

**CONFIGURATION MANAGEMENT PROCESS**

**Software Process And Quality Management**

**Team 5 K16T1**



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**REVISIONS**

# MEMBER LISTS:

|  |  |
| --- | --- |
| T103573 | Le Ngoc Chau |
| T105026 | Khau Thanh Dao |
| T104898 | Huynh Trong Khang |
| T101184 | Ta Ngoc Thien Phu |
| T103569 | Nguyen Hoang Fa Thu |
| T094054 | Trinh Thai Anh |

# INTRODUCTION:

## DOCUMENT PURPOSE:

This document ***is*** Configuration Management (CM) of systems and/or software engineering efforts. CM supports the management and control of project requirements and configurations. CM establishes and maintains the integrity of the products of a project throughout the project life cycle. CM involves identifying the configuration of products developed and delivered to the customer, systematically controlling changes to the configuration, and maintaining the traceability of the configuration

## Scope:

This process supports projects involving systems or software engineering, or technical support services.

## Guidelines

Personnel performing CM may find it necessary or beneficial to tailor the steps defined in this document, depending upon the scope of the project for which CM is being implemented, e.g. where a project involves performing a service versus developing a hardware or software product, certain steps may be tailored or omitted as appropriate.

Project personnel charged with implementing this process shall ensure that completed work products based on this process comply with the process described in this document.

## Document Overview

This document consists of the following sections:

1. Section 1 is an introduction to the Configuration Management Process.
2. Section 2 contains the roles and responsibilities, entrance criteria, inputs, tasks, outputs and exit criteria and process measures for the Configuration Management Process.

## Reference Materials

## Abbreviations and Acronyms.

1. Configuration Control Board
2. CI Configuration Item
3. CM Configuration Management
4. CMP Configuration Management Plan
5. CMU Carnegie Mellon University
6. CR Change Request
7. CSA Configuration Status Accounting
8. DCR Document Change Request
9. EIA Electronic Industries Alliance
10. FCA Functional Configuration Audit
11. IEEE Institute of Electrical and Electronics Engineers
12. PAL Process Asset Library
13. PCA Physical Configuration Audit
14. PM Project Manager
15. PMP Project Management Plan
16. QA Quality Assurance
17. SCM Software Configuration Management
18. SEI Software Engineering Institute
19. SSC SPAWAR Systems Center
20. SEPG Systems/Software Engineering Process Group
21. SEPO Systems Engineering Process Office
22. SPAWAR Space and Naval Warfare
23. SPI Systems/Software Process Improvement

# Configuration management process:

# *Process:*