

DAU



DOD Adaptive Acquisition Framework (AAF)

Lynne Giordano

703-626-7703 - Lynne.Giordano@dau.edu

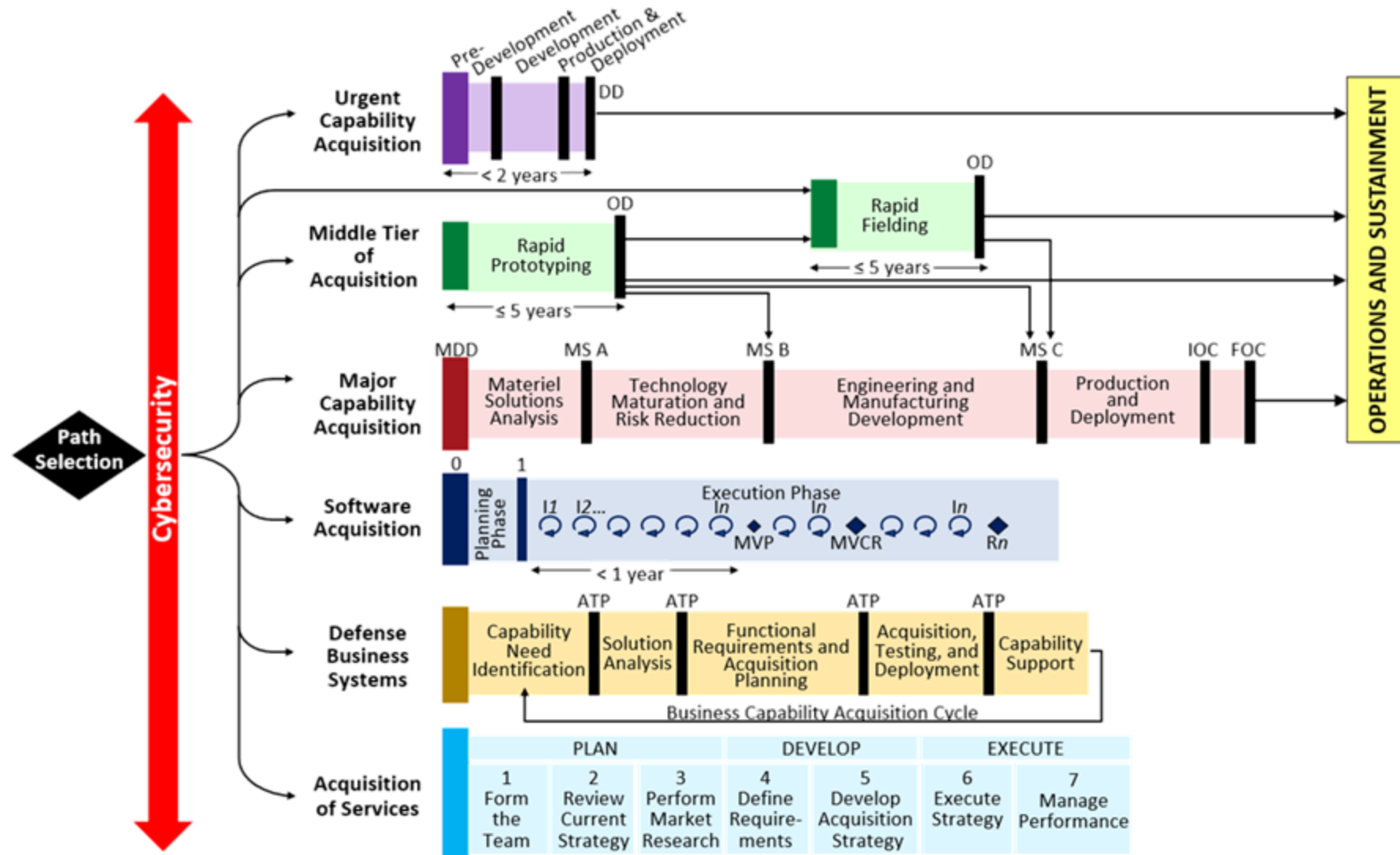
Defense Systems Management College

March 2024

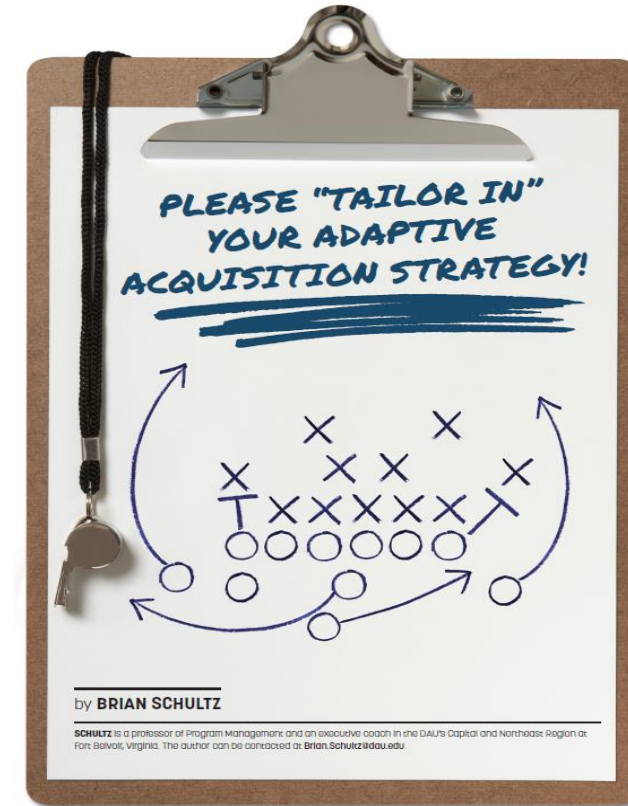
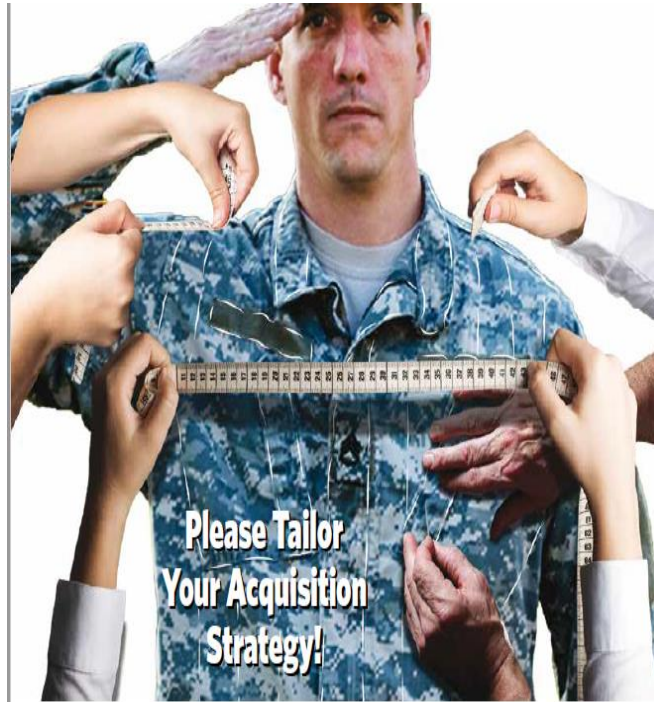
Agenda - Acquisition Today and in the Future

- Adaptive Acquisition Framework (AAF)
- Integrated Acquisition Portfolio Reviews (IAPRs)
- Tools and Data

Adaptive Acquisition Framework Pathways



From Tailoring-Out to Tailoring-In



Tailoring to deliver capabilities at speed and scale

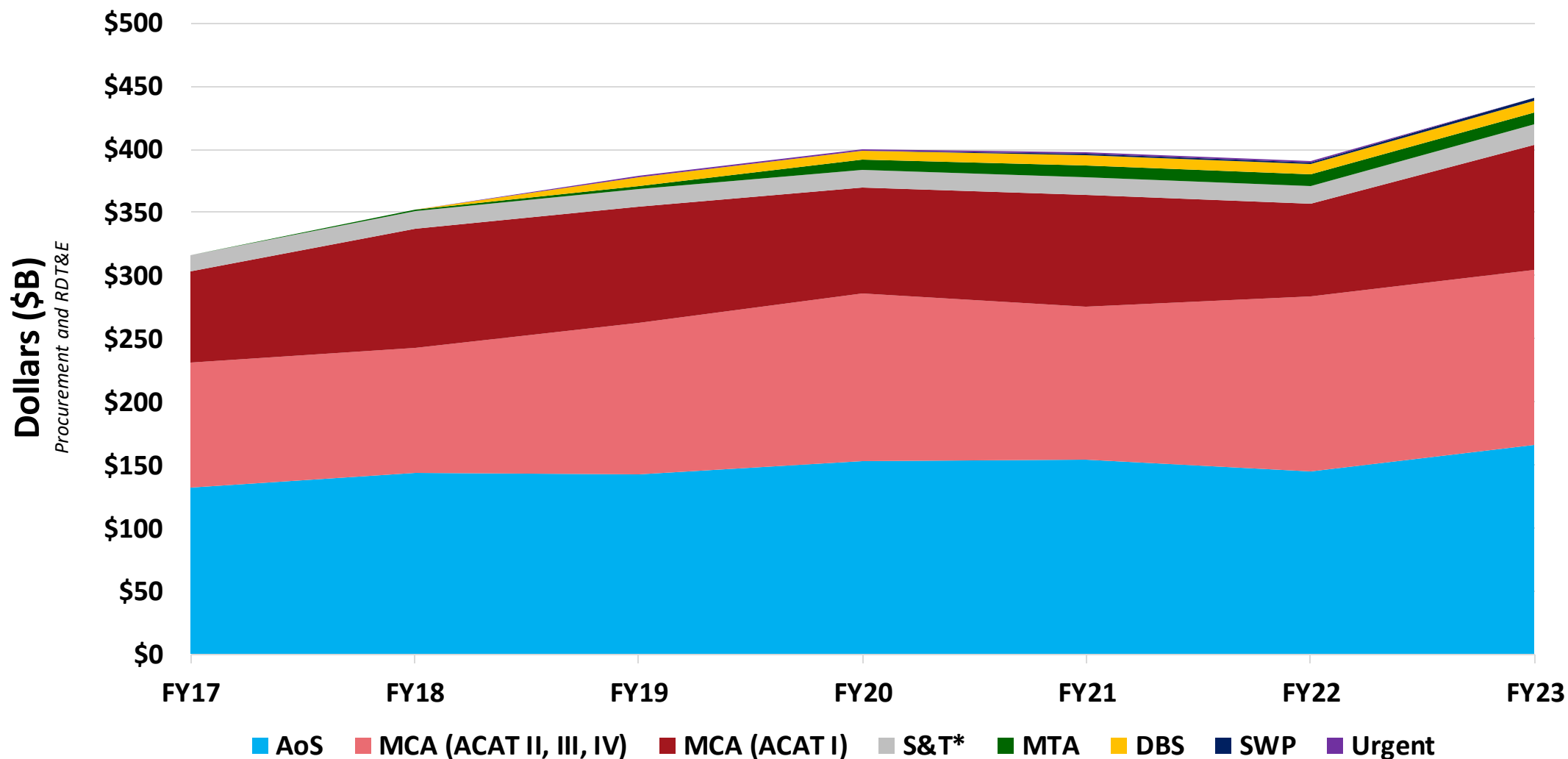
<https://www.dau.edu/datl/b/please-tailor-your-adaptive-acquisition-strategy>

Acquisition Costs by Pathway

A & S

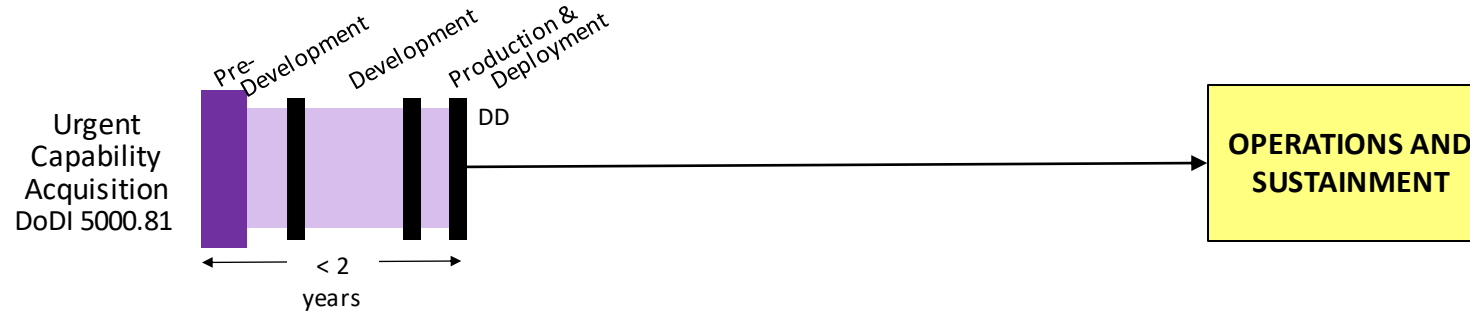


AAF Pathway Funding FY17 - FY23



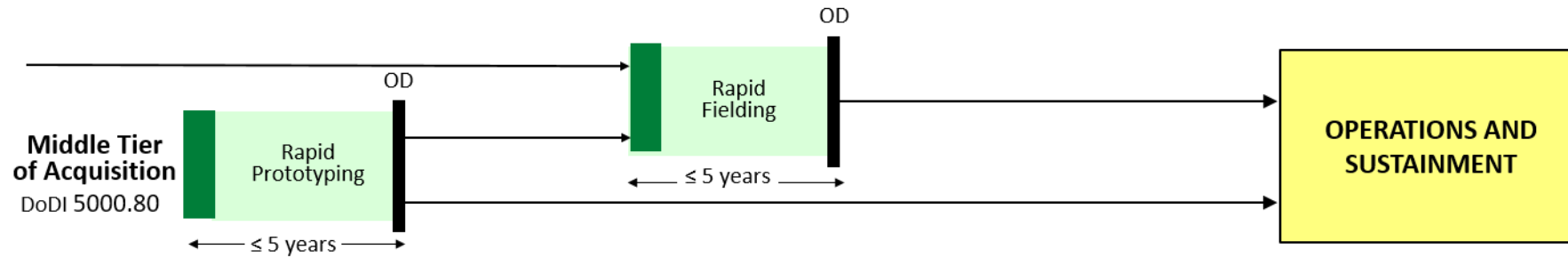
* Includes S&T funding that cannot be attributed to a specific program defined in one of the AAF pathways. S&T consists of RDT&E money made up of Budget Activities (BAs) 6.1 Basic Research, 6.2 Applied Research, and 6.3 Advanced Technology Development. The total minimum S&T spend per year is usually set at a minimum by each Administration.

Urgent Capability Acquisition Pathway



- **Purpose:** To field capabilities to fulfill urgent operational needs or other quick reaction capabilities in less than 2 years.
- **Characteristics**
 - Urgent Operational Needs (UONs) and other Quick Reaction Capabilities (QRCs) are identified and approved for resolution by designated authorities.
 - The estimated cost must not exceed \$525 million in research, development, and test and evaluation, or \$3.065 billion procurement in Fiscal Year 2020 constant dollars.
 - The acquisition processes, reviews, and documents are aggressively streamlined due to operational urgency.
 - The goal is to plan for the capability in a few weeks with development and production measured in months.

Middle Tier of Acquisition (MTA) Pathway



- **Purpose:** To rapidly develop fieldable prototypes to demonstrate new capabilities and/or rapidly field production quantities of systems with proven technologies that require minimal development.
- **Characteristics**
 - Rapid Prototyping
 - Field a prototype that can be demonstrated in an operational environment
 - Provide for residual operational capability within **5 years** of an approved requirement
 - Rapid Fielding
 - Begin production within 6 months
 - Complete fielding within **5 years** of an approved requirement

Middle Tier of Acquisition (MTA)

A & S



The MTA is intended to fill a gap in the Defense Acquisition System for capabilities that have a level of maturity to allow them to be rapidly prototyped within an acquisition program or fielded **within five years**.

Pathway

- Enables flexibility to execute program while simultaneously developing documentation
- May be used to accelerate capability maturation before transitioning pathways
- Rapid Prototyping:** Demonstrate new capabilities in less than five years
- Rapid Fielding:** Delivery at scale of proven tech requiring minimal development in less than five years; first delivery < 6 months

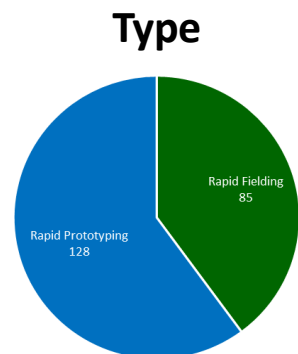
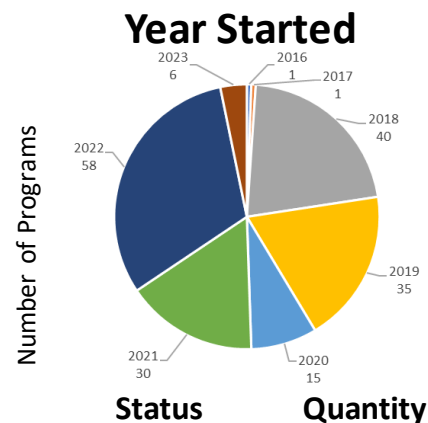
Process

- CAEs oversee component MTAs
- Requires two bi-annual Program Identification Data updates (PB, POM/BES)
- Programs exceeding MDAP dollar thresholds require written approval from USD(A&S)
- Can be combined or transitioned to other pathway at completion
- Cost, schedule, and performance in Advana

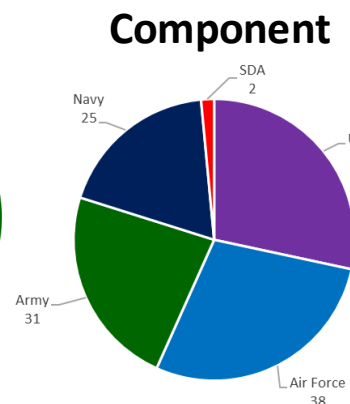
To-Date

Since guidance published (30-Dec-19)

Programs **213** Total Spend **\$34.3B**



Active Programs **134**

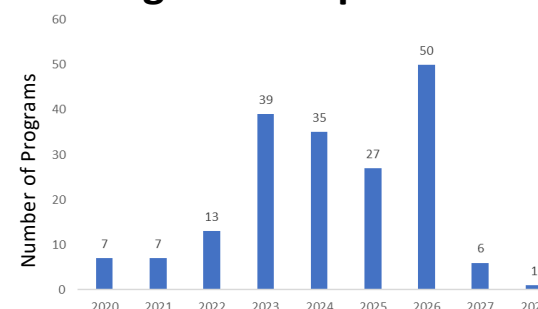


Current

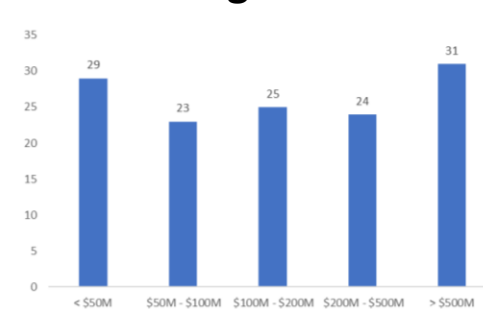
PB24 FYDP **\$41.2B**

Component	FYDP (\$B)
Army	7.6
DAF	14.5
DoN	4.2
SOCCOM	5.6
SDA	9.3
TOTAL	41.2

Program Completions



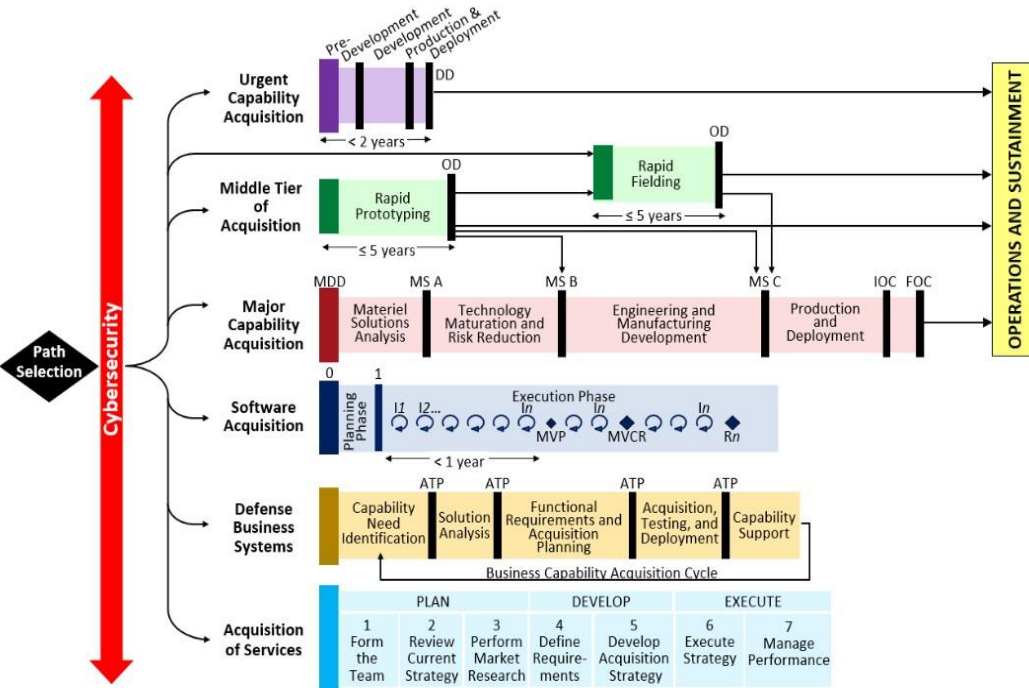
Budget Size



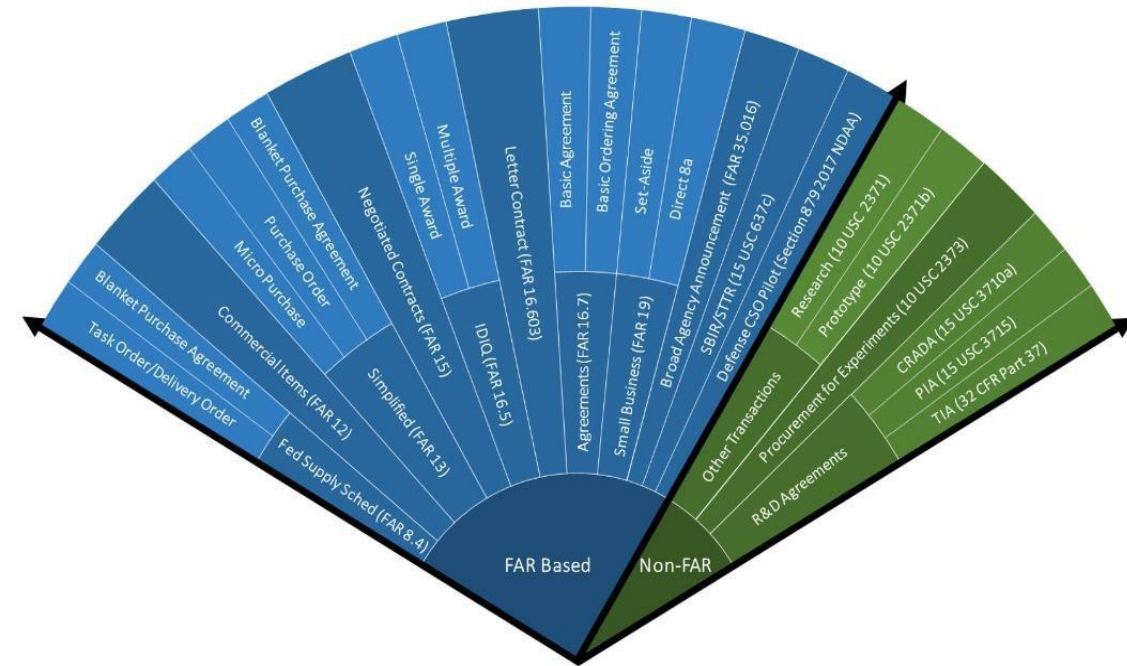
Delivering capability at the speed of relevance for the high-end fight

Middle Tier of Acquisition (MTA) and Other Transaction Authority (OTA)

Acquisition Pathway



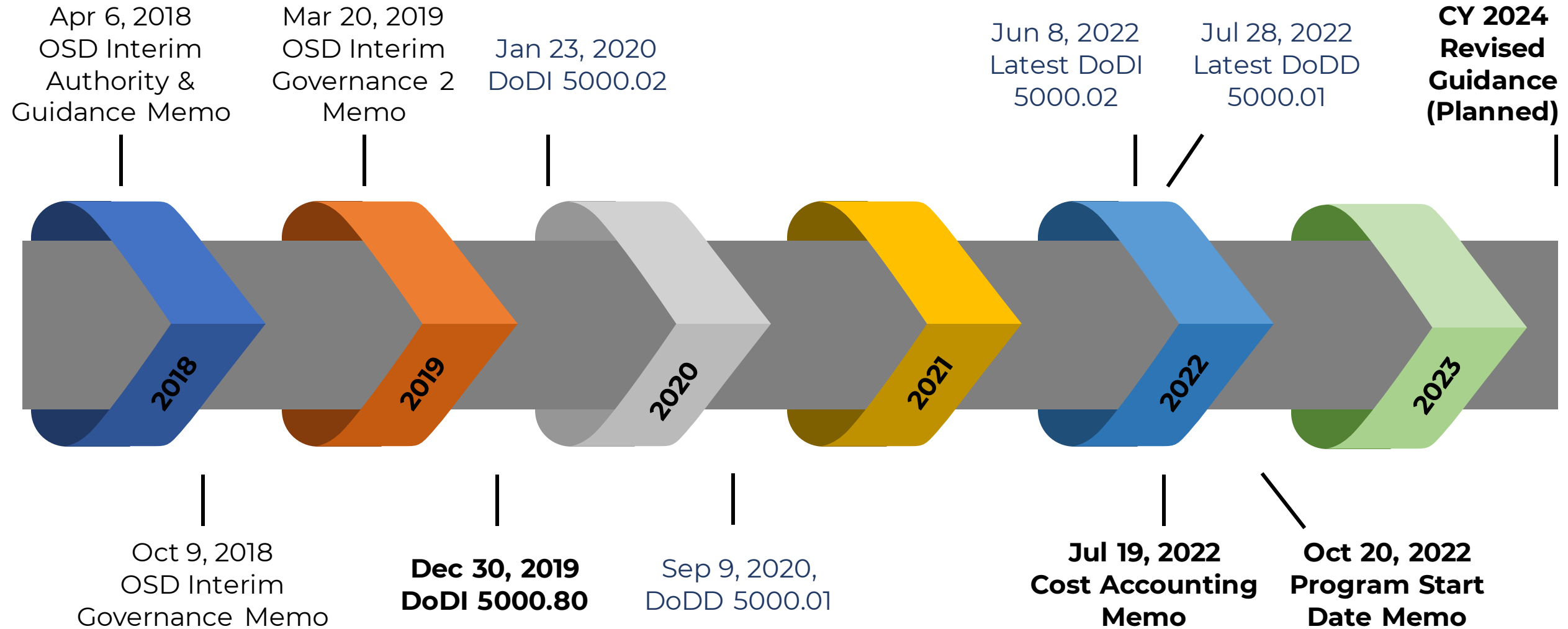
“Contracting” Approach



<https://aaf.dau.edu/aaf/aaf-pathways/>

<https://aaf.dau.edu/aaf/contracting-cone/>

MTA Policy Evolution



Middle Tier of Acquisition

- OSD Reporting
 - Program documentation
 - Program Identification Data (PID) updated semi-annually
- Congressional Reporting
 - Required for MDAP size systems
 - Notification of terminated programs
 - OTA and MTA Usage
- OSD Reviews
 - MTA Advisory Board (Thunderdome)
 - Semi-Annual reviews

	Major System ¹	Non-Major System ²
Rapid Prototyping	<ul style="list-style-type: none">• ADM signed by the DA• Approved Requirement³• Acquisition Strategy⁴• Cost Estimate	<ul style="list-style-type: none">• ADM signed by the DA
Rapid Fielding	<ul style="list-style-type: none">• ADM signed by the DA• Approved Requirement³• Acquisition Strategy⁵• Cost Estimate• Lifecycle sustainment plan	<ul style="list-style-type: none">• ADM signed by the DA

¹. Above threshold as defined pursuant to Section 2302d of Title 10, U.S.C.
². Equal to or below threshold as defined pursuant to Section 2302d of Title 10, U.S.C.
³. CAEs will ensure the approved requirement document is available in the Knowledge Management and Decision Support system.
⁴. Rapid prototyping acquisition strategies will include security, schedule and technical risks; a test strategy or an assessment of test results; and a transition plan that includes a timeline for completion within 2 years of all necessary documentation required for transition, as determined by the DA, after MTA program start.
⁵. Rapid fielding acquisition strategies will include security, schedule, and production risks; either a test strategy or an assessment of test results; and a transition plan that includes a timeline for completion within 2 years of all necessary documentation required for transition, as determined by the DA, after MTA program start.

Lessons Learned from Current MTA Programs

- **Pursue outcomes not KPPs** – MTA supports changing requirements which requires continual user involvement.
- **Culture is huge hurdle** – True partnering and collaboration across the Services, PEOs, OSD, Industry and your organization is essential.
- **Invest in vendor relationship** – Prototyping approach requires complete alignment between vendor and government.
- **Accept we must constantly check and adjust** - Fail fast, revector, move on.
- **Adaptive capability delivery requires intense discipline** – Rigor in systems engineering and planning is critical.
- **Pause as needed for detailed assessment and planning** – Conduct detailed planning with stakeholders and vendor before entering any phase of prototyping.
- **Deliveries of capabilities must be appropriately scoped** - Capability releases that contain too much content and releases with highly integrated hardware and software add risk to timely delivery.
- **Clean sheet of paper and “Tailoring In” is difficult** - Leverage the Adaptive Acquisition Framework Document Identification (AAFDID).
- **Upfront and early planning for Transition and Sustainment** – Need to start planning from the beginning.
- **Contract type is important** – Selecting the wrong contract type will slow you down.

Major Capability Acquisition (MCA) Pathway



- Purpose: To acquire and modernize military unique programs that provide enduring capability. This pathway is intended for large scale, traditional hardware acquisitions.
- Characteristics
 - Typically follows a structured analysis, design, develop, integrate, test, produce and support approach.
 - Acquisition and product support processes, reviews, and documentation will be tailored based on the program size, complexity, risk, urgency, and other factors.
 - Software intensive components may be acquired via the software acquisition pathway, with the outputs and dependencies integrated with the overall major capability pathway.
 - Mature technology and full funding are critical to a successful MCA program.

Major Capability Acquisition (MCA)

A & S



Acquiring and modernizing military-unique programs that provide enduring capability; this process is designed to support major defense acquisition programs, major systems, and other complex acquisitions.

Pathway

- Structured approach: analysis of alternatives, design, develop, integrate, test, produce, support
- Enhanced by ability to leverage other pathways (i.e., SWP or MTA) in a blended approach for greater speed and quality
- Programs in other pathways may transition to MCA at appropriate milestone decision

Process

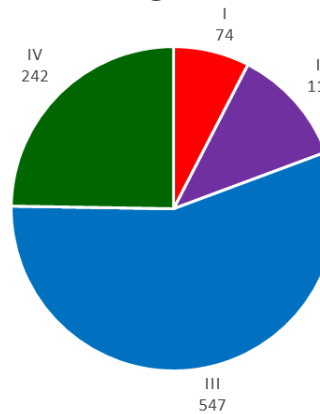
- Acquisition and product support processes, reviews, and documentation tailored based on program size, complexity, risk, urgency
- Programs reviewed at Milestone dates against Acquisition Program Baseline
- SARs required for MDAPs
- FY16 NDAA reduced OSD-level oversight; Services now manage majority of programs

¹Reflects RDT&E and Procurement dollars for select MDAPs only as presented in the FY24 Program Acquisition Costs by Weapon System

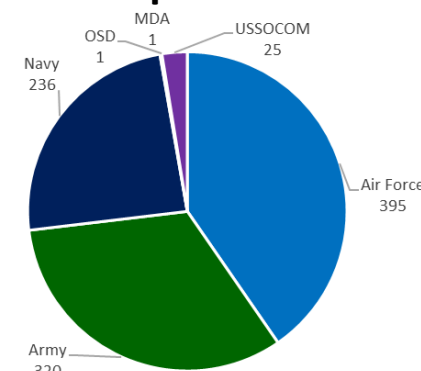
Active Programs

978

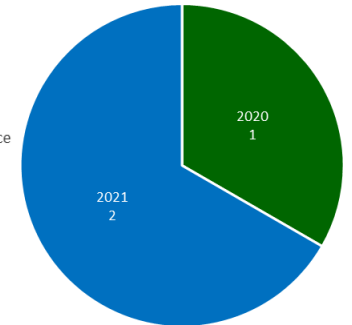
ACAT



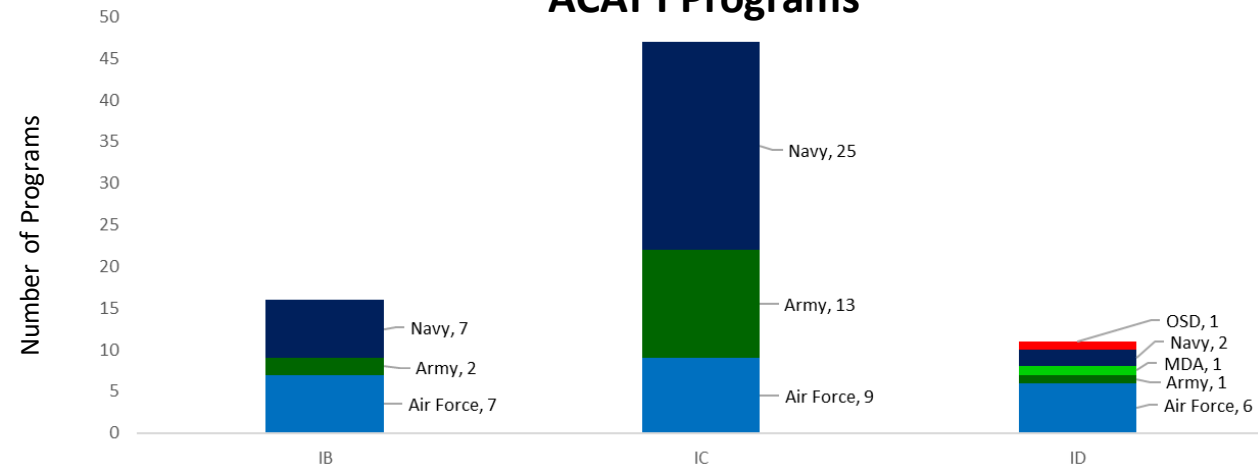
Component



New MDAP Starts



ACAT I Programs



Most frequently used pathway for major weapons systems, dominated by legacy platforms

Major Defense Acquisition Programs (MDAPs)

	IB	IC	ID	Total
Army	2	11	1	14
Navy	8	26	2	36
Air Force	6	6	3	15
Space Force	2	1		3
DoD			1	1
Total	18	44	7	69

MDAP Definition

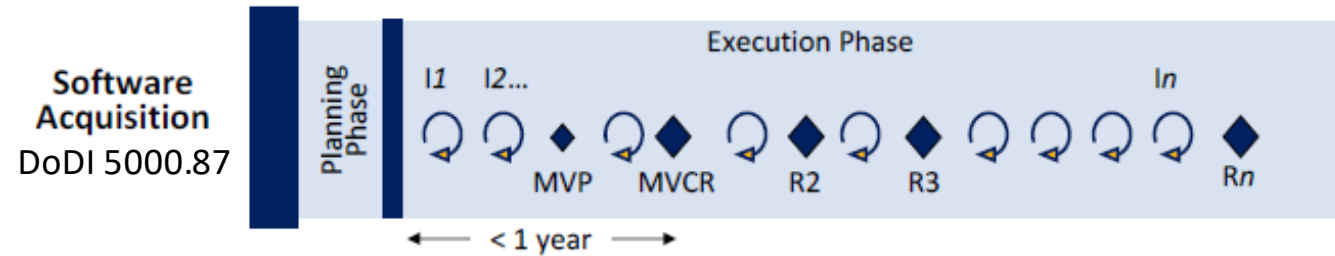
- Research & Development costs > \$525M (BY20 \$), or
- Procurement costs > \$3.06B (BY20 \$), or
- SecDef designation

As of 11 March 2024 DAVE Pull

ACAT ID Programs

- **Army**
 - Integrated Air and Missile Defense (IAMD)
- **Navy**
 - SSBN 826 Columbia Class
 - ***Joint Strike Fighter (F-35)***
- **Air Force**
 - LGM-35A Sentinel (Formerly GBSD)
 - Long Range Stand Off Weapon (LRSO)
 - Presidential Aircraft (VC-25B)
- **DoD**
 - Missile Defense System (MDA)

Software Acquisition Pathway



- **Purpose:** To facilitate rapid and iterative delivery of software capability to the user.
- **Characteristics**
 - Integrates modern iterative software development practices such as Agile or Lean Software Development Methods, and development, security, and operations (DevSecOps).
 - Tightly coupled, mission-focused government-industry software teams leverage automated tools for development, integration, testing, and delivery to iteratively deploy software capabilities to the operational environment.

Applications & Embedded Software

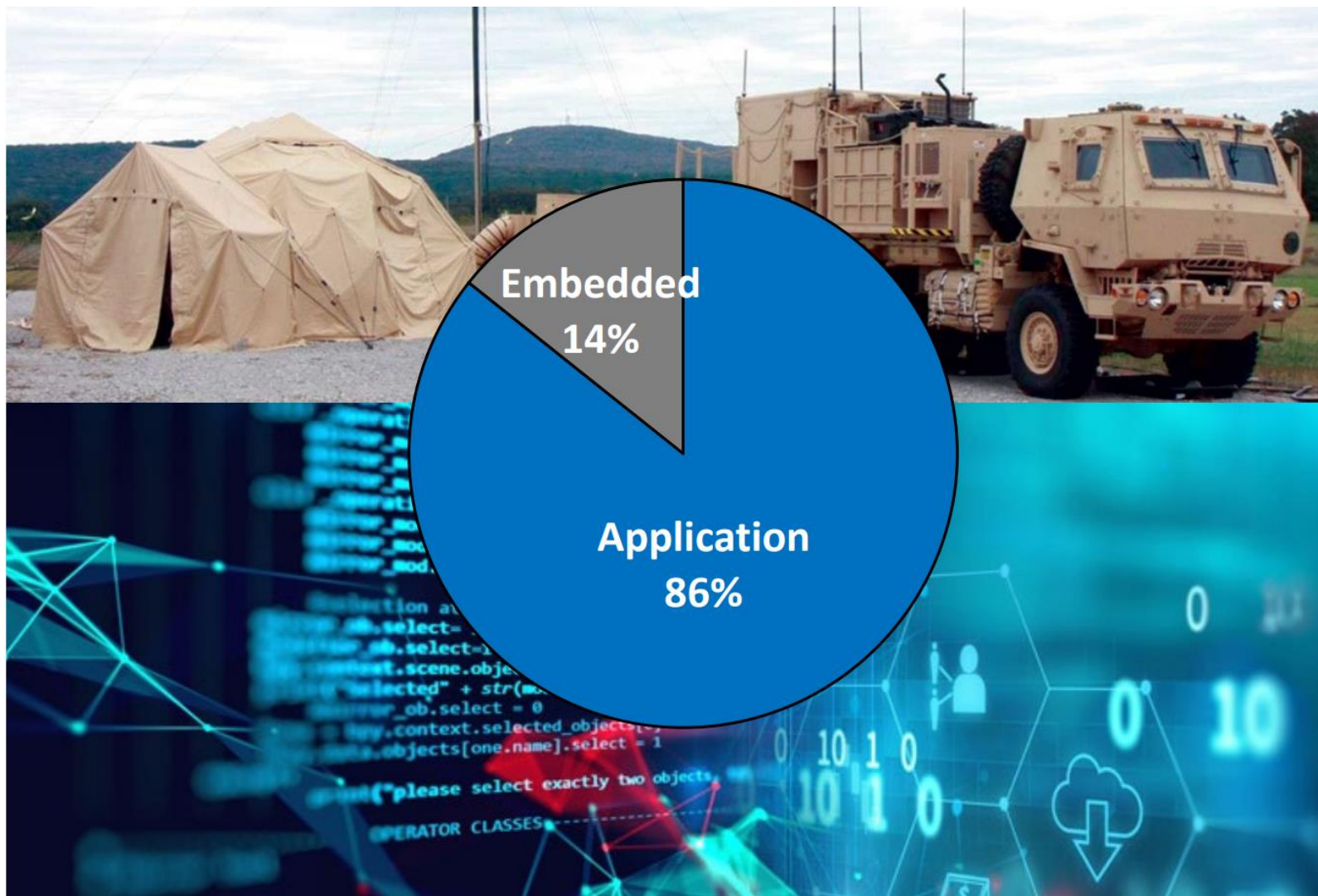
Purpose:

(1) **Applications:** rapid development/deployment of S/W running on commercial H/W, including modified H/W, and cloud computing platforms

(2) **Embedded:** rapid development/deployment and insertion of upgrades and improvements to S/W embedded in weapon systems and other military-unique H/W systems

- Both integrate modern software development practices
- Both expect active user engagement
- Both expect MVP delivery within one year
- Both expect [Annual updates after IOC](#)
- Embedded:
 - The system in which the software is embedded [could be acquired via other acquisition pathways](#) (e.g., [major capability acquisition](#)).
 - Programs using the embedded path--[align the CNS](#) with the [requirements documents](#) of the system(s) the s/w will be embedded
 - [JCIDS documents](#) that transition to the software acquisition pathway [may continue to use them](#) as the basis of requirements [or develop a CNS](#) to capture current, software-unique needs

Application / Embedded

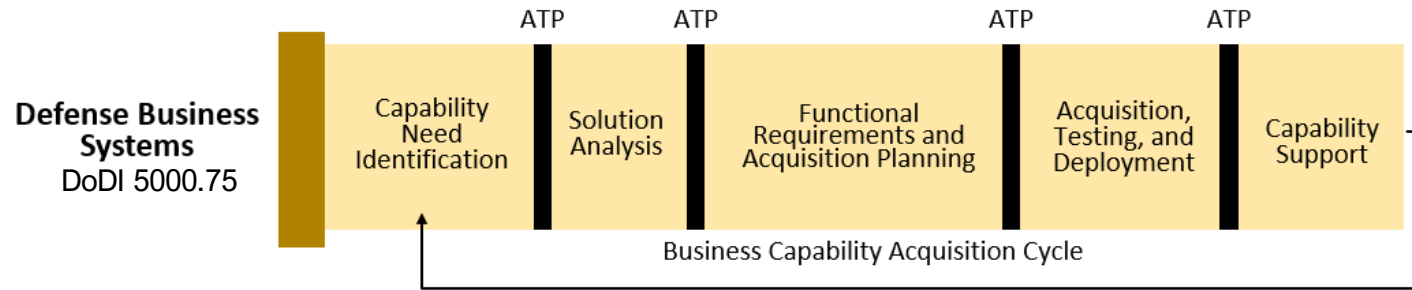


Graphic from
OUSD(A&S)

DAU Observations

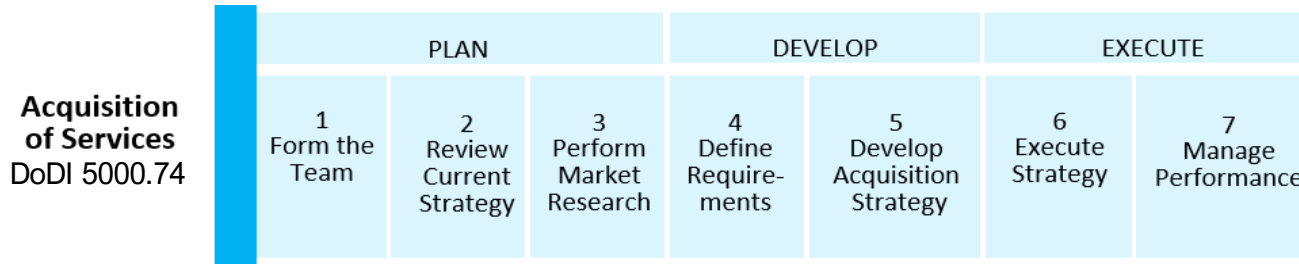
- ❑ DoD programs are challenged by the 1-year Minimum Viable Capability Release
- ❑ Contracting for Agile
- ❑ Intellectual Property strategies
- ❑ Wide interest in the DoDI 5000.87 pathway to accelerate a program
- ❑ PMOs are attracted to the reduced program documentation and milestone approvals
- ❑ PMOs incorrectly assume the software pathway waives IT statutes, such as CCA compliance or funds certification if applying the pathway to a Defense Business System
- ❑ Programs have difficulty transitioning to Agile for various reasons:
 - ❑ Leadership requires same documentation, processes, and oversight as Major Capability Pathway
 - ❑ User and PMO unable to transition from oversight to active team members
 - ❑ Assumption by users that introduction of new or conflicting requirements have no impact
 - ❑ Belief that Agile requires no training, planning, documentation, etc.
- ❑ Supporting roles – Cybersecurity and T&E – challenged by continuous development

Defense Business Systems Pathway



- Purpose: To acquire information systems that support DoD business operations, or non-developmental, software intensive programs that are not business systems.
- Characteristics
 - Assesses the business environment and identifies existing commercial or government solutions that could be adopted to satisfy DoD needs.
 - DoD reviews and revises its business processes to align more closely with commercial or government IT best practices.
 - Customization of a selected information technology (IT) solution is minimal.
 - DoD reduces risk and maximizes benefits by using off-the-shelf software that has been successfully demonstrated in the commercial marketplace.

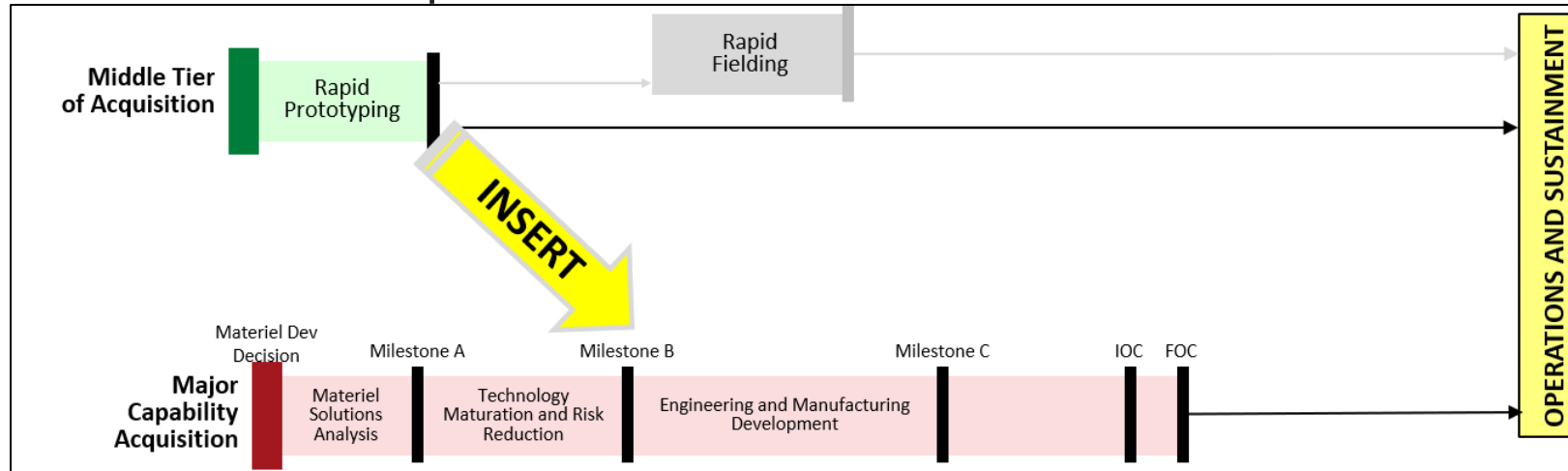
Acquisition of Services Pathway



- Purpose: To acquire services from the private sector to include knowledge-based, construction, electronics and communications, equipment, facilities, logistics, medical, research and development, and transportation.
- Characteristics
 - Identify the required services, research the potential contractors, contract for the services, and manage performance.
 - The pathway employs a seven-step process that is broken down into three phases: planning, developing, and executing
 - Seven steps should be used to the maximum extent possible to ensure the use of proven, repeatable processes and procedures contributing to successful services acquisitions.

Combining Acquisition Pathways

- DoDI 5000.02,
Operation of the Adaptive Acquisition Framework:
- 4.1.(a). PMs, with the approval of MDAs/DAs, may leverage a combination of acquisition pathways to provide value not otherwise available through use of a single pathway. The use of multiple pathways does not affect the application of statutory thresholds otherwise applicable to the program as a whole, such as the MDAP or major system (ACAT II) thresholds unless a statute permits.



Middle Tier of Acquisition (Rapid Prototyping) THEN Major Capability Acquisition

Integrated Acquisition Portfolio Reviews (IAPRs)

- DoD transitioning to integrated portfolio processes to enable **visibility of enterprise risks, dependencies, and opps.**
- **DSD directed USD(A&S)** to establish and execute IAPRs in 2021
- Improvements to the overall acquisition efficiency, assessment of portfolio health and identification of programmatic gaps in support of **critical joint missions.**
- Focused view of the risks, interdependencies, and Department-wide synchronizations necessary to **inform senior leader decisions at the enterprise-level**

DEPSECDEF Memo



DEPUTY SECRETARY OF DEFENSE
1010 DEFENSE PENTAGON
WASHINGTON, DC 20301-1010

MAY 27 2021

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
UNDER SECRETARIES OF DEFENSE
DIRECTOR OF COST ASSESSMENT AND PROGRAM
EVALUATION
DIRECTOR OF OPERATIONAL TEST AND EVALUATION
CHIEF INFORMATION OFFICER OF THE DEPARTMENT OF
DEFENSE
DIRECTOR OF NET ASSESSMENT

SUBJECT: Establishment of Integrated Acquisition Portfolio Reviews

Reinforcing the initiatives outlined in my March 11, 2021 memorandum "Governance Structure for Deputy Secretary Management Process," the Department is transitioning to integrated, portfolio, and systems based processes to enable visibility of risks, dependencies, and opportunities at an enterprise level to optimize strategic insight, synchronization, coordination, and decision-making.

To enable this transition, the Under Secretary of Defense for Acquisition and Sustainment (USD(A&S)) will oversee the implementation of mechanisms to enable acquisition portfolio reviews at the senior leadership level. The initial operating capability will focus on the establishment of integrated acquisition portfolios to identify interdependencies and critical risks in order to strengthen synchronization of warfighting concepts, technologies, requirements, and program execution to inform enterprise decisions and enable end-to-end mission capability. This transition will expand the focus of the defense acquisition system to include Integrated Acquisition Portfolio Reviews.

Within 90 days of this memo, the USD(A&S), in coordination with the Under Secretary of Defense for Research and Engineering, Joint Staff, the Director of Cost Analysis and Program Evaluation, Director of Operational Test and Evaluation, and the Services shall submit a plan to establish a mechanism to conduct integrated acquisition portfolio reviews. This plan will include a prioritized list of portfolios and tentative schedule of reviews thru the remainder of FY2021. The USD(A&S) shall conduct monthly portfolio reviews at the Under Secretary of Defense-level to review the acquisition portfolios and identify cross-cutting issues requiring more senior insight.

My point of contact for this is Mr. Dyke Weatherington, PTDO ASD(A), at dyke.d.weatherington.civ@mail.mil or (571) 256-9002.



05300431-21-CD000557-21

IAPR Charter

Charter for Integrated Acquisition Portfolio Review (IAPR)

Purpose: In an increasingly complex global security environment, it is critical we regularly deliver integrated suites of capabilities to field a lethal, resilient, and rapidly adapting Joint Force. Per direction from the Deputy Secretary of Defense (May 27, 2021 memo), the Department is transitioning to integrated, portfolio, and systems based processes to enable visibility of enterprise risks, dependencies, and opportunities. Integrated Acquisition Portfolio Reviews will be established to identify and address interdependencies and critical risks within each portfolio to strengthen synchronization of warfighting concepts, technologies, requirements, and program execution to inform enterprise decisions and enable end-to-end mission capability.

Scope: IAPRs will bring together key leaders and stakeholders across the Department of Defense (DoD) to review portfolio interdependencies and critical risks. These are focused on enterprise and portfolio level issues across the Services and Agencies and are not to be confused with program reviews such as a Defense Acquisition Board. IAPRs are intended to foster insight, collaboration, and partnership across the DoD Services and Agencies to regularly deliver integrated suites of capabilities.

Portfolio interdependencies will be viewed from a mission engineering perspective, focusing on critical mission engineering threads for the Department to ensure alignment between systems, infrastructure, and resources across the Services and Agencies. Through this process, we will create portfolio roadmaps to identify when new capabilities are fielded, when legacy systems will be retired, along with new prototypes, and Allied/coalition capabilities. Where applicable, we will integrate the adversaries' projected threats and capabilities. The reviews will include technical areas to such as interfaces, architectures, standards, and performance, captured using digital engineering tools and a mission engineering methodology where appropriate. They will ensure alignment from joint warfighting, technical interfaces, testing, infrastructure, mission thread, and sustainment perspectives. IAPRs will include portfolio cost, schedule, and performance assessments that may be used to shape future investment decisions to maximize mission impact.

The critical risks may include but are not limited to the industrial base, supply chain, technology development and integration, interoperability, Foreign Military Sales, and the workforce within each portfolio.

IAPRs are intended to bring the key decision makers together across the Department to strengthen enterprise capability portfolio management. As issues and opportunities are identified, the leaders in these IAPRs should identify strategic decisions and actions to address/pursue them. Key findings and issues will be reported to the Deputy's Management Action Group (DMAG), as appropriate, and replace the current Business Health Assessments being done for the DMAG. IAPRs will complement Cost Analysis and Program Evaluation Strategic Portfolio Reviews and Joint Staff's Capability Portfolios Management Reviews.

- **Organization:** The Under Secretary of Defense for Acquisition and Sustainment (USD(A&S)) will chair IAPRs. While there will be some common members across

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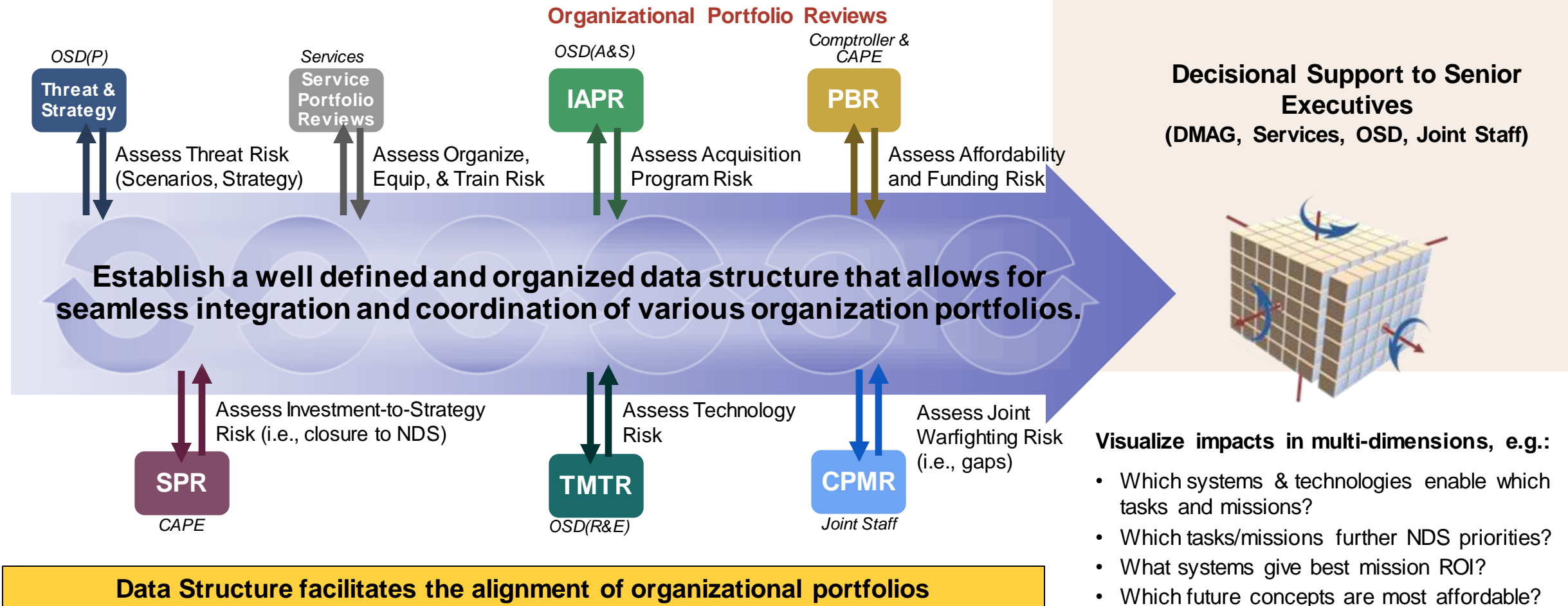
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IAPR is an essential component to Drive strategic alignment across planning, requirements, technology, acquisition, sustainment, programming, budgeting, & execution through the lens of joint, integrated mission effects.



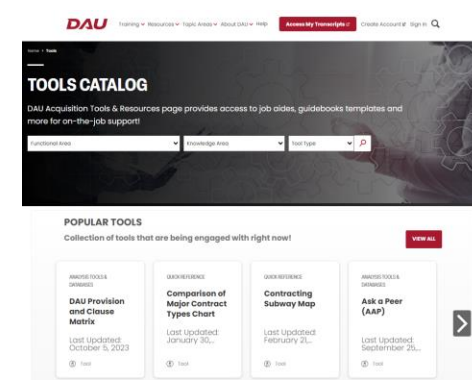
Synthesizing DoD Portfolio Reviews for Informed Strategic Decision-Making

Align inputs and refocus roles of organizational “portfolio” reviews IAW DoDD 7045.20:



Tools and Data

- DAU Tools
 - AAF Website - <https://aaf.dau.edu/>
 - AAF Document Identification – <https://www.dau.edu/aafdid>
 - AAF Quick Reference Card - <https://www.dau.edu/tools/aaf-dod-quick-reference-card>
 - Title 10 Reorganization - <https://www.acq.osd.mil/asda/ae/ada/title-10-reorganization.html>
 - Contracting Cone - <https://aaf.dau.edu/aaf/contracting-cone/>
 - CAP Lessons Learned (CAC required) - <https://www.dau.edu/cap>
 - ... and many more - <https://www.dau.edu/tools>
- Data (Account and CAC required)
 - DAVE - <https://dave.acq.osd.mil>
 - ADVANA - <https://advana.data.mil/>
 - KM/DS (SIPR) - http://www.intelink.sgov.gov/wiki/Portal:JROC_KMDS_Knowledge_Management_and_Decision_Support
- Data (Public)
 - WHS Reading Room - https://www.esd.whs.mil/FOIA/Reading-Room/Reading-Room-List_2/



Questions?

Backup Slides

Acronyms

Acronym	Description
APB	Acquisition Program Baseline
APUC	Average Procurement Unit Cost
CAPE	Cost Assessment and Program Evaluation
DAES	Defense Acquisition Executive Summary
DAG	Defense Acquisition Guidebook
DAMIR	Defense Acquisition Management Information Retrieval
DAVE	Defense Acquisition Visibility Environment
EVM-CR	Earned Value Management Central Repository
FFRDC	Federally Funded Research and Development Center
GAO	Government Accountability Office
MAIS	Major Automated Information System
MDA	Milestone Decision Authority
MDAP	Major Defense Acquisition Program

Acronyms continued.....

Acronym	Description
OMB	Office of Management and Budget
OSD	Office of the Secretary of Defense
PAUC	Program Acquisition Unit Cost
PEO	Program Executive Officer
PM	Program Manager
RCA	Root Cause Analysis
SAR	Selected Acquisition Report
UCR	Unit Cost Report

Program Size Definitions

Program Type	Definition	Dollar Threshold
Major Defense Acquisition Program (MDAP)	defined by Section 2430 of Title 10, U.S.C.	Dollar value for all increments of the program estimated by the DAE to require an eventual total expenditure for research, development, and test and evaluation of <u>more than</u> \$525 million in Fiscal Year (FY) 2020 constant dollars or, for procurement, of <u>more than</u> \$3.065 billion in FY2020 constant dollars
Major system	defined by Section 2302d of Title 10, U.S.C	Dollar value estimated by the DoD Component head to require an eventual total expenditure for research, development, and test and evaluation of <u>more than</u> \$200 million in FY 2020 constant dollars, or for procurement of <u>more than</u> \$920 million in FY 2020 constant dollars
Non-major system	Does not meet dollar value thresholds for Major system or above	Dollar value estimated by the DoD Component head to require an eventual total expenditure for research, development, and test and evaluation <u>equal to or below</u> \$200 million in FY 2020 constant dollars, or for procurement <u>equal to or below</u> \$920 million in FY 2020 constant dollars

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Reporting
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Other Acquisition Systems and Sites

AAFDID
Reporting
[Learn More](#) | [Launch App](#)

ADVANA
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CADE
Analysis
[Learn More](#) | [Launch App](#)

CPARS
Reporting, Analysis
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EVM-CR
Reporting
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FPDS
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USASpending.gov
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- **DAVE Tool**
 - <https://dave.acq.osd.mil>
- **DAVE Access**
 - Requires DoD approved certificate (CAC, ECA or PIV)
 - (571)372-5309
 - osd.dave@mail.mil
- **DAVE Hotline**
 - (571)372-5309
 - Osd.dave@mail.mil

Search Results

AIR Documents matching your search strategy

Show entries Search:

ACAT	Lead Components	Program Name	Milestone/Decision Point	Phase	Document Type	Document Approval Date	Actively Reporting	ALU Name	Action
III	Army	TEMOD	MS.C	Production and Deployment	PROGRAM ENVIRONMENT, SAFETY, & OCCUPATIONAL HEALTH EVALUATION AND NATIONAL ENVIRONMENTAL POLICY ACT EXECUTIVE ORDER 12114 COMPLIANCE SCHEDULE	03/14/2022	true	Damean McDowell	 
II	Army	JETS	NOT APPLICABLE		Acquisition Decision Memorandum	03/09/2022	true	Kimberly Davidson	 
IV	Army	RRDAS	ACAT Reclassification		Acquisition Decision Memorandum	03/09/2022	true	John Sullivan	 
IV	Army	RHD	NOT APPLICABLE		Acquisition Decision Memorandum	03/09/2022	true	Patricia Whipp	 
IV	Army	RHD	NOT APPLICABLE		ACQUISITION STRATEGY	03/09/2022	true	Patricia Whipp	 
IC	Army	UH-72 LUH	NOT APPLICABLE		Program Assessment Report	03/08/2022	true	John Byrd	 
IC	Army	HIMARS	NOT APPLICABLE		Program Assessment Report	03/08/2022	true	Christopher Bolen	 
	Army	MLRS	NOT APPLICABLE		Program Assessment Report	03/08/2022	true	Christopher Bolen	 
IC	Army	ABRAMS UPGRADE	NOT APPLICABLE		Program Assessment Report	03/08/2022	true	Andrew Brackman	 

Data Sets - MTA

MTA_20220228 - Excel							
Tell me what you want to do...							
Giordano, Lynne							
Share							
Clipboard							
Font							
Alignment							
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Conditional Formatting							
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A1							
Id							
Full Name							
Short Name							
Lead Compon							
PN							
Program Sour							
Acquisition Type							
Information System Designation							
1	3SXZB0W	Air Operations Center Weapon System Modifications Rapid Fielding	AOC Weapon System Mods RF	Air Force	645	DAVE	MTRP
2	Z0KUPM6	Air-Launched Rapid Response Weapon (ARRW)	ARRW	Air Force	656	DAVE	MTRP (Major)
3	V24QUGR	Airborne High Frequency Radio Modernization	Airborne HF Radio Modernization	Air Force	623	DAVE	MTRP
4	9M7B9MS	Angry Kitten Combat Pod	AKCP	Air Force	659	DAVE	MTRP
5	T3FUZL04	B-52 Commercial Engine Replacement Program Rapid Virtual Prototype	B-52 CERP RVP	Air Force	631	DAVE	MTRP (Major)
6	004NWVC	CAIS Targeting and GEOINT	CAIS Targeting and GEOINT	Air Force	649	DAVE	MTRP
7	RGF09TTY	COBRA DANE Automated Data Processing Equipment (ADPE)-Rehost Phase II	CD ADPE-R PHASE II	Air Force	632	DAVE	MTRP
8	U6CV9Q7	Command and Control Air Operations Suite - Command and Control Information Services Program I	C2AOS-C2IS I	Air Force	647	DAVE	MTRP
9	R08U79XS	Counter-small Unmanned Aircraft Systems Phase 0 Rapid Fielding	C-sUAS Phase 0 RF	Air Force	616	DAVE	MTRF
10	01502BR0	Deep Space Advanced Radar Capability Site 1	DARC Site 1	Air Force	628	DAVE	MTRP (Major)
11	P84NSCTY	Deployable Radar Approach Control MTA Rapid Fielding	D-RAPCON - MTA RF	Air Force	699	DAVE	MTRF
12	6V3FJJQU	E-3 5th to 4th-MTA RP	E-3 5th to 4th- MTA RP	Air Force	687	DAVE	MTRP
13	72JORSWI	E-3 AWACS Combat Identification/Diminishing Manufacturing Sources Rapid Prototyping	E-3 CID/DMS RP	Air Force	642	DAVE	MTRP
14	BV095P0D	E-3 AWACS Communication Network Upgrade Rapid Prototyping	E-3 CNU RP	Air Force	650	DAVE	MTRP
15	2W45WZC	E-3 AWACS Electronic Protection Rapid Prototyping	E-3 AWACS EP RP	Air Force	648	DAVE	MTRP (Major)
16	2PXMMEL	E-3 Mode 5 Acceleration Rapid Prototyping	E-3 Mode 5 RP	Air Force	654	DAVE	MTRP
17	ERXSUX89	E-3G AWACS Communications Integration Program Rapid Prototyping	E-3 ACIP-MTA RP	Air Force	675	DAVE	MTRP
18	JKIZ91IE	E-4B Survivable Super High Frequency	E-4B SSHF	Air Force	655	DAVE	MTRP
19	GWUQ66F	Evolved Strategic SATCOM Space Segment Rapid Prototype	ESS Space Segment RP	Air Force	586	DAVE	MTRP (Major)
20	8RCOKLB5	Expeditionary Weather MTA Rapid Fielding	ExMet - MTA RF	Air Force	683	DAVE	MTRP
21	IR4I05E9	Extended Range Weapon (ERWn)	ERWn	Air Force	992	DAVE	MTRP
22	V7V80REV	F-15EX	F-15EX	Air Force	630	DAVE	MTRF (Major)
23	Z0ZVOGVY	F-16 Electronic Warfare Suite	F-16 EW Suite	Air Force	617	DAVE	MTRP
24	LT5FSRFX	F-22 Capability Pipeline	F-22 Capability Pipeline	Air Force	657	DAVE	MTRP (Major)
25	97ZY8MKF	F-22 Rapid Fielding	F-22 Rapid Fielding	Air Force	689	DAVE	MTRF
26	BX4QFB8V	F-22 Rapid Prototyping	F-22 Rapid Prototyping	Air Force	684	DAVE	MTRP (Major)
27	E1NMNXP	Family of Advanced Beyond Line-of-Sight Terminals Force Element Terminal	FAB-T FET	Air Force	610	DAVE	MTRP (Major)
28	2UECGJ12	Future Operationally Resilient Ground Evolution Rapid Prototype	FORGE RP	Air Force	629	DAVE	MTRP (Major)
29	IPZOIJCE	Global Aircrew Strategic Network Terminal Increment 2	Global ASNT Inc 2	Air Force	673	DAVE	MTRP
30	9I8YSZFG	Handheld	MGUE Inc 2 - Hand Held	Air Force	626	DAVE	MTRP
31	2L9YW98	Hypersonic Conventional Strike Weapon	HCSW	Air Force	652	DAVE	MTRP (Major)
32	RVUHT59	Integrated Strategic Planning and Analysis Network Increment 5 Rapid Fielding	ISPAN Inc 5 RF	Air Force	522	DAVE	MTRF
33	WGY7LEF	KR Allocations, Taskings and Re-Tasking	KR ATR	Air Force	634	DAVE	MTRF
34	2XCHT2TV	KR Data Science	KR DS	Air Force	655	DAVE	MTRF
35							

What is in Defense Acquisition Visibility Environment (DAVE) Today



DAVE – Resource for access to the trusted program list, MDAP and MTA program data, acquisition information, capabilities, training, and support
<https://dave.acq.osd.mil>

Core Acquisition Data Capabilities (plus links to related capabilities)

AIR – Access milestone documents (AIR account required)

ADS – Use Acquisition Data Sets flexibly from spreadsheets or ingest in analysis tools

Program Submissions – Enter or review Acquisition Program Baseline (APB), Program Progress, and MTA Program Identification data

Help – Videos, guides, contacts

Acquisition Resources – Tools/resources to support the Acquisition process as defined by the Adaptive Acquisition Framework (AAF)

Acquisition Data/Standards and Sources – Acquisition Visibility Data Framework (AVDF), Data Opportunities

Program Submissions are shared with OSD(Comptroller)'s Advana analytics platform for development of visualizations to enable leadership insight and decision making



DAVE Access – Quick Reference Guide

Description – The Defense Acquisition Visibility Environment (DAVE) site is a single point of access to data and information to support Defense Acquisition analysis, oversight, insight, and decision-making. Access to DAVE is restricted to DoD Common Access Card (CAC) holders and individuals with an approved External Certificate (ECA). Follow these instructions to access DAVE with your CAC. If you have an ECA, please contact the DAVE Service Desk at osd.DAVE@mail.mil for additional support.

Steps

1. If needed, update your ID Card Online profile at <https://myaccess.dmdc.osd.mil/identitymanagement/authenticate.do?execution=e1s1>. If you make changes, wait 24 hours before registering for DAVE.
2. On the DAVE site (<https://dave.acq.osd.mil/>), click on Register.
3. Click Sign in with your CAC and select email or CAC certificate.
4. Click Register again.
5. Review information imported from MilConnect
 - a) Add preferred email address, if needed.
 - b) Select Yes to confirm information.
 - c) Click Next to proceed.

The screenshot shows the 'User Registration' form. Red boxes and arrows highlight the following fields and actions: 'Preferred E-mail' (with a note that some information is pulled from the CAC), 'Office Symbol/Dept*' (set to ABA/EI), 'Office Phone #' (set to 4800 Mark Center Drive), and the 'Is this information complete and correct?' checkbox (checked 'Yes'). A red arrow points to the 'Next' button at the bottom right.

6. Add your supervisor's name and contact information.

The screenshot shows the 'Government Supervisor' form. Red boxes and arrows highlight the following fields and actions: 'Last Name*', 'First Name*', 'Middle Initial', 'Office Phone #*', 'Contract/Task Order Number*', and 'Contract Expiration Date*'. A red arrow points to the 'Next' button at the bottom right.

7. If you are a contractor, enter your contract information.

8. Click Next to proceed.

9. In the non-disclosure agreement,

- a) Specify your organization.
- b) Click the check box to indicate that you accept the NDA.
- c) Click the Next button.

The screenshot shows the 'Non-Disclosure Agreement' form. Red boxes and arrows highlight the following fields and actions: 'Example Organization' (selected), the 'Check here to accept the NDA' checkbox (checked), and the 'Next' button at the bottom right.

ADVANA – Acquisition Analytics

The screenshot displays the ADVANA website interface. At the top, there is a navigation bar with the ADVANA logo (a stylized 'A' in blue and green) and the tagline 'DISCOVER. UNDERSTAND. DECIDE.' followed by several menu items: ABOUT, ANALYTICS (highlighted with a teal underline), INITIATIVES, TOOLS, APPLICATIONS, LEARN, and SUPPORT. Below the navigation bar, the main content area is divided into two columns. The left column features a section titled 'Analytics' with a teal button labeled 'VIEW PAGE'. The right column contains a list of analytics categories, each with a right-pointing arrow. The 'Acquisition Analytics' item is highlighted with a teal background. A vertical grey bar is positioned to the right of the list, partially obscuring some items.

Analytics

Our team is introducing structure and transparency to the wild world of analytics. Advana is establishing the structure for the Department to develop and sustain quality analytical products that are scalable, transparent, and authoritative. We address the decades-old problem of consistently being able to view and analyze disparate datasets using a consistent format

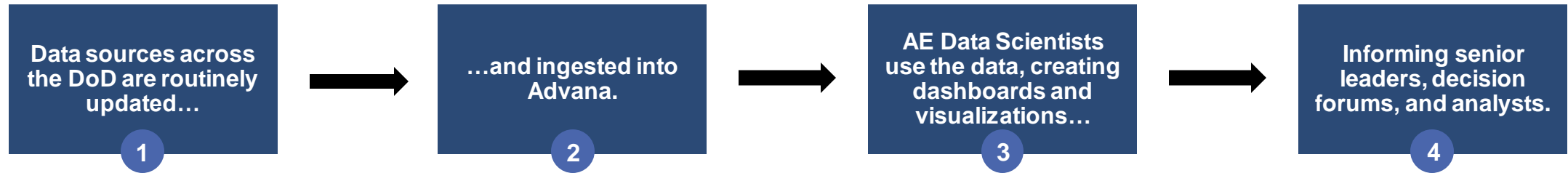
[VIEW PAGE](#)

- Analytics Overview
- Enterprise Analytics Hub
- Enterprise Analytics Hub Beta
- Acquisition Analytics**
- Executive Analytics
- Financial Management (FM) Analytics
- Fraud Analytics
- Health Analytics
- Information Technology Analytics
- Maintenance & Supply Chain Analytics
- People Analytics

- Acquisition Overview
- Acquisition App Directory
- Acquisition Inquiries
- Acquisition Studies
- Acquisition Advanced Analytics
- Acquisition Focus - EVM
- Acquisition Pathways - MCA
- Acquisition Pathways - MTA
- Acquisition Portfolios and Missions
- Acquisition Report - CEO
- Acquisition Report - PSA
- DAVE DAES & SAR
- Executive Analytics Tier 3 Landing Pages for A&S
- Executive Analytics Tier 3 - Metric Details -

ps://advana.data.mil/#nolink

A & S

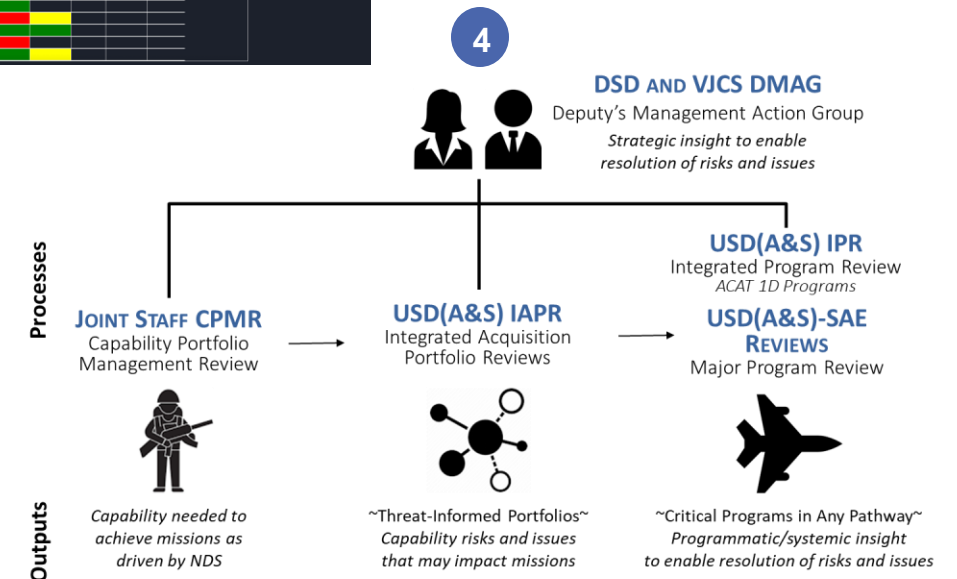
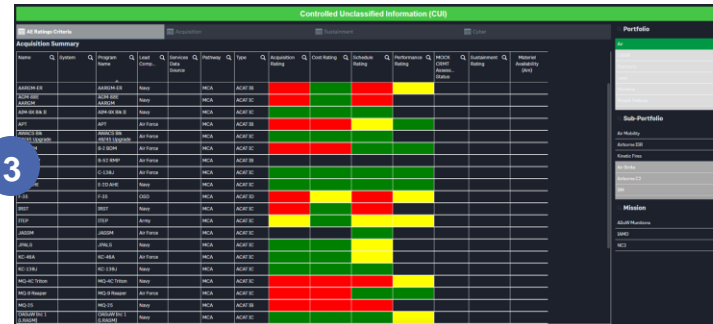


1 Key Data Sources Used in Acquisition Analytics

- DAVE
- FPDS
- PRCP
- EVM-CR (FY22Q4)
- RDAIS (FY22Q4)
- PMRT-USAF (FY22Q4)
- MADW (FY23)
- SNaP-IT (FY23)

2 Advana Acquisition Analytics Applications

- Pathway Apps (MCA, MTA, AoS)
- Program Apps (DAVE DAES & SAR, PSA,
- Portfolio Apps (Capability & Mission Portfolio)
- Focus Area Apps (EVM, CEO Report)
- Machine Learning Apps (Advanced Acquisition Analytics)
- Executive Analytics Apps (Sustainment, Vendors, Missions, MDAP & MTA [dev])




Title 10 Reorganization





Restructuring Defense Acquisition Law



As of January 1, 2022, the reorganization of Part V (titled "Acquisition") of subtitle A of Title 10, U.S.C., is enacted. The new structure makes no substantive changes to Title 10, but improves the readability of the defense acquisition provisions through a new section numbering system and overall reorganization. There are over 200 changes, most of which are a simple renumbering (e.g. Section 2508 "Industrial Base Fund" becomes Section 4817). Some former single sections are reorganized into multiple new sections (e.g. Section 2306 "Kinds of Contracts" becomes Sections 3321-3323). A table listing the changes can be found below, along with the four Title 10 "Rosetta Stone" documents.



Old to New / New to Old
Crosswalk Documents

-  **Old to New Section Tracker** - For each former section, locate the content in the new section
-  **New to Old Section Tracker** - For each new section, locate the content in the former section

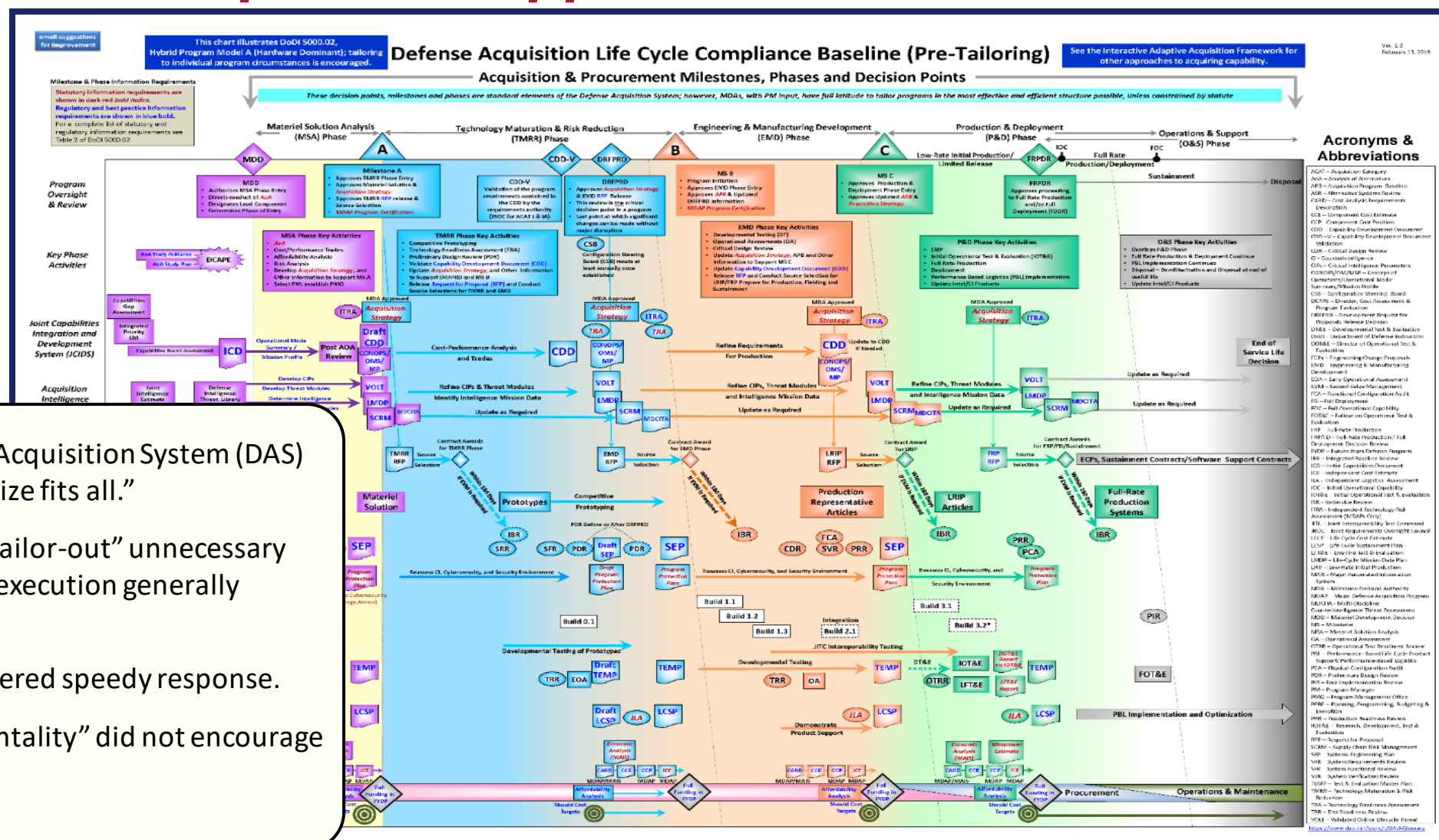
Title 10, Subtitle A, Part V: "Acquisition"
Amended Statute

-  **Full Statute Text** - Complete text of Part V as amended by NDAA of FY2021 & FY2022
-  **Chapter Organization** - Table of contents for Part V as amended by NDAA of FY2021 & FY2022

OLD SECTION		NEW SECTION	
OLD 10 USC Number	OLD 10 USC Section Title	NEW 10 USC Number	NEW 10 USC Section Title
196	Department of Defense Test Resource Management Center	4173	Department of Defense Test Resource Management Center
204	Small Business Ombudsman for defense audit agencies	3848	Defense audit agencies: Small Business Ombudsmen
1599h	Personnel management authority to attract experts in science and engineering	4092	Personnel management authority to attract experts in science and engineering
2192a	Science, Mathematics, and Research for Transformation (SMART) Defense Education Program	4093	Science, Mathematics, and Research for Transformation (SMART) Defense Education Program

<https://www.acq.osd.mil/asda/ae/title-10-reorganization.html>

The Traditional Acquisition Approach



- Prior to 2019, the Defense Acquisition System (DAS) was characterized as “one size fits all.”
- PMs were encouraged to “tailor-out” unnecessary process requirements, but execution generally remained rigid.
- Prescriptive processes hindered speedy response.
- The common “checklist mentality” did not encourage innovation.

Adaptive Acquisition Framework Key Tenants

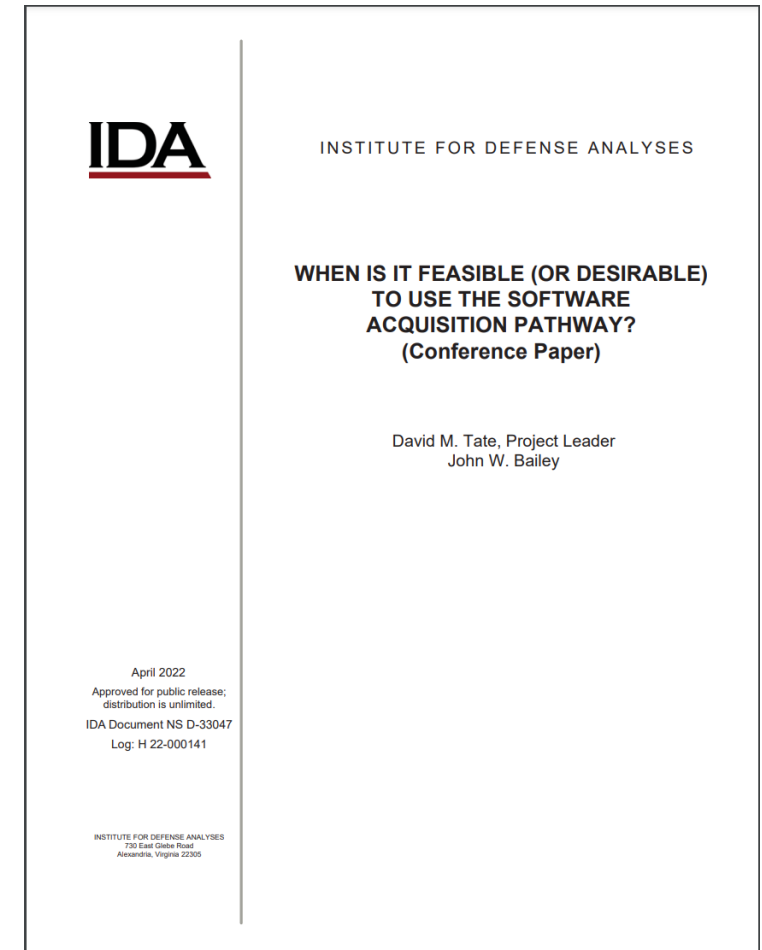
The AAF holds Program Managers accountable for critical thinking and embraces tailoring program oversight to minimize unnecessary bureaucratic processes.



Program Managers are empowered to think critically, embrace decision making, and leverage innovative strategies to meet unique requirements.

IDA Study

- ❑ BLUF: DoD programs are challenged by the 1-year Minimum Viable Capability Release (MVCP)
- ❑ Cybersecurity and Operational Test & Eval reduce code development time
- ❑ 10 mons = 20 two-week Sprints



<https://ida.org/-/media/feature/publications/w/wh/when-is-it-feasible-or-desirable-to-use-the-software-acquisition-pathway/d-33047.ashx>

Organizational Portfolio Structures

Organizations use unique portfolio structures to organize, manage, and execute portfolio analyses and processes – portfolios do not align 1:1

Joint Staff	USD(A&S)	Comptroller	USD(R&E)
Force Development & Design	Air Warfare	Aircraft	Adv Comp and SW
Battlespace Awareness	C4ISR	C4I Systems	Adv Materials
Force Application	Chem/Bio	Ground Systems	AI/Autonomy
Logistics & Sustainment	Cyber Warfare	Missile Defense	Biotechnology
Command & Control	Electronic Warfare	Missiles/Munitions	Directed Energy
Joint Information	Land Warfare	Mission Support	Future Gen Wireless
Protection	Maritime	S&T	HMI
	Missile Defense	Ship/Maritime	Hypersonics
	Nuclear	Space Systems	Int Net SoS
	Space		Int. Sensing, Cyber
	Sustainment		Microelectronics
			Quantum
			Renew Energy
			Space
7 Tier 1 JCAs	11 Capability Portfolios	9 Mission Area Categories in Budget Submissions	14 Technology Portfolios

Adaptive Acquisition Framework Pathways

Tenets of the Defense Acquisition System

1. Simplify Acquisition Policy
2. Tailor Acquisition Approaches
3. Empower Program Managers
4. Conduct Data Driven Analysis
5. Actively Manage Risk
6. Emphasize Sustainment

DoDD 5000.01: The Defense Acquisition System

DoDI 5000.02: Operation of the Adaptive Acquisition Framework

