



Enterprise - Informs

US Congressional Authorities

Art. I § 8: Financial dependency on Congress. Power implicit in the Constitutional power to make laws necessary and proper for executing its granted powers.

Procurement Laws: Title 5, 10, 31, 40, 41, T10 U.S.C. § 221: Future Years Defense Program, T10 U.S.C. § 2430: Major Def Acquisition Program, T10 U.S.C. § 2431: Acquisition Strategy, T48 U.S.C. § 1: Federal Acquisition Regulation: Principal set of rules regarding gov. procurement in the US.

NDAAs: Modification to multyear procurement authority, NDAAs 17: Secure U.S. Technological Superiority

Congressional Armed Service Committee

Senate Armed Services Committee
<https://www.armed-services.senate.gov/hearings>
 NDA 2019: National Defense Strategy
 Accelerate New Technology to Meet Emerging Threats
 Posture of the Department of the Army
 Army Modernization
 Department of Defense Acquisition Reform Efforts
 All Arms Warfare in the 21st Century
 Reshaping the U.S. Military
 House Armed Services Committee
<https://armedservices.house.gov/hearings>
 NDA 2019: National Defense Strategy
 Readiness Subcommittee on Army Futures CMD:
 Army Futures Command: Will it help?
 Military Technology Transfer: Threats, Impacts, and Solutions for the Department of Defense
 Army FY 2019 Budget Request Readiness Posture
 Close Combat Lethality Task Force (IN TF)
 Request for DoD Science and Technology Programs
 Joint Select Committee on Budget and Appropriations Process Reform

US Congressional Budget

Appropriations (H/S)
 Budget Control Act
 President's Budget approved by Congress
 2019 National Defense Authorization Act: §10.2 B
 Wasteful Defense Spending Reduction Act of 2018
 Military Infra Consolidation and Efficiency Act of 2017

FY2020 strategy-driven budget that integrates plans to transition from technology demonstrations to develop and fielding, with outcomes and timelines to dominate a new era of great power competition.

Independent Federal Advisory Committees to the SECDEF

Federal advisory committees have been called the "fifth arm of government" because of the significant role they play in advising federal agencies, the Congress, and the President on important national issues

- Bioengineering Sciences & Technologies Integrated Review Group
- Advisory Committee on Emerging Markets
- Visiting Committee on Advanced Tech
- Advisory Committee on Industrial Security and Industrial Base Policy
- Defense Trade Advisory Group
- Research, Eng, and Dev Advisory Comm
- Government-Industry Advisory Panel
- Threat Reduction Advisory Committee
- Basic Energy Sciences Advisory Comm
- US Army Science Board
- Advanced Scientific Computing Advisory Committee
- Biological and Environmental Research Advisory Committee
- National Geospatial Advisory Committee
- Advisory Committee on Public-Private Partnerships
- HS Science & Technology
- Industry Trade Advisory Committee on Intellectual Property Rights
- Industry Trade Advisory Committee on Small and Minority Business
- Information Sys Technical Advisory Comm
- Industry Trade Advisory Committee on Information and Comm Technologies, Services, and Electronic Commerce
- Renewable Energy and Energy Efficiency Advisory Committee
- National Medal of Technology and Innovation Nomination Evaluation Comm
- National Technical Information Service Advisory Board
- Advisory Committee on Emerging Markets
- Defense Digital Services
- Defense Science Board
- Defense Business Board

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Secretary of Defense OSD

SECDEF: Jim Mattis
 DEP SEC: Patrick M. Shanahan
 Chief Mgmt. Officer: John H. Gibson II
 USD for Acquisition, Technology and Logistics (AT&L)
 Dissolved - NDA 2017

SECDEF PRIORITIES

- Build a more lethal force
- Strengthen alliances and attract new partners
- Return the DoD for greater performance and affordability

Office of Force Transformation

In 2006, the Office of Force Transformation was established, and its functions spread between the Office of the Under Secretary of Defense for Policy, and the Office of the Under Secretary of Defense for Acquisition, Technology, and Logistics.

Defense Innovation University

Provides non-dilutive capital in exchange for commercial products that solve national defense problems. Contract with companies offering solutions in a variety of areas to solve a host of defense problems.

Defense Acquisition University

In-class corporate university for Defense Acquisition Workforce. Provide a global learning environment to develop qualified acquisition, requirements and contingency professionals to deliver effective and affordable warfighting capabilities.

Federal Advisory Committees Panels and Boards

Defense Innovation Board

Provide SECDEF and senior leaders with independent advice and recommendations on innovative means to address future challenges through three focus areas: People and Culture, Technology and Capabilities, and Practices and Ops.

Technology Innovation Program Advisory Board

A body of experts in the field of technology innovation from high-tech companies, VCs, and univ. Accelerates innovation by offering competitive opportunities for cost-shared funding of high-risk research with potential of transformational results.

Proposal Review Panel for Civil, Mechanical, and Manufacturing Innovation

Advances future of manufacturing, the design of innovative materials and bdg technologies, infrastructure resilience and sustainability, and tools and systems for decision-making, robotics and controls.

Proposal Review Panel for Industrial Innovation and Partnerships

Invests in high-tech small businesses and collaborations between academia and industry to transform discoveries into innovative commercial technologies with societal benefits.

Emerging Tech & Govt. Advisory Committee

Representatives from industry, academic, and land U.S. Govt. representing diverse points of view from firms producing a range of goods, technologies, and software controlled for national security, non-proliferation, and foreign policy reasons.

National Advisory Council on Innovation and Entrepreneurship

Identify and recommend solutions to critical issues driving the innovation economy; enable entrepreneurs and firms to successfully access and develop a skilled, globally competitive workforce.

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Defense Advanced Research Projects Agency (DARPA)

Responsible for the development of emerging technologies for use by the military.

Missile Defense Agency

Develop, test, and field integrated, layered, ballistic missile defense system (BMDs) to defend the United States, its deployed forces, allies, and friends against all ranges of enemy ballistic missiles in all phases of flight.

Strategic Intelligence Analysis Cell

New organization focused on understanding the capabilities and vulnerabilities of potential adversaries, assessing U.S. capabilities, tracking global technology trends, assessing emerging threats, and identifying potential opportunities that warrant action and merit investment.

Strategic Capabilities Office

Dep Sec Def Ash Carter est. as an office to find new applications for existing technologies. Rapidly develop a portfolio of capabilities to counter near-peer adversaries and improve the U.S. posture in engaging future threats.

Defense Innovation Unit (DIU)

Accelerates adoption of leading commercial technology into the military. Implementing commercial solutions that can transform how the Defense Department operates.

Chief Technical Officer

Leading technology innovation at DoD to solve critical war-fighting problems, and to delivery technology solutions faster. Advance Technology & Innovation.

Rapid Prototyping

Speed & Scale, Advance Technology, Accountability & Transparency, Speed of Relevance, Perpetual Motion, Unity of Command & Effort, Take Risks, Fail Early & Cheaply, Dominance to Lethality, Deliver Concepts & Requirements, Responsible Stewardship, F2M Relationships, Enhance Learning, Condense Dispersal of Units, Advance Innovation

Defense Acquisition System (DAS)

The acquisition process encompasses the design, engineering, construction, testing, deployment, sustainment, and disposal of weapons or related items purchased from a contractor. As set forth by statute and regulation, from concept to deployment, a weapon system must go through a three-step process of identifying a required (needed) weapon system, establishing a budget, and acquiring the system. Each of these primary decision support systems/processes transform military forces to support the NDS.

Major Defense Acquisition Program

Senior advisory board for the DoD Acquisition System and provides advice on critical acquisition decisions

Milestone Decision Authority

Initiates each increment of an evolutionary acquisition program as required by DoD Instruction 5000.02

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Director of Defense Research and Engineering for Research & Technology (ASD)

Sets strategic technical direction and investment strategy to ensure tech battlefield dominance, integrate DoD's laboratory infrastructure, and provide stewardship of the tech community that conducts defense research.

Director of Defense Research and Engineering for Advanced Capabilities (ASD)

Prototyping and experimentation designed to increase understanding of tech and its capabilities, drive down technical risk, and incorporate warfighter feedback.

Defense Microelectronic Activity (DMEA)

Develops risk-reducing prototypes and demonstrations of land, sea, and air systems that address mission-focused combatant command, joint-service, and interagency capability needs to counter emerging threats.

ASD/Director Enterprise Solutions

Focus on joint and cross-service material readiness issues, support for the Services' up-front program logistics planning, and identifying best practices to drive down costs of weapon systems sustainment.

ASD/Director Platform & Weapon Portfolio Management

Oversee and prescribe policy for nuclear forces, Overseas support for the Services' up-front program logistics planning, and identifying best practices to drive down costs of weapon systems sustainment.

ASD/Director Threat Reduction & Arms Control

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ASD/Director Logistics

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ASD/Director Project Support

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ASD/Director Material Readiness

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ASD/Director DASD Energy

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ASD/Director DASD Environment

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ASD/Director DASD Infrastructure

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Joint Rapid Acquisition Cell

Rapidly assesses requirements and solutions, collaborating with the Joint Staff J-8 and the respective Combatant Commands (COCOM) and facilitates the transfer of funds to DoD components to resolve Immediate Warfighter Needs (IWN).

Director Special Programs

Army Special Programs Directorate (ASPD) is the Army Special Access Program Central Office (SAPCO). Assist OSD with governance, management and oversight of sensitive DoD capabilities, information, technologies, and operations.

Senior Advisor International Cooperation

The roles and responsibilities assigned to IC will be further assessed pending determination of potential benefit of integrating with Defense Security Cooperation Agency.

Director International Armaments Cooperation

Director Planning, Programming, and Analysis

DoD Budget Process

OMB President's Budget → Congress → Budget Resolutions → Authorization Bills → Appropriation Bills → OMB Apportionment Treasury Warrants → DoD

DoD Budget

- Res. Dev, Test, & Evaluation (RDT&E)
- Procurement
- Other Procurement, Army (OPA) Funds
- Operation & Maintenance Army (OSMA)
- CDRs Emer Resp Program (CERP)
- Intelligence Contingency Funds (ICF)
- Logistics Civil Aug Program (LOGCAP)

DoD Budget Process

1. The Material Readiness Decision proceeds early into early phases of the acquisition management system

2. A business review is conducted before entering phase

3. Evolutionary Acquisition or Single Step to Full Capability

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