Template No.

 CEMILAC\_SYSGP\_IASM\_13

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 **IMPACT ANALYSIS of SOFTWARE MODIFICATION**

 **for <LRU/SYSTEM Name>**

**for**

 **<Platform Name>**

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| <DESIGN AGENCYLOGO> | **Document No.** |  |
| **Issue No./** **Rev No. :** | <00X>/ | **Issue Date :** | <DD/MM/YYYY> |
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| **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