Template No.

CEMILAC\_SYSGP\_IASM\_13

**Issue/Rev No: 01/00**

**Date of Release: 8 Feb 2025**

**IMPACT ANALYSIS of SOFTWARE MODIFICATION**

**for <LRU/SYSTEM Name>**

**for**

**<Platform Name>**

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| <DESIGN  AGENCY  LOGO> | | **Document No.** |  | | | |
| **Issue No./**  **Rev No. :** | <00X>/ | **Issue Date :** | | <DD/MM/YYYY> |
| **Copy No. :** | 01 of N | **No. of**  **Pages :** | | < total no .of pages > |
| **Document Classification :** | 🞎 Secret 🞎 Confidential  🞎 Restricted 🞎 Unrestricted | | | |
| **Title:** | | | | | **Project/System :** | |
| **IMPACT ANALYSIS of MODIFICATION**  **for**  **<LRU/SYSTEM Name>for <Platform name>** | | | | | < Project/System Name> | |
| **LRU/System Part No.** | |
| <No.> | |
| **Critical Level** | |
| <A/B/C/D/E> | |
|  | **Name & Designation** | | | | **Signature** | |
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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.

**Impact Analysis Report for Software change from Ver ……. To Ver …….**

1. Requirement Id:
   1. Description
      1. Changed Requirement / New Requirement : <Brief Description>
      2. Problem reported/ Reason for new Req :
      3. Classification: <Corrective, Preventive, Improvement, Enhancement>
      4. Priority : <High, Medium, Low>
      5. Status : <Open, Closed>
   2. Analysis
      1. Problem Root cause Analysis
      2. Feasibility analysis for the suggested change
      3. Documents affected
      4. Impact level : <Major, Minor>
   3. Implementation plan: <Immediate, Deferred, Waived>
   4. Design changes
      1. Addition/ deletion/ modification in Computation/Logic
      2. Data/ state machine changes
   5. Code changes
      1. Procedures affected
      2. Procedures using the affected module
   6. Test strategy
      1. Existing Test Plan/Procedure Changes
         1. Unit level
         2. CSCI/ HSI level
         3. Integration level
      2. Additional Test cases
         1. Unit level
         2. CSCI/ HSI level
         3. Integration level
      3. Test cases for regression test
         1. Unit level
         2. CSCI/ HSI level
         3. Integration level
   7. DO-178B/C compliance (if applicable)
      1. Objectives affected
      2. Activities to be repeated to maintain compliance to DO-178B
      3. Evidences to be provided for compliance