# Software Development Plan (SDP)

Development Team

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## Software Development Plan (SDP)

### 1. Scope

#### 1.1 Identification

**SDP-001: Project Identification** - The project **shall** be identified by the following information: - **Project Name**: [Project Name] - **Project Identifier**: [PRJ-001] - **Version**: 1.0 - **Classification**: [Unclassified/Classified Level]

#### 1.2 Plan Overview

**SDP-002: Plan Purpose** - The plan **shall** define the approach for software development - The plan **shall** describe the project organization and schedule - The plan **shall** specify quality assurance and risk management

### 2. Referenced Documents

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

### 3. Management

#### 3.1 Organization

**SDP-004: Project Organization** - The project **shall** define roles and responsibilities - The project **shall** identify key stakeholders - The project **shall** establish reporting structure

#### 3.2 Schedule

**SDP-005: Project Schedule** - The project **shall** define major milestones - The project **shall** provide a Gantt chart or timeline - The project **shall** update the schedule as needed

### 3.3 Resources

**SDP-006: Resource Allocation** - The project **shall** allocate personnel, tools, and facilities - The project **shall** manage budget and procurement - The project **shall** monitor resource usage

## 4. Technical Approach

### 4.1 Development Process

**SDP-007: Process Model** - The project **shall** follow [agile/waterfall/iterative] process - The project **shall** define development phases - The project **shall** document process tailoring

### 4.2 Methods, Tools, and Techniques

**SDP-008: Methods and Tools** - The project **shall** use [specified methods and tools] - The project **shall** document tool usage and configuration - The project **shall** provide training for tools

### 4.3 Standards

**SDP-009: Standards Compliance** - The project **shall** comply with coding, documentation, and testing standards - The project **shall** review standards compliance regularly - The project **shall** update standards as needed

## 5. Quality Assurance

**SDP-010: Quality Assurance Plan** - The project **shall** define quality objectives and metrics - The project **shall** conduct reviews and audits - The project **shall** implement corrective actions

## 6. Risk Management

**SDP-011: Risk Management Plan** - The project **shall** identify and assess risks - The project **shall** develop mitigation strategies - The project **shall** monitor and report risks

## 7. Notes

- **SDP**: Software Development Plan
- **QA**: Quality Assurance
- **Gantt Chart**: Project schedule visualization