Computer Programming Manual (CPM)

Development Team

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# Computer Programming Manual (CPM)

## 1. Scope

### 1.1 Identification

**CPM-001: Manual Identification** - The manual **shall** be identified by the following information: - **Manual Name**: [Manual Name] - **Manual Identifier**: [CPM-001] - **Version**: 1.0 - **Classification**: [Unclassified/Classified Level]

### 1.2 Manual Overview

**CPM-002: Manual Purpose** - The manual **shall** provide programming guidelines and standards - The manual **shall** describe coding conventions and practices - The manual **shall** cover development tools and environments

## 2. Referenced Documents

**CPM-003: Referenced Standards** - MIL-STD-498: Software Development and Documentation - [Other applicable standards]

## 3. Programming Standards

### 3.1 Coding Conventions

**CPM-004: Code Style** - The manual **shall** define naming conventions - The manual **shall** specify code formatting rules - The manual **shall** describe comment standards

### 3.2 Programming Practices

**CPM-005: Best Practices** - The manual **shall** describe secure coding practices - The manual **shall** include error handling guidelines - The manual **shall** provide performance optimization tips

## 4. Development Environment

**CPM-006: Tools and Environment** - The manual **shall** describe required development tools - The manual **shall** specify IDE configuration - The manual **shall** include build system setup

## 5. Testing Guidelines

**CPM-007: Testing Standards** - The manual **shall** describe unit testing requirements - The manual **shall** include integration testing procedures - The manual **shall** provide code review guidelines

## 6. Notes

* **CPM**: Computer Programming Manual
* **IDE**: Integrated Development Environment