

# Defense Acquisition Life Cycle Compliance Baseline (Pre-Tailoring)

## Acquisition & Procurement Milestones, Phases and Decision Points

These decision points, milestones and phases are standard elements of the Defense Acquisition System; however, MDAs, with PM input, have full latitude to tailor programs in the most effective and efficient structure possible, unless constrained by statute

### Milestone & Phase Information Requirements

Statutory information requirements are shown in dark red **bold italics**. Regulatory and best practice information requirements are shown in blue **bold**. For a complete list of statutory and regulatory information requirements see Table 2 of DoDI 5000.02

### Program Oversight & Review

**MDD**

- Authorizes MSA Phase Entry
- Directs conduct of *AoA*
- Designates Lead Component
- Determines Phase of Entry

**Milestone A**

- Approves TMRR Phase Entry
- Approves Materiel Solution & Acquisition Strategy
- Approves TMRR RFP release & Source Selection
- *MDAP Program Certification*

**CDD-V**

Validation of the program requirements contained in the CDD by the requirements authority (JROC for ACAT I & IA)

**DRFPRD**

- Approves Acquisition Strategy & EMD RFP Release
- This review is the critical decision point in a program
- Last point at which significant changes can be made without major disruption

**MS B**

- Program Initiation
- Approves APB & Updated DRFPRD Information
- *MDAP Program Certification*

**MS C**

- Approves Production & Deployment Phase Entry
- Approves Updated APB & Acquisition Strategy

**FRPDR**

Approves proceeding to Full Rate Production and/or Full Deployment (FDDR)

**IOC**

Initial Operational Capability

**FOC**

Full Operational Capability

### Key Phase Activities

**MSA Phase Key Activities**

- *AoA*
- Cost/Performance Trades
- Affordability Analysis
- Risk Analysis
- Develop Acquisition Strategy, and Other Information to Support MS A
- Select PM; establish PMO

**TMRR Phase Key Activities**

- Competitive Prototyping
- Technology Readiness Assessment (TRA)
- Preliminary Design Review (PDR)
- Validate Capability Development Document (CDD)
- Update Acquisition Strategy, and Other Information to Support DRFPRD and MS B
- Release Request for Proposal (RFP) and Conduct Source Selections for TMRR and EMD

**EMD Phase Key Activities**

- Developmental Testing (DT)
- Operational Assessments (OA)
- Critical Design Review
- Update Acquisition Strategy, APB and Other Information to Support MS C
- Validate Capability Production Document (CPD)
- Release RFP and Conduct Source Selection for LRIP/FRP Prepare for Production, Fielding and Sustainment

**P&D Phase Key Activities**

- LRIP
- Initial Operational Test & Evaluation (IOT&E)
- Full Rate Production
- Deployment
- Performance Based Logistics (PBL) Implementation
- Update Intel/CI Products

**O&S Phase Key Activities**

- Overlaps P&D Phase
- Full Rate Production & Deployment Continue
- PBL Implementation Continues
- Disposal – Demilitarization and Disposal at end of useful life
- Update Intel/CI Products

### Joint Capabilities Integration and Development System (JCIDS)

Capabilities Gap Assessment

Integrated Priority List

Capabilities Based Assessment

ICD

Operational Mode Summary / Mission Profile

Post AOA Review

Draft CDD

CONOPS/OMS/MP

Cost-Performance Analysis and Trades

CDD

CONOPS/OMS/MP

VOLT

LMDP

SCRM

MDCITA

Refine Requirements For Production

CPD

CONOPS/OMS/MP

VOLT

LMDP

SCRM

MDCITA

Refine CIPs, Threat Modules and Intelligence Mission Data

LRIP RFP

Source Selection

Refine CIPs, Threat Modules and Intelligence Mission Data

FRP RFP

Source Selection

Update as Required

SCRM

MDCITA

Update as Required

SCRM

MDCITA

Update as Required

SCRM

MDCITA

### Acquisition Intelligence

Joint Intelligence Estimate

Defense Intelligence Threat Library

Develop CIPs

Develop Threat Modules

Determine Intelligence Mission Data Dependencies

VOLT

LMDP

SCRM

MDCITA

Refine CIPs & Threat Modules

Identify Intelligence Mission Data

VOLT

LMDP

SCRM

MDCITA

Refine CIPs, Threat Modules and Intelligence Mission Data

VOLT

LMDP

SCRM

MDCITA

Update as Required

SCRM

MDCITA

Update as Required

SCRM

MDCITA

Update as Required

SCRM

MDCITA

Update as Required

SCRM

MDCITA

Update as Required

SCRM

MDCITA

### Contracting

Study Contract RFP

Source Selection

Contract award(s) for MSA Phase

TMRR RFP

Source Selection

Contract Awards for TMRR Phase

EMD RFP

Source Selection

Contract Award for EMD Phase

LRIP RFP

Source Selection

Contract Award for LRIP

FRP RFP

Source Selection

Contract Awards for FRP/FD/Sustainment

ECPs, Sustainment Contracts/Software Support Contracts

ECPs, Sustainment Contracts/Software Support Contracts

ECPs, Sustainment Contracts/Software Support Contracts

ECPs, Sustainment Contracts/Software Support Contracts

### Major Products

AoA

Materiel Solution

Prototypes

Competitive Prototyping

Prototypes

Competitive Prototyping

PDR Before or After DRFPRD

SRR

SFR

PDR

Draft SEP

PDR

SEP

Reassess CI, Cybersecurity, and Security Environment

Draft Program Protection Plan

Program Protection Plan

Reassess CI, Cybersecurity, and Security Environment

Program Protection Plan

Reassess CI, Cybersecurity, and Security Environment

Program Protection Plan

Reassess CI, Cybersecurity, and Security Environment

Program Protection Plan

Reassess CI, Cybersecurity, and Security Environment

Program Protection Plan

Reassess CI, Cybersecurity, and Security Environment

Program Protection Plan

Reassess CI, Cybersecurity, and Security Environment

Program Protection Plan

### Systems Engineering

ASR

SEP

Program Protection Plan

(Includes Cybersecurity Strategy Annex)

ASR

SEP

Program Protection Plan

(Includes Cybersecurity Strategy Annex)

ASR

SEP

Program Protection Plan

(Includes Cybersecurity Strategy Annex)

ASR

SEP

Program Protection Plan

(Includes Cybersecurity Strategy Annex)

ASR

SEP

Program Protection Plan

(Includes Cybersecurity Strategy Annex)

ASR

SEP

Program Protection Plan

(Includes Cybersecurity Strategy Annex)

ASR

SEP

Program Protection Plan

(Includes Cybersecurity Strategy Annex)

ASR

SEP

Program Protection Plan

(Includes Cybersecurity Strategy Annex)

ASR

SEP

Program Protection Plan

(Includes Cybersecurity Strategy Annex)

### Software

Build 0.1

Build 1.1

Build 1.2

Build 1.3

Build 2.1

Build 3.1

Build 3.2\*

Build 0.1

Build 1.1

Build 1.2

Build 1.3

Build 2.1

Build 3.1

Build 3.2\*

Build 0.1

Build 1.1

Build 1.2

Build 1.3

Build 2.1

Build 3.1

Build 3.2\*

Build 0.1

Build 1.1

Build 1.2

Build 1.3

Build 2.1

Build 3.1

Build 3.2\*

Build 0.1

Build 1.1

Build 1.2

Build 1.3

Build 2.1

Build 3.1

Build 3.2\*

Build 0.1

Build 1.1

Build 1.2

Build 1.3

Build 2.1

Build 3.1

Build 3.2\*

Build 0.1

Build 1.1

Build 1.2

Build 1.3

Build 2.1

Build 3.1

Build 3.2\*

Build 0.1

Build 1.1

Build 1.2

Build 1.3

Build 2.1

Build 3.1

Build 3.2\*

Build 0.1

Build 1.1

Build 1.2

Build 1.3

Build 2.1

Build 3.1

Build 3.2\*

### Test and Evaluation

TRR

EOA

Draft TEMP

TEMP

TRR

EOA

Draft TEMP

TEMP

TRR

EOA

Draft TEMP

TEMP

TRR

EOA

Draft TEMP

TEMP

TRR

EOA

Draft TEMP

TEMP

TRR

EOA

Draft TEMP

TEMP

TRR

EOA

Draft TEMP

TEMP

TRR

EOA

Draft TEMP

TEMP

TRR

EOA

Draft TEMP

TEMP

### Logistics/Sustainment

Draft LCSP

ILA

LCSP

Draft LCSP

ILA

LCSP

Draft LCSP

ILA

LCSP

Draft LCSP

ILA

LCSP

Draft LCSP

ILA

LCSP

Draft LCSP

ILA

LCSP

Draft LCSP

ILA

LCSP

Draft LCSP

ILA

LCSP

Draft LCSP

ILA

LCSP

### Financial Management

MAIS

CARD

CCE

CCP

ICE

MDAP/MAIS

MDAP

MDAP

MDAP

Full Funding in FYDP

MAIS

CARD

CCE

CCP

ICE

MDAP/MAIS

MDAP

MDAP

MDAP

Full Funding in FYDP

MAIS

CARD

CCE

CCP

ICE

MDAP/MAIS

MDAP

MDAP

MDAP

Full Funding in FYDP

MAIS

CARD

CCE

CCP

ICE

MDAP/MAIS

MDAP

MDAP

MDAP

Full Funding in FYDP

MAIS

CARD

CCE

CCP

ICE

MDAP/MAIS

MDAP

MDAP

MDAP

Full Funding in FYDP

MAIS

CARD

CCE

CCP

ICE

MDAP/MAIS

MDAP

MDAP

MDAP

Full Funding in FYDP

MAIS

CARD

CCE

CCP

ICE

MDAP/MAIS

MDAP

MDAP

MDAP

Full Funding in FYDP

MAIS

CARD

CCE

CCP

ICE

MDAP/MAIS

MDAP

MDAP

MDAP

Full Funding in FYDP

MAIS

CARD

CCE

CCP

ICE

MDAP/MAIS

MDAP

MDAP

MDAP

Full Funding in FYDP

## Acronyms & Abbreviations

- ACAT – Acquisition Category
- AoA – Analysis of Alternatives
- APB – Acquisition Program Baseline
- ASR – Alternative Systems Review
- CARD – Cost Analysis Requirements Description
- CCE – Component Cost Estimate
- CCP – Component Cost Position
- CDD – Capability Development Document
- CDD-V – Capability Development Document Validation
- CDR – Critical Design Review
- CI – Counterintelligence
- CIPs – Critical Intelligence Parameters
- CONOPS/OM/MSP – Concept of Operations/Operational Mode Summary/Mission Profile
- CPD – Capability Production Document
- CSB – Configuration Steering Board
- DCAPE – Director, Cost Assessment & Program Evaluation
- DRFPRD – Development Request for Proposals Release Decision
- DT&E – Developmental Test & Evaluation
- DoDI – Department of Defense Instruction
- DOT&E – Director of Operational Test & Evaluation
- ECPS – Engineering Change Proposals
- EMD – Engineering & Manufacturing Development
- EOA – Early Operational Assessment
- FCA – Functional Configuration Audit
- FD – Full Deployment
- FOC – Full Operational Capability
- FOT&E – Follow-on Operational Test & Evaluation
- FRP – Full-Rate Production
- FRP/FD – Full-Rate Production / Full Deployment Decision Review
- FYDP – Future Years Defense Program
- ICD – Initial Capabilities Document
- ICE – Independent Cost Estimate
- ILA – Independent Logistics Assessment
- IOC – Initial Operational Capability
- IOT&E – Initial Operational Test & Evaluation
- ISR – In-Service Review
- JITC – Joint Interoperability Test Command
- JROC – Joint Requirements Oversight Council
- LCCE – Life Cycle Cost Estimate
- LCSPP – Life Cycle Sustainment Plan
- LFT&E – Live Fire Test & Evaluation
- LMDP – Life-Cycle Mission Data Plan
- LRIP – Low-Rate Initial Production
- MAIS – Major Automated Information System
- MDA – Milestone Decision Authority
- MDAP – Major Defense Acquisition Program
- MDCITA – Multi-Discipline Counterintelligence Threat Assessment
- MDD – Materiel Development Decision
- MS – Milestone
- MSA – Materiel Solution Analysis
- OA – Operational Assessment
- OTRR – Operational Test Readiness Review
- PBL – Performance-Based Life-Cycle Product Support; Performance-Based Logistics
- PCA – Physical Configuration Audit
- PDR – Preliminary Design Review
- PIR – Post Implementation Review
- PM – Program Manager
- PMO – Program Management Office
- PPBE – Planning, Programming, Budgeting & Execution
- PRR – Production Readiness Review
- RD&E – Research, Development, Test & Evaluation
- RFP – Request for Proposal
- SCRMM – Supply Chain Risk Management
- SEP – Systems Engineering Plan
- SRR – System Requirements Review
- SFR – System Functional Review
- TEMP – Test & Evaluation Master Plan
- TMRR – Technology Maturation & Risk Reduction
- TRA – Technology Readiness Assessment
- TRR – Test Readiness Review
- VOLT – Validated Online Lifecycle Threat

**Tailoring and Program Models** -The models provide baseline approaches. A specific program should be tailored to the unique character of the product being acquired.

(2) Program Structure. The structure of a DoD acquisition program and the procedures used should be tailored as much as possible to the characteristics of the product being acquired, and to the totality of circumstances associated with the program including operational urgency and risk factors.

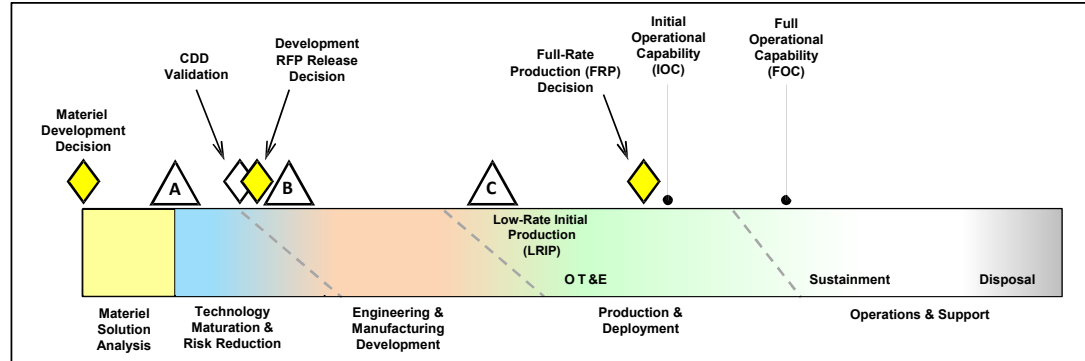
(a) MDAs will tailor program strategies and oversight, including program information, acquisition phase content, the timing and scope of decision reviews and decision levels, based on the specifics of the product being acquired, including complexity, risk factors, and required timelines to satisfy validated capability requirements.

(b) When there is a strong threat-based or operationally driven need to field a capability solution in the shortest time, MDAs are authorized to implement streamlined procedures designed to accelerate acquisition system responsiveness. Statutory requirements will be complied with, unless waived in accordance with relevant provisions.

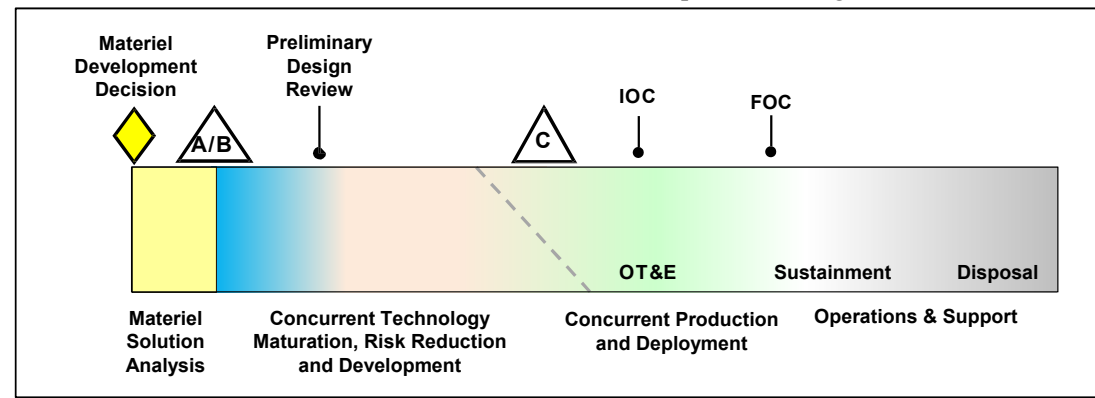
(c) In accordance with Section 806 of Public Law 114-92 (Reference (d)), the Secretary of Defense may waive acquisition law or regulation to acquire a capability that would not otherwise be available to the DoD Components. This waiver authority may not be delegated.

**Alternative Pathways** - Today, the Department predominately uses two acquisition pathways that are well understood and used regularly; one for Major Defense Acquisition Programs (described in DoDI 5000.02) and one for Urgent/Emerging Operational Needs (described in DoDI 5000.71). However, in today's near-peer competitive environment, DoD needs alternative pathways to acquire capabilities faster than these two models alone can support. The FY 2016 NDAA provided such an additional pathway, referred to as "middle tier acquisition." This provision recognizes DoD's need to move faster on promising technologies that are too early to declare as an acquisition program, but have the ability to provide significant Warfighter advantages if delivered faster.

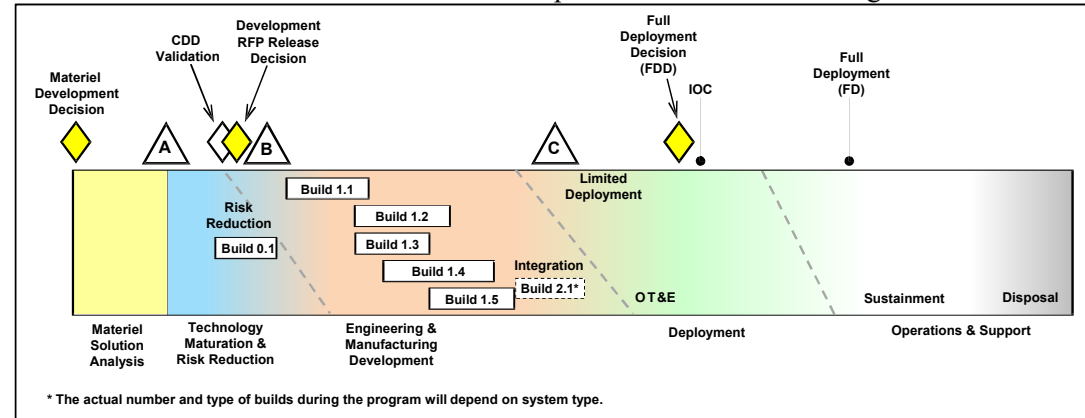
Model 1: Hardware Intensive Program



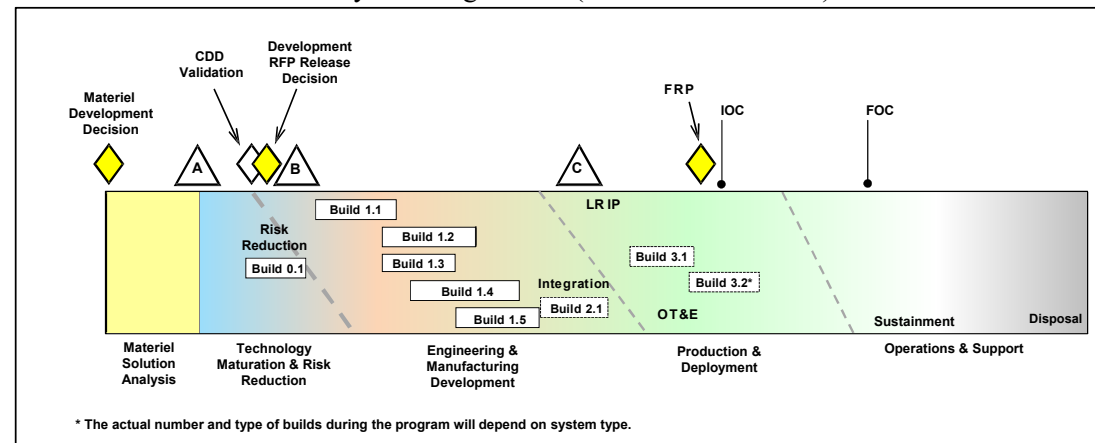
Model 4: Accelerated Acquisition Program



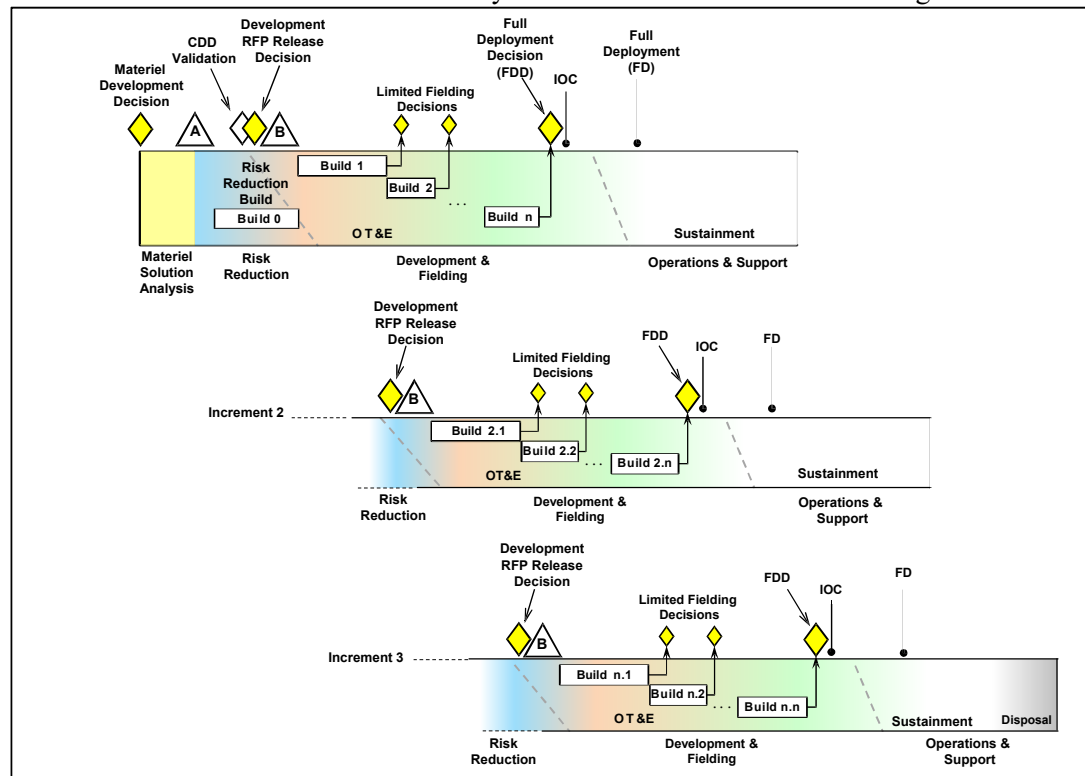
Model 2: Defense Unique Software Intensive Program



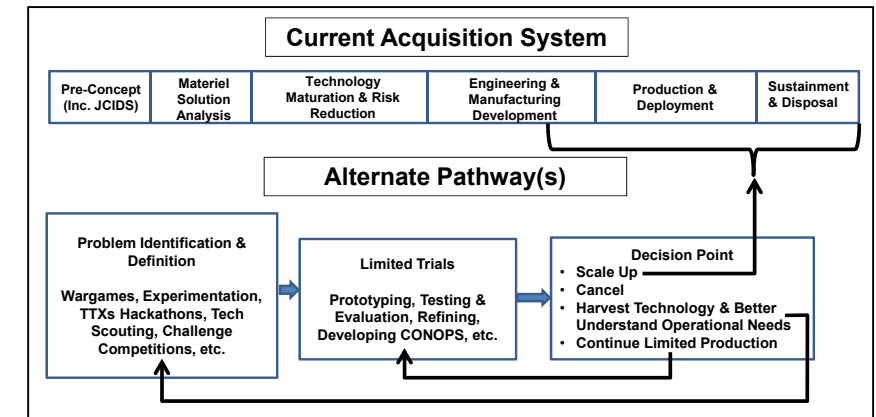
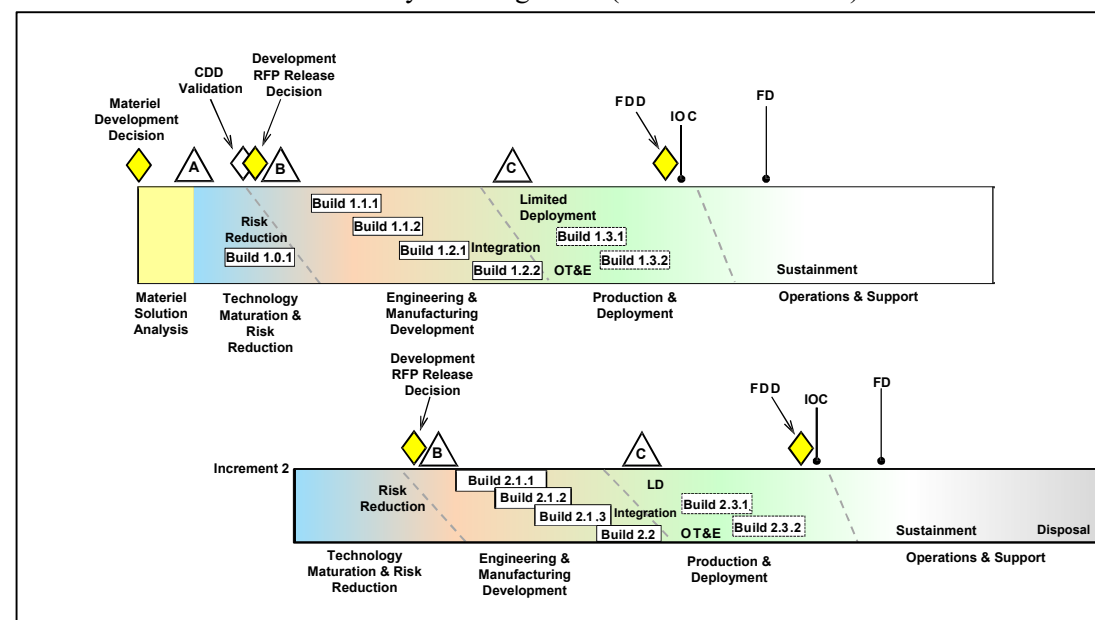
Hybrid Program A (Hardware Dominant)



Model 3: Incrementally Fielded Software Intensive Program



Hybrid Program B (Software Dominant)



The Milestone Documentation Identification (MDID) tool filters statutory and regulatory documentation requirements by milestone or decision point and program ACAT level. Access the MDID tool at [https://www.dau.mil/tools/t/Milestone-Document-Identification-Tool-\(MDID\)-](https://www.dau.mil/tools/t/Milestone-Document-Identification-Tool-(MDID)-)

The Defense Acquisition Guidebook (DAG) is designed to complement those policy documents by providing the acquisition workforce with discretionary best practices that should be tailored to the needs of each program. Access the DAG at <https://www.dau.mil/tools/t/Defense-Acquisition-Guidebook>

DAU's Service Acquisition Mall (SAM) is intended to help you get your job done by providing usable tools and templates to create your performance-based service acquisition requirements. Access the SAM at <https://www.dau.mil/tools/t/Service-Acquisition-Mall>

The DAU Provision Clause Matrix tool provides guidance on the use of all provisions and clauses contained in the Federal Acquisition Regulation (FAR), and Defense Federal Acquisition Regulation Supplement (DFARS). Access the Provision Clause Matrix at <https://www.dau.mil/tools/t/FAR,-DFARS,-VAAR,-DEAR-Provision-and-Clause-Matrix>

The Integrated Product Support (IPS) Roadmap tool maps the IPS elements across the acquisition lifecycle. Access the IPS roadmap at : [https://www.dau.mil/tools/t/DoD-Integrated-Product-Support-\(IPS\)-Implementation-Roadmap](https://www.dau.mil/tools/t/DoD-Integrated-Product-Support-(IPS)-Implementation-Roadmap)

Access the interactive version of this chart at <https://www.dau.mil/tools/t/ILC>

[DoDI 5000.02](#)

**Back**

