Middle Tier Acquisition and Other Rapid Acquisition Pathways

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https://aida.mitre.org/rapid-acquisition-pathways/
Purpose / Outline

To provide an overview of rapid acquisition pathways made available by recent National Defense Authorization Acts (NDAAAs)

- 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

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

**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

[https://aida.mitre.org/middle-tier/](https://aida.mitre.org/middle-tier/)
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

https://aida.mitre.org/middle-tier/
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

https://aida.mitre.org/middle-tier/
Potential 804 Rapid Pathways

Approved Requirement (No JCIDS) → Rapid Prototyping ≤5 Years

IOC or MVP

O&S of Operational Capability
≤5 Years

Rapid Fielding (Production) <6 Month Start

New or Existing Program

Another Prototype

Terminate / Retire

https://aida.mitre.org/middle-tier/
Traditional Program vs 804 Rapid Program

Traditional “5000” Program

- MDD
- A
- MSA Phase
- CDD
- Draft CDD
- ICD
- AoA
- Prototypes

TMRR Phase

- B
- CDD
- Design
- Develop
- Produce

EMD Phase

- C
- CPD

P&D Phase

“Section 804” Program

- Approved Requirement (No JCIDS)
- Rapid Prototyping
- ≤5 Years
- IOC or MVP
- O&S of Operational Capability
- ≤5 Years
- Rapid Fielding (Production)
- <6 Month Start

- New or Existing Program
- Another Prototype
- Terminate / Retire

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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

https://aida.mitre.org/middle-tier/references/
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

https://aida.mitre.org/weapon-system-prototyping/
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

https://aida.mitre.org/weapon-system-prototyping/
Potential Section 806 Pathways

Approved Requirement (No JCIDS) → Rapid Prototyping ≤2 Years

- IOC or MVP
- Follow-On Production (No Competition if...)
- Another Prototype
- O&S of Operational Capability

New or Existing Program of Record

https://aida.mitre.org/weapon-system-prototyping/
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.

[https://aida.mitre.org/dodi-5000/procedures/#accelerated](https://aida.mitre.org/dodi-5000/procedures/#accelerated)
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

[https://aida.mitre.org/dodi-5000/rapid-fielding-of-capabilities/](https://aida.mitre.org/dodi-5000/rapid-fielding-of-capabilities/)
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

- 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

**Middle-Tier 804***
- Rapid Prototyping
  - ≤5 Years
  - ≤2 Years
- Prototyping 806*
- 5000.02 Model 4 Accelerated Acquisition**
  - ≤$10M or $50M w/Secretary approval
- 5000.02 Encl 13 Urgent Capability Acquisition***
  - ≤2 Years

**Rapid Prototyping**
- ≤5 Years
  - <6 Month Start
  - Program of Record

**Rapid Fielding (Production)**
- ≤5 Years
  - ≤2 Years

**SUSTAINMENT**
- Analysis
  - Tech Maturation, Risk Reduction, Development
- Production Deployment

- UONs
- JUONs
- JEONs

* 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, JEOS via 5000.02 Enclosure 13

OSD and Service Implementation policies, legislative language

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