



## Summary of the Fiscal Year 2023 National Defense Authorization Act

For the 62<sup>nd</sup> consecutive year, Congress has reached a bipartisan, bicameral agreement to pass the National Defense Authorization Act (NDAA). Each year, the NDAA authorizes funding levels and provides authorities for the U.S. military and other critical defense priorities, ensuring our troops have the training, equipment, and resources they need to carry out their missions.

This year’s agreement, the *James M. Inhofe National Defense Authorization Act for Fiscal Year 2023*, focuses on the most vital national security priorities for the United States, including strategic competition with China and Russia; disruptive technologies like hypersonic weapons, artificial intelligence, 5G, and quantum computing; modernizing our ships, aircraft, and vehicles; and improving the lives of our servicemembers and their families.

### FY 2023 DEFENSE FUNDING LEVELS

The 62<sup>nd</sup> annual NDAA supports a total of \$857.9 billion in fiscal year 2023 funding for national defense. Within this topline, the legislation authorizes \$816.7 billion for the Department of Defense (DOD) and \$30.3 billion for national security programs within the Department of Energy (DOE).

The NDAA increases the topline authorization level by \$45 billion above the President’s budget request to address the effects of inflation and accelerate implementation of the National Defense Strategy. Within this topline, the bill authorizes \$12.6 billion for inflation impacts on purchases; \$3.8 billion for inflation impacts on military construction projects; and \$2.5 billion for inflation impacts on fuel purchases.

FY23 Defense Funding Levels (in billions of dollars)	
Department of Defense	\$ 816.7
Department of Energy	\$ 30.3
NDAA Topline	\$ 847.3
Defense-related Activities Outside NDAA Jurisdiction	\$ 10.6
<b>National Defense Topline</b>	<b>\$ 857.9</b>

The bill allows up to \$6 billion in general transfer authority for unforeseen higher-priority needs in accordance with normal reprogramming procedures.

The bill also serves as a legislative vehicle for a number of non-NDAA-related authorizations. Outside authorizations are not detailed in this summary.



## PERSONNEL

### Supporting Servicemembers, Defense Department Civilians, and Their Families

- Authorizes funding to support a 4.6 percent pay raise for both military servicemembers and the DOD civilian workforce.
- Authorizes additional funding to address the effects of inflation on compensation.
- Authorizes an increase of \$70 million for Impact Aid (\$50 million for supplemental Impact Aid and \$20 million for Impact Aid for military children with severe disabilities).
- Broadens the reach and impact of the Basic Needs Allowance by increasing the eligibility threshold and allowance size from 130% of the Federal poverty line to 150% of the Federal poverty line as a baseline, and authorizes the Secretary of Defense to increase this benefit to 200% of the poverty line when appropriate.
- Increases maximum amounts for bonus and special pay authorities for servicemembers in certain critical-skill positions.
- Revives and extends temporary authority for targeted recruitment incentives to ensure the military can meet its recruiting and retention needs.
- Expands the scope of financial reimbursement related to spouse relicensing and business costs arising from a permanent change of station.
- Initiates a pilot program to reimburse military families for certain child care costs related to a permanent change of station.
- Creates an open season during calendar year 2023 for eligible retired or former members to opt in or out of the Survivor Benefit Plan.
- Ensures servicemembers have access to quality housing, including by: extending the authority to adjust the basic allowance for housing (BAH) in high-cost areas; encouraging DOD to coordinate efforts to address housing shortages; and codifying that the Assistant Secretary of Defense for Energy, Installations, and Environment should serve as the Chief Housing Officer.

### End Strength

- Army - 452,000
- Navy - 354,000
- Air Force - 325,344
- Marine Corps - 177,000
- Space Force - 8,600
- Authorizes reserve component military end strengths in line with President's request, with the exception of Air National Guard military technicians and full-time Reserve and Guard personnel, which are to remain at FY2022 levels.



### **Military Personnel Policy**

- Extends the authority to prescribe a temporary adjustment in the current rates of BAH for a military housing area if the Secretary of Defense determines that the actual costs of adequate housing differs from the current BAH rates by more than 20 percent.
- Authorizes assignment of special duty pay for members based on cold-weather climate conditions in which their duties are performed.
- Authorizes constructive service credit for warrant officers with advanced education or training or special experience.
- Initiates a program to reimburse Alaska-based servicemembers for the cost of airfare to travel to their homes of record.
- Requires the Secretary of Defense to rescind the mandate that members of the Armed Forces be vaccinated against COVID-19.
- Enhances pay authorities for certain acquisition and technology experts in DOD science and technology laboratories.
- Requires a Government Accountability Office (GAO) review of officer performance evaluations.
- Requires the Secretary of Defense to back-date the effective date of rank for reserve officers in the National Guard who experience undue delays in Federal recognition of their promotions.
- Authorizes a pilot program on remote personnel processing in the Army.
- Requires enhanced information related to awarding of the Purple Heart to be posted on a publicly available Internet site.

### **Military Education and Family Readiness**

- Authorizes a servicemember whose sole dependent dies to continue to receive basic allowance for housing at the "with dependents" rate for a period up to 365 days after the death of the dependent.
- Requires a pilot program to hire special education inclusion coordinators at Child Development Centers (CDC) with a high population of military children enrolled in the Exceptional Family Member Program and also at the CDCs.
- Directs a report on the recruiting and retention of DOD childcare providers.
- Extends a pilot program to expand enrollment eligibility at domestic dependent elementary and secondary schools.

### **Military Health Care**

- Establishes four military medical treatment facilities as Core Casualty Receiving Facilities to facilitate aeromedical evacuation of casualties from military operational theaters.
- Authorizes transitional health care benefits to members of the National Guard who are separated from full-time duty, called or ordered by the President or the Secretary of



Defense for a period of active service greater than 30 days, in response to a national emergency declaration and supported by Federal funds.

- Requires a review and report on the rates of suicides in the Armed Forces by military occupational specialty during the time period beginning after September 11, 2001, and continuing to the present day, broken down by military occupational specialty, service, and grade.
- Requires a briefing on the feasibility and advisability of implementing certain reforms related to suicide prevention among members of the Armed Forces.
- Requires a capability assessment of potential improvements to activities of the DOD to reduce the effects of environmental exposures (burn pits and other environmental hazards) to servicemembers and the development of an action plan to implement such improvements.
- Authorizes improvements to the TRICARE Dental Program by requiring functions such as enrollment, eligibility, and premium payment processing to be handled by a third-party administrator, and ensuring beneficiaries have three dental insurance enrollment options from several carriers.
- Requires establishment of a comprehensive initiative for brain health, the Warfighter Brain Health Initiative, to improve cognitive performance and brain health of servicemembers.
- Makes improvements relating to behavioral health care in the military health system.

#### **Strengthening Military Justice**

- Makes various additional modifications to military justice reforms enacted in the FY22 NDAA, including adding additional covered offenses to those over which the Office of Special Trial Counsel will exercise authority, requiring the President to amend the Manual for Courts-Martial to ensure that residual prosecutorial and judicial duties with respect to covered offenses are transferred to an appropriate entity, and requiring comprehensive reporting from the Department regarding implementation of last year's reforms.
- Amends Article 66 of the UCMJ to authorize judicial review of any conviction by court-martial, regardless of the sentence imposed; amends Article 69 of the UCMJ to clarify the scope of review in general and special court-martial cases reviewed by a Judge Advocate General.
- Amends Article 25 of the UCMJ to require the randomized selection of personnel for service as panel members on courts-martial under regulations prescribed by the President.



## AIRPOWER AND LAND WARFARE

### Advancing Air Power

- Authorizes requested funding for the procurement of combat aircraft and munitions.
- Authorizes funding for an additional four EC-37B Compass Call aircraft.
- Authorizes funding for an additional five F-35A aircraft.
- Authorizes funding for an additional 10 HH-60W helicopters.
- Prohibits the retirement of F-22 Block 20 aircraft, requires submission of a detailed written plan for training F-22 aircrew while avoiding any degradation in readiness or reduction in combat capability, and does not mandate upgrades of the Block 20 aircraft.
- Authorizes an increase of \$301 million to accelerate production of both prototype E-7 aircraft to support the airborne command and control mission.
- Requires the retention of EA-18G aircraft; requires a report outlining a strategy and execution plan for the Navy and Air Force to continuously and effectively meet airborne electronic attack training and combat requirements of the joint force, to include establishment or continuation of one or more land-based, joint service electronic attack squadrons and integration of both active and reserve components of both services.
- Supports planned divestment of A-10s.
- Prevents or modifies retirement plans for various aircraft, including B-1, F-15, E-3 AWACS, and C-40 aircraft.

### Strengthening Land Warfare Capabilities

- Supports the Army's focus on priority modernization efforts, to include long-range fires, future vertical lift, next-generation combat vehicles, and air and missile defense.
- Supports soldier systems and the network that enables a more lethal and connected force.
- Authorizes increased funding for procurement of enduring combat aircraft, armored fighting vehicles, munitions, long-range fires, and air and missile defenses.
- Directs an assessment of requirements and acquisition objectives for Patriot air and missile defense battalions.
- Increases focus on vehicle safety by requiring a pilot program for tactical vehicle safety data collection and an annual report on safety upgrades to high mobility multipurpose wheeled vehicles (HMMWV).
- For aviation: Authorizes increased funding for CH-47 Chinook, UH-60 Blackhawk, and MQ-1 Gray Eagle platforms.
- For missile systems: Authorizes increased funding for M-SHORAD and Patriot, to include a focus on industrial preparedness.



- For combat vehicles: Authorizes increased funding for Abrams tanks, Stryker upgrades, and Paladin Integrated Management (PIM) systems.
- For tactical vehicles: Authorizes increased funding for infantry squad vehicles, medium and heavy tactical vehicles, dump trucks, and continues acceleration of safety modifications for HMMWVs.
- For soldier systems: Authorizes increased funding for advanced night vision capability to include increased research and development and accelerated tactical network capabilities fielding.

### Countering Evolving Threats

- Authorizes additional funding to reduce risk in the Army Future Vertical Lift program.
- Directs an assessment and strategy for fielding capabilities to counter threats posed by unmanned aerial swarms (UAS) as well as a briefing on security cooperation activities related to counter UAS.
- Requires the Secretary of Defense in consultation with the Secretary of State and the Director of National Intelligence to provide a strategy to increase cooperation with Middle Eastern allies and partners on the potential for improved integrated air and missile defense cooperation to counter threats from Iran and Iranian-linked groups.

### Furthering Advanced Munitions

- Authorizes more than \$2.7 billion for additional munitions production and capacity expansion for increased future production.
- Directs an assessment of the ability of the defense industrial production base to meet steady-state and surge requirements for propellants and explosives.
- Authorizes funding for the next generation short-range air defense system (SHORAD); and accelerates Precision Strike Missiles (PrSM) development.

## **SEAPOWER**

### Surface Warfare

- Authorizes multiyear or block buy contracts for the procurement of up to 25 ship to shore connectors, 15 *Arleigh Burke*-class destroyers, eight *Lewis*-class oilers, five amphibious ships, and CH-53K helicopters.
- Authorizes \$32.6 billion for Navy shipbuilding, an increase of \$4.7 billion, which includes the procurement of 11 battle force ships: three *Arleigh Burke*-class destroyers; two *Virginia*-class submarines; two expeditionary fast transports; one *Constellation*-class frigate; one *San Antonio*-class amphibious ship; one *John Lewis*-class oiler; and one *Navajo*-class towing, salvage and rescue ship.
- Authorizes an additional \$2.2 billion for a third *Arleigh Burke*-class destroyer.



- Authorizes an additional \$289 million for LHA-10 advance procurement.
- Authorizes an additional \$250 million for LPD-33 advance procurement.
- Authorizes an additional \$250 million for surface combatant supplier development.
- Requires certain FFG-62 class vessels to be capable of carrying and employing Tomahawk and Standard Missile-6 missiles.
- Authorizes an additional \$25 million for continued research on the sea-launched cruise missile (SLCM-N).
- Prescribes DDG(X) acquisition elements in the areas of government and industry collaboration, competitive incentives, early technology maturation, and workforce stability.
- Mandates the inclusion of a Navy shipbuilding workforce development special incentive in Navy shipbuilding new construction contracts.
- Prohibits the early retirement of 12 vessels in fiscal year 2023, including: five littoral combat ships, four dock landing ships, two expeditionary transfer docks, and one cruiser.
- Authorizes an increase of \$405.5 million for urgent enhancement of naval mining and delivery capabilities.

### Undersea Warfare

- Authorizes full funding of the budget request for *Columbia*-class submarines.
- Authorizes full funding of the budget request for two *Virginia*-class submarines.
- Authorizes an increase of \$188.9 million for advanced undersea capability investments.
- Requires a briefing on existing requirements and capabilities for offensive and defensive mining, as well as potential capability and production capacity improvements.

### Aircraft Procurement

- Authorizes funding for eight F-18E/F aircraft.
- Authorizes funding for 16 F-35C aircraft.
- Authorizes funding for 15 F-35B aircraft.
- Authorizes funding for 12 CH-53K helicopters.
- Authorizes funding for two V-22 aircraft.
- Authorizes funding for seven E-2D Hawkeye aircraft.
- Authorizes funding for five KC-130J tanker aircraft.
- Authorizes funding for three MQ-4 Triton unmanned aerial systems.
- Authorizes funding for four MQ-25 Stingray unmanned aerial systems.
- Authorizes funding for five Marine Group 5 unmanned aerial systems



### Weapons Procurement

- Authorizes \$5.9 billion for the procurement of 2,365 Navy munitions, an increase of \$1.1 billion over the President's budget request.
- Authorizes the following additional defense industrial base expansion funding:
  - \$250.0 million for Standard Missiles;
  - \$200.0 million for Naval Strike Missiles;
  - \$53.0 million for Long Range Anti-Ship Missiles;
  - \$51.0 million for Trident II modifications;
  - \$20.0 million for Harpoon missiles.
- Authorizes the following production increases:
  - \$125.4 million for 200 additional Mk-54 torpedoes;
  - \$49.0 million for 55 additional Mk-48 torpedoes;
  - \$25.9 million for 79 additional Sidewinder missiles.

## **INTERNATIONAL SECURITY**

### Bolstering Support for Ukraine and NATO

- Authorizes the full fiscal year 2023 budget request for the European Deterrence Initiative (EDI).
- Extends and modifies the Ukraine Security Assistance Initiative (USAI) and authorizes \$800 million in fiscal year 2023, an increase of \$500 million above the President's budget request.
- Requires a report on DOD plans for the provision of security assistance to Ukraine in the short and medium term.
- Expresses the sense of Congress that the United States' commitment to NATO is ironclad, and emphasizes the importance of maintaining a unified response to Russia's unjust war in Ukraine and other shared security challenges.
- Expresses the sense of Congress that the United States must continue to assist Ukraine in its fight against the unjust and unprovoked attack by Russia, and that oversight and transparency for such assistance is essential to ensure effective and sustained support.
- Requires a report on the framework the Inspectors General have adopted to oversee U.S. assistance to Ukraine and whether there are any gaps in oversight or funding for such activities.
- Requires an assessment of the required U.S. force posture and resourcing needed to implement the National Defense Strategy in Europe and uphold U.S. commitments to NATO.



### **Strengthening U.S. Engagement in the Indo-Pacific Region**

- Extends the Pacific Deterrence Initiative (PDI) through fiscal year 2023, identifies approximately \$11.5 billion of investments in support of PDI objectives, and authorizes approximately an additional \$1 billion to address unfunded requirements identified by the Commander of U.S. Indo-Pacific Command (INDOPACOM).
- Authorizes the Taiwan Enhanced Resilience Act of 2022, including various provisions designed to increase security cooperation with Taiwan consistent with the Taiwan Relations Act.
- Modifies the Indo-Pacific Maritime Security Initiative (MSI) by removing the limitation on funding under the authority and authorizing the use of funds under the authority to facilitate participation of U.S. Coast Guard personnel and capabilities in the execution of training, exercises, and other activities with foreign partners under MSI.
- Requires engagement with the Ministry of Defense of India to expand cooperation on emerging technology, readiness, and logistics.
- Authorizes a pilot program to enhance DOD engagement with young civilian defense and security leaders in the Indo-Pacific region.
- Requires the establishment of a joint force headquarters within the INDOPACOM area of responsibility.

### **Reinforcing International Alliances and Partnerships**

- Authorizes an increase of \$198.5 million for partner capacity building through the International Security Cooperation Programs account within the Defense Security Cooperation Agency and intends for this additional funding to be allocated as follows: \$20 million for SOUTHCOM; \$20 million for AFRICOM; \$5 million for NORTHCOM; and \$100 million for EUCOM.
- Authorizes \$50 million for AFRICOM's intelligence, surveillance, and reconnaissance (ISR) and associated production, exploitation, and dissemination support.
- Requires an independent assessment of DOD efforts to train, advise, assist, and equip the military forces of Somalia.
- Authorizes an increase of \$10 million to support AFRICOM efforts to assess opportunities to diversify the locations of its multilateral military exercises on the African continent.
- Authorizes \$165.3 million for the continued training and equipping of vetted Syrian groups and individuals and extends the waiver for the caps on the costs of construction and repair on a per-project basis, related to temporary and humane detention for one year.
- Extends the authority to provide assistance to Iraq to counter the Islamic State of Iraq and Syria (ISIS), extends a waiver for the caps on the costs of construction and repair on a per-project basis, related to temporary and humane detention for one additional year.



- Provides permanent authority to pay for foreign military forces to receive training under the United States-Colombia Action Plan (USCAP) at Colombian training facilities.
- Extends the authority for the unified counterdrug and counterterrorism campaign under Plan Colombia through 2025.
- Authorizes a pilot program to support engagement with military forces of partner countries on defense-related environmental and operational energy issues.

## DEPARTMENT OF DEFENSE OPERATIONS

### Enhancing DOD Operations and Management

- Requires the Secretary of Defense to deliver additional details on the budgetary effects of inflation with the annual submission of the President's budget.
- Requires the establishment of a Civilian Protection Center of Excellence to serve as the focal point for matters related to civilian casualties and other forms of civilian harm resulting from military operations involving United States Armed Forces and authorizes an additional \$25 million for implementation of the Civilian Harm Mitigation and Response Action Plan.
- Authorizes increased support for Joint All-Domain Command and Control, including establishment of a Joint Force Headquarters in U.S. Indo-Pacific Command, effects chain and mission-based command and control experimentation, novel kill chain development, and acceleration and integration of the Family of Integrated Targeting Cells.
- Requires the Secretary of Defense to develop a Joint Concept for Competing.
- Increases the number of Assistant Secretaries of Defense to 19, the number of Deputy Assistant Secretaries of Defense to 60, makes technical and conforming edits, and designates one of the new ASD positions specifically for Cyber Policy.
- Updates the management reform framework for the Department of Defense, including improved tracking and assessment of cost savings from reform initiatives, as well as reform-focused research.
- Requires the Secretary of Defense to conduct a demonstration of a strategic management dashboard to automate the data collection and visualization of the primary management goals of the Department of Defense.
- Authorizes an increase of \$37.2 million for Overseas Humanitarian, Disaster, and Civic Aid.
- Requires the establishment of a government-industry-academia working group for microelectronics to provide a forum for information sharing and consultation on areas of mutual interest related to microelectronics research, development, and manufacturing.



- Requires a plan for adequately staffing the office of the Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict to fulfill its "service secretary-like" responsibilities for special operations-peculiar administrative matters relating to the organization, training, and equipping of special operations forces.

### **Responding to Evolving Threats**

- Provides temporary authorizations to waive certain contracting restrictions related to contracts for munitions to support Ukraine or to increase the Department's stocks of critical munitions; provides expanded authority to use NATO support logistics agreements for acquisition support activities; and provides multi-year procurement authority for certain munitions.
- Authorizes the establishment of a Center for Security Studies in Irregular Warfare ("Irregular Warfare Center") to serve as a central mechanism for developing the irregular warfare (IW) knowledge of the DOD and advancing IW concepts and doctrine, in collaboration with allies and partners.
- Requires the establishment of a program to increase warning time of potential aggression by adversary nation states.
- Authorizes full funding of the budget request for U.S. Special Operations Command (SOCOM), including approximately \$250 million for unfunded requirements identified by the SOCOM Commander.
- Authorizes an increase of \$120 million for Assault Breaker II-related activities.

### **Investing in Cutting-Edge Technologies**

- Authorizes an increase of \$25 million for low-cost attritable aircraft technology.
- Authorizes an increase of \$75 million for Defense Advanced Research Projects Agency (DARPA) to execute the recommendations of the National Security Commission on Artificial Intelligence.
- Authorizes an increase of \$20 million for DARPA's utility-scale quantum computing activities.
- Authorizes an increase of \$85 million to develop, test, and prototype advanced technology for jamming protection, electronic warfare and signature measurement.
- Authorizes an increase of \$120 million for 5G technology development, experimentation, and transition support, including open radio access network (O-RAN) efforts.
- Authorizes an increase in \$20 million for the Defense Established Program to Stimulate Competitive Research (DEPSCoR).
- Directs the Secretary of Defense to provide support for bioindustrial manufacturing facilities to conduct research and development to support national security or secure fragile supply chains.



- Requires the Department of Defense to submit a strategy and implementation plan for strengthening and fostering defense innovation ecosystems on a quadrennial basis, beginning in 2023.
- Establishes a program to increase the capacity of historically Black colleges or universities or other minority-serving institutions to achieve very high research activity status.
- Requires the Secretary of Defense to develop and implement a capability for quantifiable assurance for security of microelectronics and to establish a Government-Industry Working Group on Microelectronics to provide a forum for information sharing and consultation on areas of mutual interest.
- Requires the Military Secretaries to develop and submit transition plans for 5G information and communications technology infrastructure.

### **Guantanamo Bay**

- Extends through December 31, 2023, existing restrictions relating to the detention facility at the United States Naval Station, Guantanamo Bay, Cuba, specifically:
  - A ban on the transfer of Guantanamo detainees to the United States;
  - A ban on the use of DOD funds to construct or modify facilities in the United States to house Guantanamo detainees;
  - A ban on the use of DOD funds to transfer Guantanamo detainees to Libya, Somalia, Syria, and Yemen, and adds Afghanistan to the list of countries prohibited from receiving Guantanamo detainee transfers or releases.
- Extends through fiscal year 2023 the ban on the use of DOD funds to close the United States Naval Station, Guantanamo Bay, relinquish control over that facility, or to make a material modification to the treaty between the United States and Cuba that would constructively close the Guantanamo Bay facility.

## **CYBERSECURITY**

### **Responding to the Cyber Threat Environment**

- Authorizes an increase of \$44.1 million to support CYBERCOM's Hunt Forward Operations.
- Requires a strategy for converged cyber and electronic warfare conducted by and through deployed military and intelligence assets operating in the radiofrequency domain to provide strategic, operational, and tactical effects in support of combatant commanders.
- Requires a five-year roadmap and implementation plan for rapidly adopting artificial intelligence applications to the warfighter cyber missions within the DOD.



- Directs a biennial, unclassified report through the 2032 election cycle on CYBERCOM efforts to ensure election security and counter election threats.
- Authorizes an increase of \$25 million for the Air Force Cyber Resilience for Weapons Systems (CROWS).
- Authorizes \$20 million for establishment and initial operations of the Nuclear Command, Control, and Communications Rapid Engineering Architecture Collaboration Hub (REACH).
- Authorizes an increase of \$56.4 million for CYBERCOM Joint Cyber Warfighting Architecture development.

### **Strengthening DOD's Cybersecurity Posture**

- Establishes the DOD Cyber and Digital Service Academy as a scholarship-for-service program partnered with universities and colleges in the United States, with a DOD service requirement for participants.
- Requires a study on the military services' responsibilities for organizing, training, and presenting forces to CYBERCOM and recommendations on a future force generation model for cyberspace operations forces.
- Requires the Secretary of the Navy to establish a cyber operations designator and rating.
- Requires the establishment of a program executive office to manage and provide oversight of the implementation and integration of the Joint Cyber Warfighting Architecture.
- Requires a policy and plan, in consultation with commercial industry, on the test and evaluation of the cybersecurity of the clouds of commercial cloud service providers.
- Directs a briefing on the workforce pipeline pilot program through certificate-based courses on cybersecurity and artificial intelligence that are offered by National Security Agency Center for Academic Excellence universities.
- Requires the Secretary of Defense and the Chairman of the Joint Chiefs of Staff to develop a plan and recommendations to correct readiness shortfalls in the Cyber Mission Forces and implement such recommendations.
- Directs a comprehensive review of Cyber Excepted Service.
- Requires an assessment of the framework for cybersecurity of the defense industrial base to determine if alternative or additional course of action are necessary.
- Authorizes an increase of \$10 million to support cyber consortium seedling funding.
- Authorizes an increase of \$20 million for the National Security Agency Center of Academic Excellence cybersecurity workforce pilot program.
- Authorizes an increase of \$20 million for DARPA's enhanced non-kinetic/cyber modeling and simulation activities.
- Authorizes an increase of \$168 million for Cyber Mission Force operational support, including intelligence support to cyberspace operations.



- Authorizes an increase of \$50 million for artificial intelligence systems and applications development at CYBERCOM.

#### **Expanding Capacity for International Alliances and Partnerships in Cyber**

- Requires the Secretary of Defense to align the Department of Defense cybersecurity cooperation enterprise and the Department's cyberspace operational partnerships with the National Defense Strategy, Department of Defense Cyber Strategy, and the 2019 Department of Defense International Cyberspace Security Cooperation Guidance and brief Congress on the implementation activities.
- Establishes a pilot program to allow the Secretary of Defense to share cyber capabilities with operational foreign partners.
- Requires the Secretary of Defense to engage their counterparts within the Ministry of Defense of the Hashemite Kingdom of Jordan for the purpose of expanding cooperation on military cybersecurity activities.
- Requires enhanced training on cyberspace security cooperation at the Defense Security Cooperation University and the Joint Military Attaché School.

## **READINESS AND MANAGEMENT SUPPORT**

#### **Improving Readiness**

- Authorizes the closure of the Red Hill Bulk Fuel Storage Facility in Hawaii, requires a plan for the cleanup, monitoring, and maintenance of the facility following closure.
- Authorizes the land withdrawals necessary to expand the Fallon Range Training Complex.
- Authorizes the continuation of the FireGuard program with National Guard personnel to collect and assess multi-source remote sensing information for interagency partnerships in the detection and monitoring of wildfires across the United States.
- Subject to specified appropriations, provides temporary authority to modify the terms and conditions of a contract or option to provide an economic price adjustment for firm-fixed price type contracts until December 31, 2023.

#### **Reforming Acquisition Policy, Contracting, and Industrial Base Operations**

- Requires the institution of an acquisition reporting system to replace the Selected Acquisition Reports.
- Directs the Navy to implement the remaining recommendations from the GAO report on the Shipyard Infrastructure Optimization Plan.
- Directs a review of controlled unclassified information marking guidance, training, and oversight.
- Requires the creation of a small business integration working group to improve coordination of the Department's small business efforts.



- Increases funding for the Procurement Technical Assistance Center (PTAC) program.
- Creates a pilot program to allow the Department to hold personal clearances of the employees of an innovative technology company while a facility clearance application is being adjudicated.
- Makes updates to other transactions authority (OTAs), including creating a pilot program to use OTAs for facility or installation prototyping.

#### **Strengthening Energy, Environmental, and Health Security**

- Directs the implementation of the recommendations of the equine veterinarian's inspection findings and includes a master plan for the Fort Myer Caisson barns/paddocks and the Fort Belvoir Caisson pasture facility.
- Extends the authorization and funding transfer for the ongoing study and assessment on human health impacts of PFAS in drinking water by the Centers for Disease Control and Prevention.
- Requires a detailed report that looks into the complete cost estimates, material vulnerabilities, and various other cost-benefits assessments before requiring, with certain waivers, that the DOD's fleet of non-tactical vehicles shall be alternatively fueled vehicles by the end of 2030.
- Restores the National Guard's access to the Defense Environmental Restoration Program.

#### **Building Supply Chain and Stockpile Resilience**

- Authorizes \$1 billion for the National Defense Stockpile to acquire strategic and critical materials required to meet the defense, industrial, and essential civilian needs of the United States.
- Requires the National Defense Stockpile Manager to submit a briefing on strategic and critical materials shortfalls.
- Requires the DOD to track the sourcing of contractor-provided rare earth elements and critical materials.

#### **Military Construction**

- Authorizes an increase of \$7.3 billion for military construction to address unfunded requirements, cost to complete, and market adjustment funds due to inflation.
- Requires the Secretary of the Defense, in consultation with the other pertinent Federal agencies, to update the integrated master infrastructure plan to support the defense of Guam.
- Directs a study on the requirements for future land force ranges, training areas, and related facilities in Hawaii in light of posture changes in the Indo-Pacific region, evolving concepts of operations, and posture requirements in support of long-term strategic competition.



- Implements the recommendations contained in the report of the Inspector General of the DOD regarding an audit of medical conditions of residents in privatized military housing.

### **Bolstering Operation and Maintenance**

Authorizes funding increases of:

- \$150.0 million for ship maintenance in support of INDOPACOM campaigning.
- \$189.0 million for ship depot maintenance.
- \$95.7 million for Maritime Prepositioning Force maintenance requirements.
- \$579.2 million for Air Force weapons system sustainment.
- \$919.1 million for LSD, CG, T-ESD, and LCS restorals.
- \$20.0 million in O&M, Defense-wide for the ongoing CDC human health assessment related to contaminated sources of drinking water from PFAS.

## **STRATEGIC FORCES**

### **Nuclear Modernization**

- Establishes a directorate within the Air Force Global Strike Command, known as the Intercontinental Ballistic Missile (ICBM) Task Force, to stand up the LGM-35A Sentinel ICBM weapon system.
- Requires a 20-year plan for the development of the Mark 21A, Mark 7, and other re-entry vehicles.
- Requires a portfolio management approach to activities of the Nuclear Weapons Council, including the National Nuclear Security Administration.
- Requires a senior Air Force official to monitor the industrial base for the production of the B-21 bomber and Sentinel ICBM program.
- Authorizes \$25 million for continued research and development of a nuclear-capable submarine launched cruise missile system.
- Limits retirement of the B83 nuclear gravity bomb until a suitable replacement capability for defeating hard and deeply buried targets can be identified.

### **Missile Defense**

- Authorizes an increase of \$292.5 million to support development of the hypersonic glide-phase interceptor.
- Authorizes an increase of \$252.0 million to increase SM-3 production and expand industrial base capacity.
- Authorizes an increase of \$165.0 million to purchase an additional 15 THAAD interceptors.



- Makes permanent a ban on the exchange of information related to missile defense systems with Russia.
- Requires the designation of a senior DOD individual to be responsible for the missile defense acquisition and sustainment for Guam.
- Requires a plan on integrated air and missile defense architecture for the defense of Guam.
- Authorizes funding for the Iron Dome short-range rocket defense system, David's Sling Weapon System, and Arrow 3 Upper Tier Interceptor Program as outlined under a Memorandum of Agreement between the United States and the Government of Israel.
- Requires a funding plan to Congress that would enable the acquisition of no fewer than 64 Next Generation Interceptors to ensure a common fleet and reliability of the Ground Based Missile Defense System.

### **Space Systems**

- Requires a strategy and requirements for the protection of DOD satellites.
- Expands existing legislation on tactically responsive 'launch' operations to tactically responsive 'space' operations.
- Authorizes research and education activities between the Space Force and universities.
- Requires a review by the Secretary of Defense on whether the Space Development Agency should be exempt from the Joint Integration and Development System in order to speed overall fielding of proliferated space systems.

### **Electronic Warfare**

- Requires participation of electronic warfare assets in large-scale joint service exercises.

### **Nonproliferation Efforts**

- Authorizes \$354.4 million for the Cooperative Threat Reduction program.

### **Department of Energy**

#### ***National Security Programs and Authorizations***

- Authorizes \$22.3 billion for the activities of the NNSA.
- Authorizes \$6.8 billion for the DOE's defense environmental cleanup activities.
- Authorizes \$978.4 million for DOE other defense activities.
- Authorizes \$156.6 million for DOE nuclear energy activities.
- Increases the threshold for minor construction to \$30 million, indexed to inflation for three years.

### ***Budget and Financial Management Matters***



- Authorizes an increase of \$20 million to continue the NNSA's research and development of the W80-4 ALT Sea-Launched Cruise Missile warhead.
- Authorizes an increase of \$500 million to reduce risks associated with meeting the statutory requirement to produce no fewer than 80 plutonium pits per year by 2030.

***Environmental Security***

- Updates the existing plan for deactivating retired NNSA facilities such as those found at the Y-12 manufacturing plant.

**Maritime Administration**

- Includes the Maritime Administration Authorization Act of 2022.