

# **System Development Life Cycle (SDLC) Map**



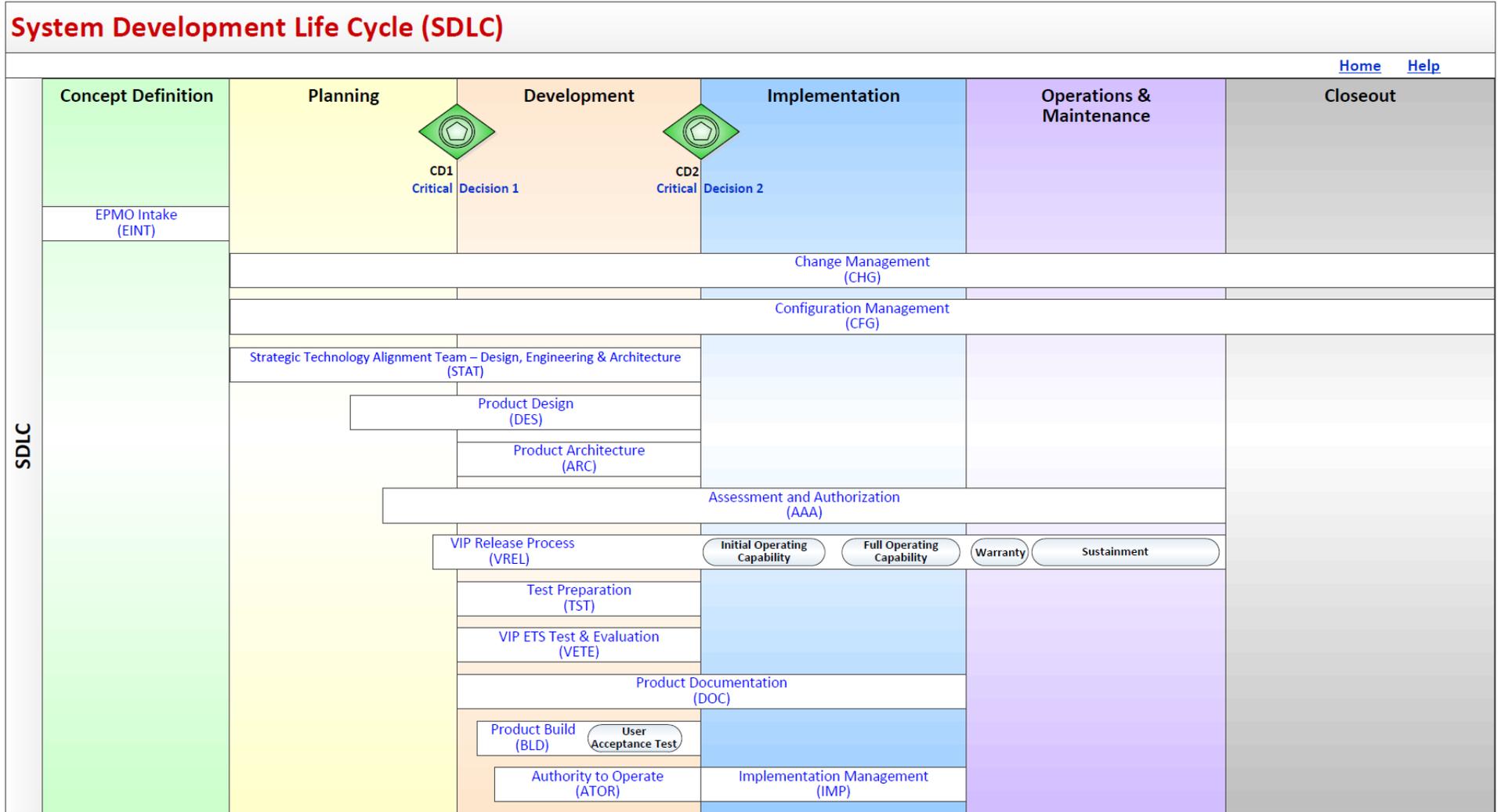
**ProPath**

**Office of Information and Technology**

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# System Development Life Cycle (SDLC) Map



# ProPath System Development Life Cycle (SDLC) Map

## Description

This slide depicts key process activities as a typical project progresses through the Project Management Institute's five defined project phases (Initiating, Planning, Executing, Monitoring and Controlling, Closing), that also have tie-ins to the Veteran-focused Integration Process and the Veteran-focused Integration Release Process.

## Concept Definition

- ProPath Processes:
  - EPMO Intake begins at the start of this phase and concludes at the end of it.

## Planning

- ProPath Processes:
  - Change Management begins at the start of this phase and continues past the end of it
  - Configuration Management begins at the start of this phase and continues past the end of it
  - Strategic Technology Alignment Team Design, Engineering & Architecture begins at the start of this phase and continues past the end of it
  - Product Design begins half way through this phase and continues past the end of it
  - Assessment and Authorization begins two thirds of the way through this phase and continues past the end of it
  - VIP Release begins near the end of this phase and continues past the end of it, marked by the assignment of the Release Agent.
- Veteran-focused Integration Process Critical Decisions
  - Critical Decision 1 (CD1) occurs at the end of this phase and before the beginning of the Development Phase

## Development

- ProPath Processes:
  - Change Management spans this phase and continues past the end of it
  - Configuration Management spans this phase and continues past the end of it
  - Strategic Technology Alignment Team Design, Engineering & Architecture concludes at the end of this phase.
  - Product Design concludes at the end of this phase
  - Product Architecture concludes at the end of this phase
  - Assessment and Authorization spans this phase and continues past the end of it
  - Veteran-focused Integration Process Release Management spans this phase and continues past the end of it
  - Test Preparation starts at the beginning of this phase and concludes at the end of it

- Veteran-focused Integration Process Enterprise Testing Service Test and Evaluation Process starts at the beginning of this phase and concludes at the end of it
- Product Documentation begins in this phase and continues past the end of it
- Product Build begins one fifth of the way through this phase and concludes at the end of this phase
  - User Acceptance Test occurs half way through Product Build and concludes before the end of the phase
- Authority to Operate begins about one third into this phase and concludes at the end of it
- Veteran-focused Integration Process Critical Decisions
  - Critical Decision 2 (CD2) occurs at the end of this phase and before the beginning of the Implementation Phase

## **Implementation**

- ProPath Processes:
  - Change Management spans this phase and continues past the end it
  - Configuration Management spans this phase and continues past the end of it
  - Assessment and Authorization spans this phase and continues past the end of it
  - Veteran-focused Integration Process Release Management spans this phase and continues past the end of it
    - If Initial Operating Capability occurs within VIP Release Management, it starts after Critical Decision 2 and completes before Full Operating Capability.
    - Full Operating Capability, when applicable, begins after the end of Initial Operating Capability and continues with VIP Release Management to the end of the phase.
  - Product Documentation spans this phase and completes at the end of it
  - Implementation Management begins in this phase and completes at the end of it

## **Operations and Maintenance**

- ProPath Processes
  - Change Management spans this phase and continues past the end it
  - Configuration Management spans this phase and continues past the end it
  - Assessment and Authorization spans this phase and completes at the end of it of it
  - Veteran-focused Integration Process Release Management spans this phase and ends at the end of it
    - Warranty coverage starts at the beginning of this phase and ends 90 days later.

- Sustainment coverage starts following Warranty coverage and completes just before the end of Veteran-focused Integration Process Release Management.

## **Closeout**

- ProPath Processes
  - Change Management spans this phase and completes at the end of it
  - Configuration Management spans this phase and completes at the end of it

**Note:** All 508 conformant ProPath Process files are available at:

END OF SYSTEM DEVELOPMENT LIFE CYCLE (SDLC) MAP