

# Middle Tier Acquisition and Other Rapid Acquisition Pathways

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<https://aida.mitre.org/rapid-acquisition-pathways/>

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# Purpose / Outline

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**To provide an overview of rapid acquisition pathways made available by recent National Defense Authorization Acts (NDAA's)**

- **Section 804 Middle Tier – Rapid Prototyping and Rapid Fielding**
- **Section 806 – Development, Prototyping, Deployment of Weapon System Components**
- **DODI 5000.02 Tailoring and Accelerated Acquisition Model 4**
- **DODI 5000.02 Enclosure 13 Urgent Capability Acquisition**
- **FAR Direction**

# Rapid Acquisition Pathways

	<b>Section 804 Middle Tier Acquisition</b>	<b>Section 806 Weapon System Component Prototypes</b>	<b>DODI 5000.02 Model 4 Accelerated Acquisition</b>	<b>DODI 5000.02 Enclosure 13 Urgent Capability Acquisition</b>
<b>Summary</b>	Rapid Prototyping and Rapid Fielding	SAE selected most promising prototype	Aggressively tailor when schedule is king	Fulfill urgent operational needs
<b>Requirement</b>	"Approved requirement" Exempt from JCIDS		JCIDS	UON, JUON, or JEON by CCDR or VCJCS
<b>Timelines</b>	Field <5 years; Production start < 6 months	Complete within 2 years	None	Field within 2 years
<b>Funding Limit</b>	None	\$10M or \$50M if Secretary approve	None	Below ACAT I and IA
<b>Other Factors</b>	Exempt from 5000 PM reports to SAE	Budgeted separate from PoR	MDAPs have statutory requirements that limit speed	No JCIDS once initial doc signed

# Section 804 Middle Tier of Acquisition

FY16 NDAA Section 804

## Rapid Prototyping

- Use innovative technology to rapidly develop fieldable prototypes to demonstrate new capabilities, meet emerging military needs
- Field a prototype demonstrated in an operational environment
- Residual operational capability within **5 years** of requirement

## Rapid Fielding

- Use proven technologies to field production quantities of new or upgraded systems with minimal development
- Begin production within **6 months**
- Complete fielding within **5 years** of requirement

# Section 804 Overarching Guidance

- **Guidance required shall provide for a streamlined and coordinated requirements, budget, and acquisition process**
  - Develop an approved requirement for each program in a period of not more than **6 months** from the process initiation
- **Shall not be subject to JCIDS and DODD 5000.01**
- **DoD Rapid Prototyping Fund**
  - For acquisition programs under the rapid prototyping pathway
  - Consist of appropriated funds and those credited by section 828
  - Managed by a senior DoD official designed by AT&L
  - Shall notify the congressional defense committees of all transfers

# 804 Roles for “Defense Streamlined Program”

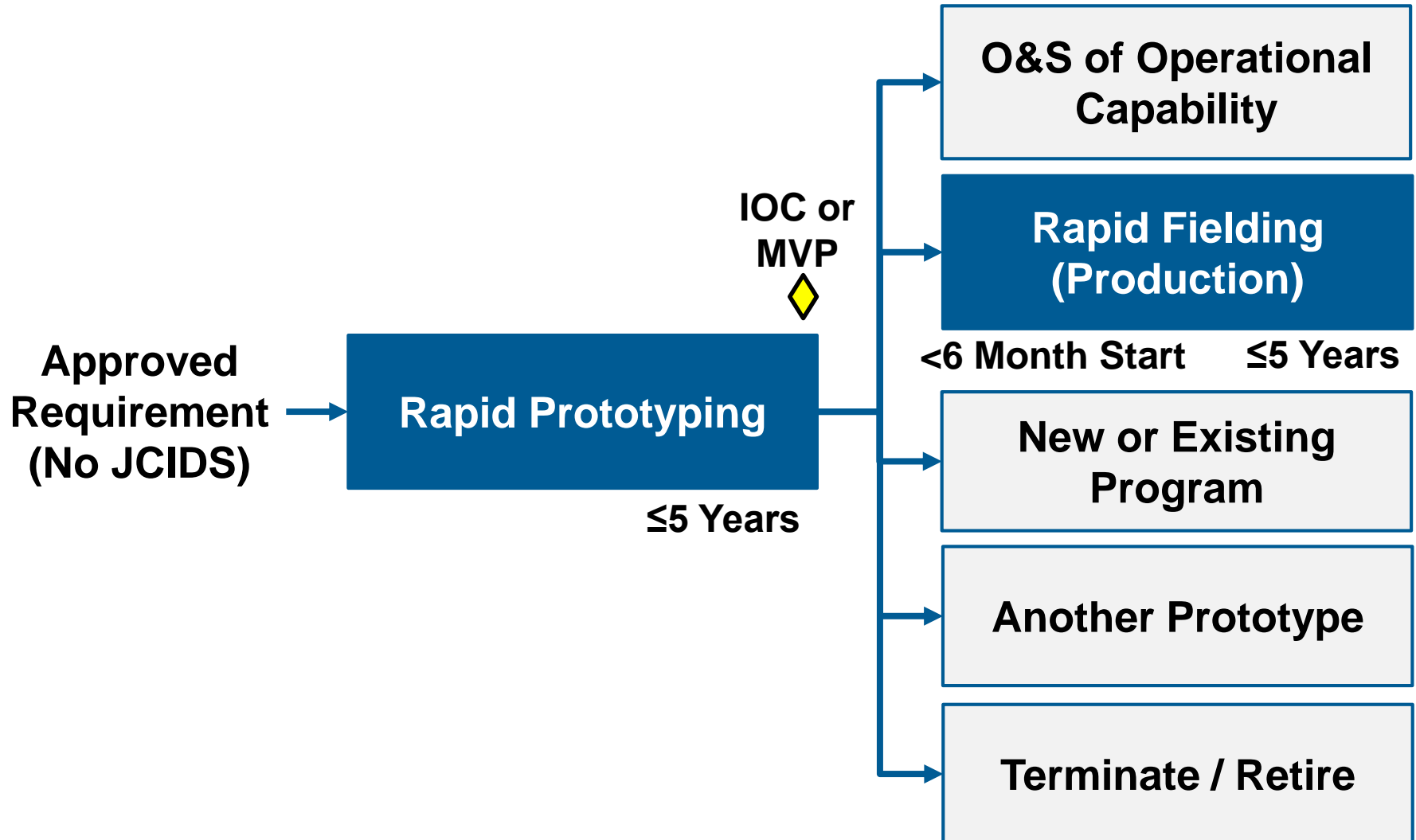
## ■ SAE

- SAE is MDA (in coordination with AT&L)
- Shall appoint PM and evaluate PM job performance annually

## ■ Program Manager

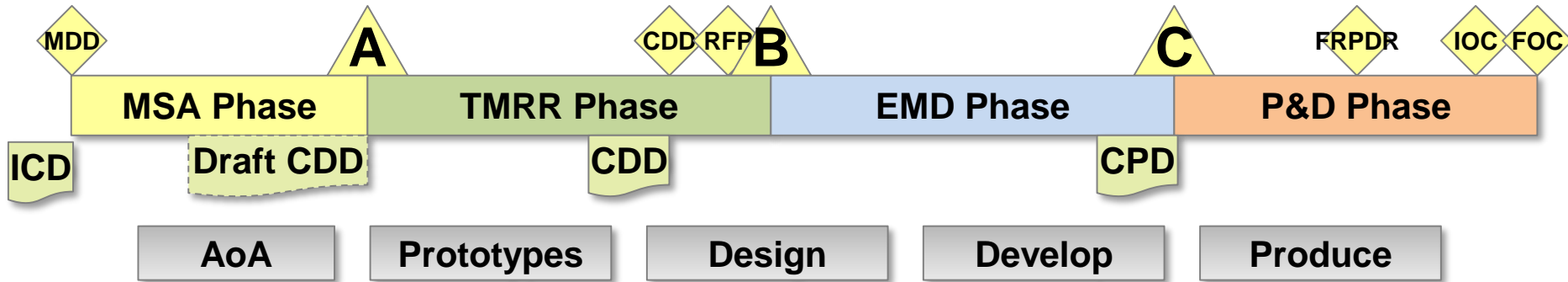
- Shall report directly to the SAE
- Authorized to staff positions to manage the program without another organization to the maximum extent practicable
- Authorized to make cost, schedule, requirements trade-offs in coordination with the users and testers
- Expeditiously seek Congressional waiver from any statutory or regulatory requirement they determine add little/no value to program

# Potential 804 Rapid Pathways

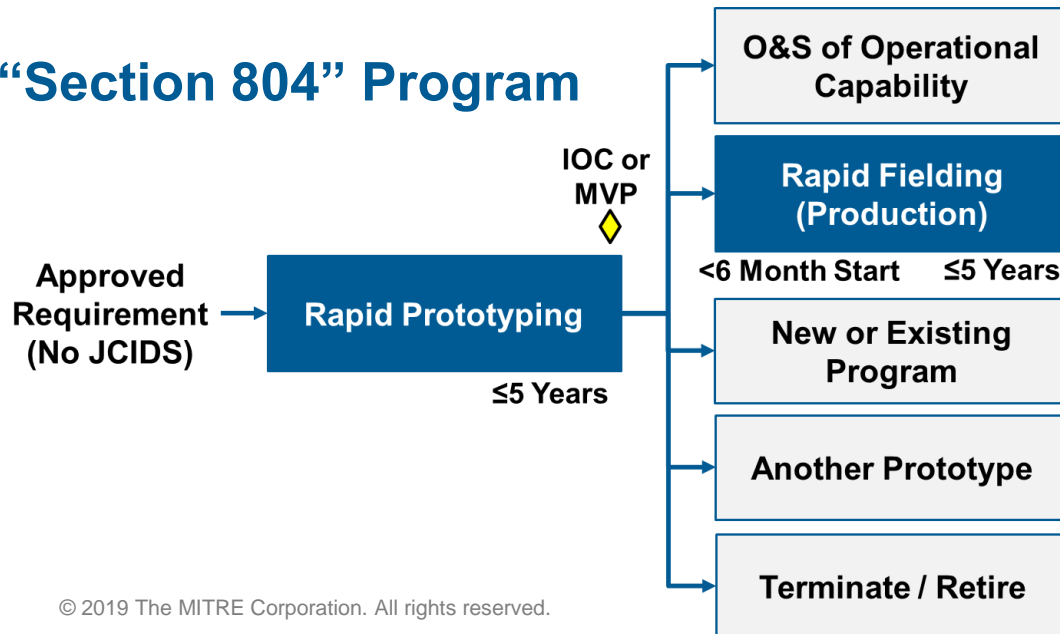


# Traditional Program vs 804 Rapid Program

## Traditional “5000” Program



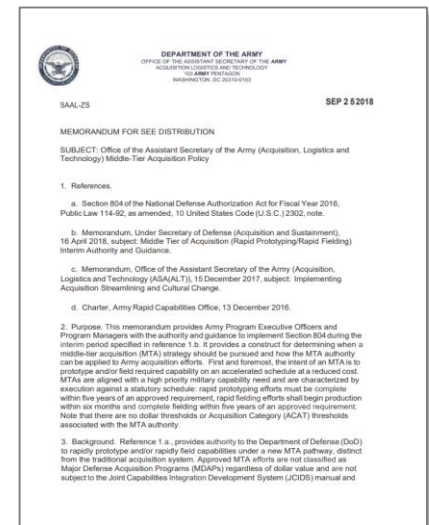
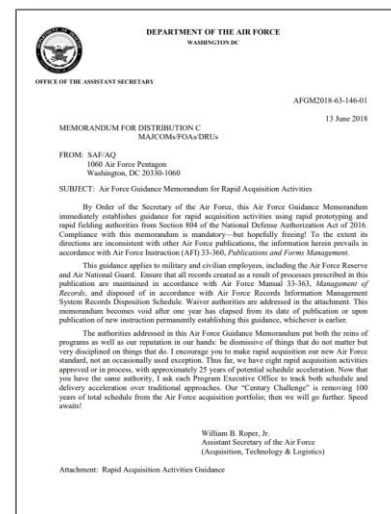
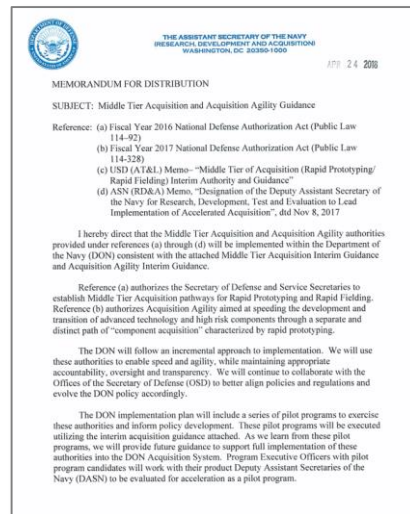
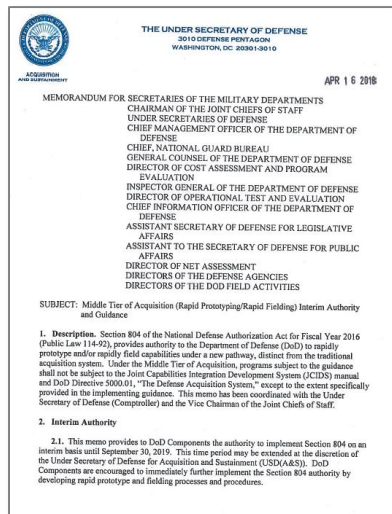
## “Section 804” Program





# USD(A&S) and SAEs Issue Policy Memos on Middle Tier Acquisition

- A&S provided Services interim authority to implement 804
- Develop rapid prototyping and fielding processes, procedures
- Requires collection of key data on programs
- A&S, Components collaborating on new 804 policy in early 2019



# 806: Development, Prototyping, Deployment of Weapon System Components or Tech (1)

FY17 NDAA Section 806

**Projects selected by the SAE as being one of the most promising, innovative, and cost-effective prototypes that is expected to be successfully demonstrated in a relevant environment**

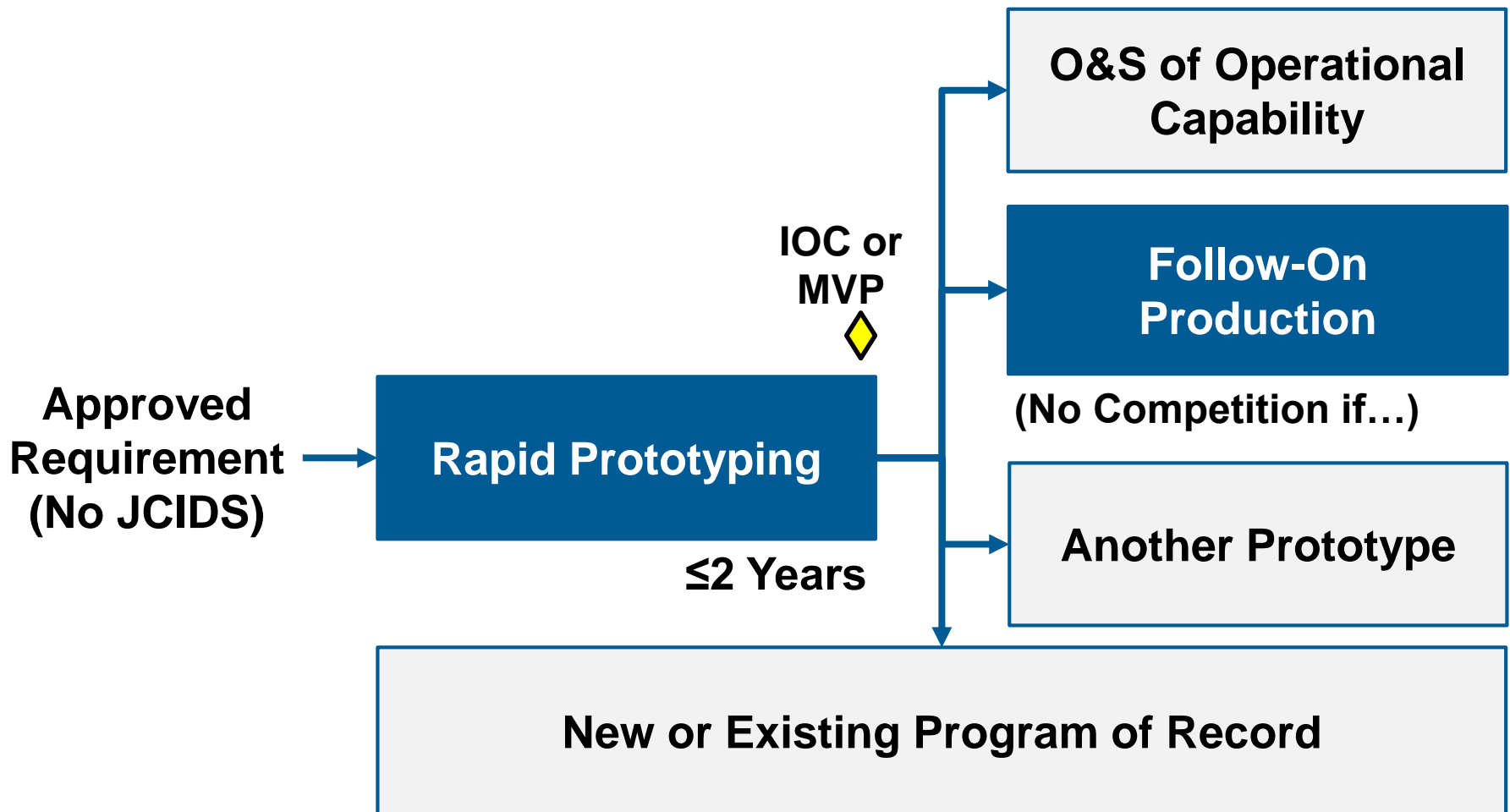
- **Must be completed within 2 years**
- **Limited to \$10M**
  - Could be funded up to **\$50M** if Secretary approved, Congress notified
- **Prototypes shall be funded through contracts, cooperative agreements, or OTAs**
  - Prototypes can be budgeted separately from a PoR and excluded from MDAP costs
- **Exempt from JCIDS**

# 806: Development, Prototyping, Deployment of Weapon System Components or Tech (2)

FY17 NDAA Section 806

- **SAE may select the project for follow-on production contract or OT without competition if**
  - Addresses a high priority warfighter need or reduces the costs of a weapon system
  - Competitive procedures were used for the selection of parties for participation in the original prototype project
  - Participants in the original prototype project successfully completed the requirements of the project; and
  - Prototype of the system to be procured was demonstrated in a relevant environment.
  
- **Each Service Secretary will establish an oversight board or group of senior advisors to manage prototype projects**

# Potential Section 806 Pathways



# Acquisition Tailoring in DODI 5000.02

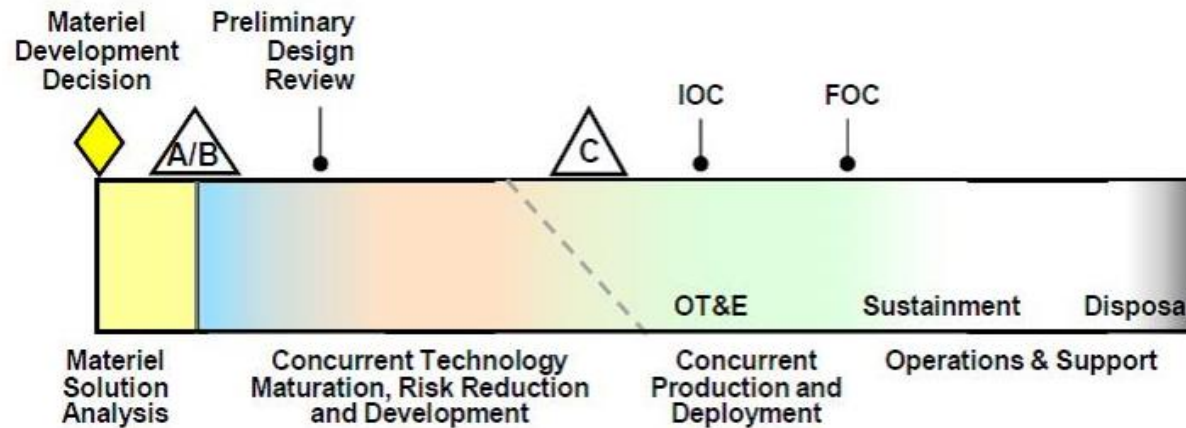
*“The **structure** of a DoD acquisition program and the **procedures** used should be **tailored as much as possible** to the characteristics of the product being acquired, and to the totality of circumstances associated with the program including operational urgency and risk factors.”*

*“MDAs will tailor*

- *program strategies and oversight including*
- *program information*
- *acquisition phase content*
- *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 ”*

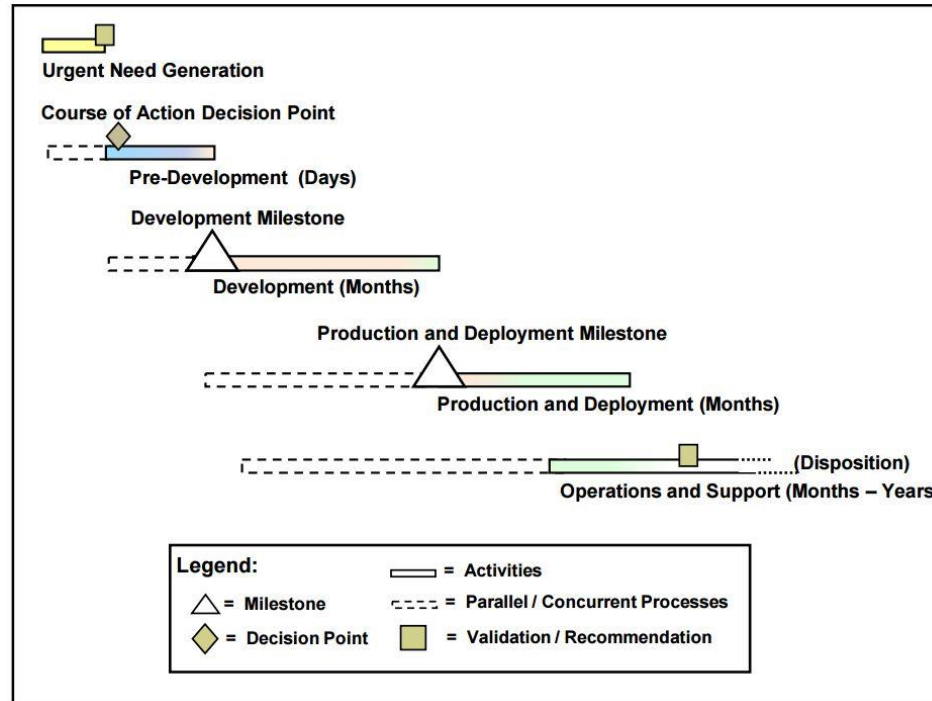
# DODI 5000.02 Model 4: Accelerated Acquisition



- When schedule considerations dominate over cost and technical risk.
- Compresses or eliminates phases of the process and accepts the potential for inefficiencies in order to deploy capability on a compressed schedule.
- The model shows one example of tailoring for accelerated acquisition and many others are possible.
- This type of structure is used when technological surprise by a potential adversary necessitates a higher-risk acquisition program.

# DODI 5000.02 Enclosure 13

## Urgent Capability Acquisition



- Provide capabilities to fulfill urgent operational needs and other quick reaction capabilities that can be fielded in **less than 2 years** and are below the cost thresholds of ACAT I and IA programs.
- UON, JUON, JEON
- Exempt from JCIDS

# FAR Direction – Simple

- Agencies shall use simplified acquisition procedures to **the maximum extent practicable** for all purchases of supplies or services not exceeding the simplified acquisition threshold. –[FAR 13.003](#)





# FAR Direction – Innovative

- The System should also, however, **encourage innovation**, and local adaptation where uniformity is not essential. – [FAR 1.102-2\(b\)\(2\)](#)
- The contracting process shall be used to encourage the **best sources** from the scientific and industrial community to become involved... and must provide an environment in which the work can be pursued with reasonable flexibility and **minimum administrative burden**.  
– [FAR 35.002](#)

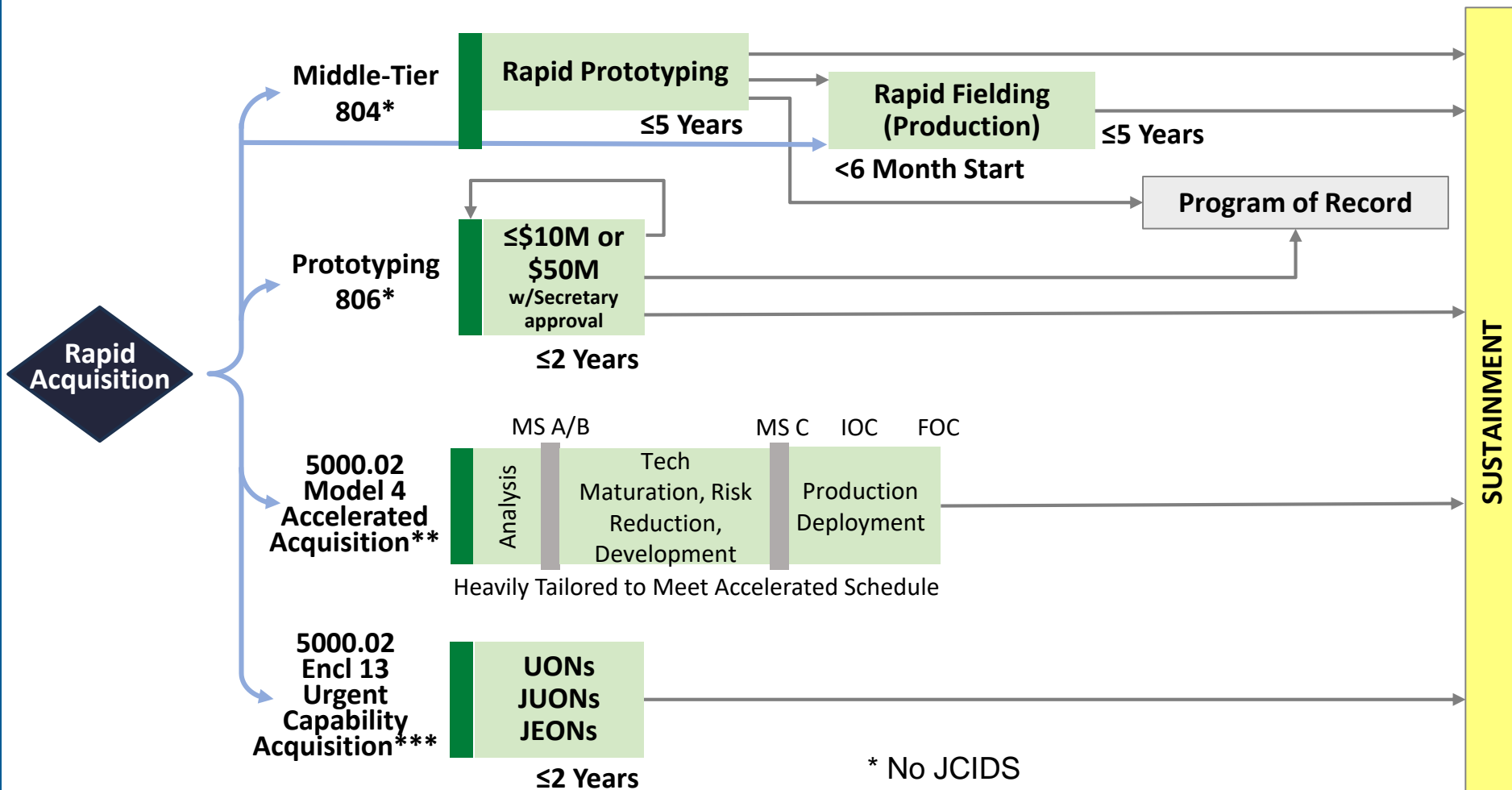


# FAR Direction – Modular

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- Modular contracting is intended to **reduce program risk** and to incentivize contractor performance while meeting the government's need for **timely** access to rapidly changing technology...
- Agencies should, **to the maximum extent practicable, use modular contracting** to acquire major systems (see [2.101](#)) of IT.
- Agencies may also use modular contracting to acquire non-major systems of IT. –[FAR 39.103](#)

# Rapid Acquisition Pathways



\* No JCIDS

\*\* JCIDS

\*\*\* UON signed by CCDR/VCJCS



# Rapid Acquisition Pathways and Middle-Tier Acquisition on AiDA

## Rapid Acquisition Pathways

Acquisition professionals have multiple rapid acquisition pathways to deliver capabilities.

### Section 804 Middle Tier Acquisition

- Field a prototype in an operational environment within 5 years
- Field production quantities with min development within 5 years

### Section 806 Weapon System Prototype

- SAE's most promising, innovative, and cost-effective prototypes
- Deliver within 2 years, <\$10M (or \$50M w/Secretary approval)

### Accelerated Acquisition

- When schedule dominate, aggressively tailor 5000 (see Model 4)
- Use when technology surprise by an adversary drives risk taking

### Urgent Capability Acquisition

- Fulfill urgent operational needs within 2 years, below ACAT I
- JUONs, UONs, JEONs via 5000.02 Enclosure 13

**OSD and Service Implementation policies, legislative language**

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