

Template No.
CEMILAC_SYSGP_VDD_12

**Version Description Document
of <LRU/System Name>
for
<Platform Name>**

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Disclaimer:

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

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1. Introduction

The Software Version Description Document (SVDD) identifies and describes details of software version consisting of one or more Computer Software Configuration Items (CSCIs). It is used to release, track, and control software versions.

The term "version" shall be applied to the initial release of the software, to a subsequent release of that software, or to one of multiple forms of the software released at approximately the same time.

1.1. Purpose and Scope

This document provides the detailed description for defining the details of all files required to generate executable file which shall be uploaded into airborne LRU. It shall contained all source files, header files, libraries etc.

1.2. Applicable documents

Define the list of all applicable documents in following sections:

1.2.1. External documents

Define the list of all applicable documents of external origin, relevant for this project.

1.2.2. Internal documents

Define the list of all applicable documents of internal origin, relevant for this project.

1.3. Acronyms and Abbreviations

Define all the abbreviations and acronyms with their expanded names in this section.

1.4. Part Number and Nomenclature

Define the details of all software components having unique part number and nomenclature to identify them through the software development life cycle.

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2. System Overview:

This section provides an overview of the system, including a description of its functions. The block diagram may be added.

3. Software Overview:

This section provides an overview of the all software builds, including a description of its functions. The major function of each software build may be defined in brief.

4. Summary of Improvements Made in Ver X.XX

<Define the summary of basis, due to which software build Ver X.XX was modified>.

<Define the details of Change Requests>

<Define the summary of improvements made in Software Build Ver X.XX>.

<Define the evaluation criteria, which is the basis of clearance of Software build for operational use>.

If the Software build is released initially, the following is not applicable.

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5. Version Description:

5.1 Software Binary/Executables Files:

<Define the version, Revision and Checksum of all software binary files>

Software Binary File 1:

Identification Name	Version	Revision	Checksum	Size (In Bytes)

....

5.2 Source Code Files:

Define the list of all source code files e.g. *.c, *.cpp etc

Sl. No.	File Name	Description	Revision No	Date	Status	Size (In Bytes)

5.3 Header Code Files:

Define the list of all header code files e.g. *.h, *.hpp etc

Sl. No.	File Name	Description	Revision No	Date	Status	Size (In Bytes)

5.4 Library Files:

Define the list of all library files:

Sl. No.	File Name	Description	Revision No	Date	Status	Size (In Bytes)

5.5 Commercial Off the Shelf (COTS) Software:

<Define the version, Revision and Checksum of all COTS software binary files>

Software Binary File 1:

Identification Name	Version	Revision	Checksum	Size (In Bytes)

...

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5.6 Database Files:

<Define the identification, Version, Revision, Checksum, Size in Bytes etc of all type database files e.g. user modifiable data, calibration data etc which shall be used in Airborne LRUs>

Sl. No.	File Name	Description	Revision No	Date	Status	Size (In Bytes)

5.7 Boot Code Files:

<Define the identification, Version, Revision, Checksum, Size in Bytes etc of Boot Code files (if applicable)>

5.7 Development Tools:

<Define the details of versions of development tools e.g. cross compilers, emulator hardware, integrated development environments (vision ice, visual studio etc).>

5.8 Version of Equipments:

<Define the details of versions of the equipments (e.g. rigs, simulators, test equipments etc) which are/were used for the testing of software version being released may also be included.>

5.9 Changes from Previous Build:

If an incremental release build i.e. change due to updation, bug fix, improvements etc, then changes done from previous build to the build to which this document applies, the list of applicable documents may be given.

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6. Installation Instructions:

<Define the instructions for installing the software version>. <Identification of other changes that have to be installed for this version to be used, including site-unique adaptation data not included in the software version>.

<Security, privacy, or safety precautions relevant to the installation>. <Procedures for determining whether the version has been installed properly>.

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If there is more than one method to install the software version being released, all shall be mentioned separately. Screen shots may be used for more clarity in Software Upload Manual.

7. Release Media:

<Define the details of all physical media (for example, listings, tapes, disks) and associated documentation that make up the software version being released. It shall include applicable security and privacy considerations for these items, precautions & safeguards for handling them, such as instructions and restrictions regarding duplication and license provisions>.

8. Limitations:

<Define any known limitations with the software version at the time of release and any instructions (either directly or by reference) for recognizing, avoiding, correcting, or otherwise handling each one>.

Appendix A:

<The reference details of other software may be defined in this appendix, as these software shall be associated throughout the life of airborne LRUs e.g. module level software, HFT Software, CPLD/FPGA Software etc>

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