product are conducted.

3.0 SQA ACTIVITIES

<Include the references of following records>

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- Review Reports/Comments/Observations of all documents/ analyses/ reports reviewed by <DESIGN QA> and design disposition for the same.
- <DESIGN QA> Quality Audit checklist with remarks
- Minutes of Meeting/Discussion Records
- End Of Phase Review Checklist with remarks
- Deviation Records, SPRs, SCR's and VDDs
- Software Conformity Review Checklist with remarks
- Closure reports for the issues observed in meetings/ reviews

4.0 SQA RECORDS

<Enclose the actual signed copies of all the records mentioned in Sec 3.0>

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