

TOPLINE AMENDMENT

PROCUREMENT		
Title	Addition to Chairman's Mark	Description
F-16,	\$100,000,000	ANG AESA Radars - UPL
H-60,	\$20,000,000	restore degraded visual environment
CV-22 Mods,	\$77,400,000	SOCOM - CV-22 Reliability Acceleration
Classified Programs,	\$40,000,000	Classified modifications - program increase
Utility F/W Aircraft,	\$14,000,000	Avionics upgrade
UH-60 Blackhawk M Model (MYP),	\$211,500,000	UH-60 Black Hawk for Army Guard
CH-47 Helicopter,	\$111,100,000	Army UPL
Utility Helicopter Mods,	\$25,000,000	UH-72 modernization
F/A-18E/F (Fighter) Hornet,	\$121,000,000	Spares and fielding
JSF STOVL,	\$128,800,000	F-35B PGSE & Depot Support - USMC UPL
V-22 (Medium Lift),	\$164,400,000	two additional aircraft
P-8A Poseidon,	\$340,000,000	two additional aircraft
E-2D Adv Hawkeye,	\$191,000,000	Navy UPL
KC-130J,	\$197,000,000	two additional aircraft - Navy UPL
KC-130J,	\$197,000,000	two additional aircraft - USMC UPL
MQ-9A Reaper,	\$40,000,000	Navy UPL
F-18 A-D Unique,	\$27,500,000	AESA Radar Upgrades - USMC UPL
F-18 A-D Unique,	\$55,000,000	RWR Upgrades - USMC UPL
Spares And Repair Parts,	\$117,800,000	F-35B spare engines - USMC UPL
Joint Air-To-Ground Missiles (JAGM),	\$67,000,000	Army UPL
Javelin (AAWS-M) System Summary,	\$15,000,000	JAVELIN Lightweight Command Launch Units (LWCLU) - Army UPL
Guided MLRS Rocket (GMLRS),	\$50,000,000	Program increase - Army UPL
Guided MLRS Rocket (GMLRS),	\$20,000,000	Army UPL
Three Dimensional Long-Range Radar (3DELRR),	\$164,000,000	ANG/Cyber Requirements - AF UPL
3D Expeditionary Long-Range Radar,	\$55,000,000	Build Command and Control Framework
General Information Technology,	\$30,530,000	INDOPACOM Mission Partner Environment
General Information Technology,	\$13,800,000	EUCOM - MPE MOB/FOB
General Information Technology,	\$28,000,000	Military Information Support Operations – USAF UPL

Base Comm Infrastructure,	\$55,000,000	EUCOM - Modernize IT infrastructure
Base Comm Infrastructure,	\$55,000,000	Modernize Essential Warfighter IT infrastructure – USAF UPL
Base Comm Infrastructure,	\$7,000,000	Improve Space Digital Integrated Network and Network Switches – USSF UPL
Classified Programs,	\$150,000,000	Classified programs
Semitrailers, Flatbed,	\$6,392,000	M872A4 trailer - Army UPL
Joint Light Tactical Vehicle Family of Vehicles,	\$120,000,000	Program increase
Truck, Dump, 20T (CCE),	\$10,000,000	Heavy Dump, M917A3
Modification of In Svc Equip,	\$183,301,000	HMMWV modifications
Base Support Communications,	\$15,000,000	Land Mobile Radios
Installation Info Infrastructure Mod Program,	\$2,040,000	EUCOM - MPE USAREUR
DCGS-A-Intel,	\$26,950,000	Army UPL
Automated Data Processing Equip,	\$3,000,000	ATRRS Unlimited Data Rights - UPL
Robotics and Applique Systems,	\$10,000,000	Common Robotic System - Individual (CRS-I) - Army UPL
Render Safe Sets Kits Outfits,	\$3,158,000	Army UPL
Distribution Systems, Petroleum & Water,	\$4,420,000	Army UPL
Combat Support Medical,	\$6,250,000	Mobile digital x-ray units
Ship Maintenance, Repair and Modernization,	\$167,400,000	A-120 Availabilities - UPL
Cooperative Engagement Capability,	\$13,300,000	Maritime Outfitting and Spares - UPL
Cooperative Engagement Capability,	\$8,983,000	Navy Tactical Grid Development for JADC2 - UPL
CANES,	\$29,000,000	Resilient PNT - UPL
Ship Communications Automation,	\$8,983,000	Navy Tactical Grid Development for JADC2 - UPL
Ship Communications Automation,	\$29,000,000	Resilient PNT - UPL
Spares and Repair Parts,	\$92,700,000	Maritime Outfitting and Spares - UPL
CTG, 5.56MM, All Types,	\$15,920,000	Small Caliber Ammo - Army UPL
CTG, 40MM, All Types,	\$14,000,000	Medium Caliber Ammo - Army UPL
Artillery Cartridges, 75MM & 105MM, All Types,	\$30,844,000	Army UPL
Rocket, Hydra 70, All Types,	\$3,800,000	Program increase
Industrial Facilities,	\$12,000,000	Pyrotechnics Energetic Capability (LCAAP) - Army UPL
Industrial Facilities,	\$12,500,000	Solvent Propellant Facility (RAAP) - Army UPL
Industrial Facilities,	\$40,000,000	Demo/Environmental remediation (RAAP) - Army UPL

Industrial Facilities,	\$40,000,000	Environmental, Safety, Construction, Maintenance and Repair GOCO - Army UPL
Stryker Upgrade,	\$139,000,000	Program increase
Bradley Program (Mod),	\$56,969,000	Program increase for IBAS - Army UPL
Paladin Integrated Management (PIM),	\$77,515,000	Program increase
Joint Assault Bridge,	\$4,000,000	Restore Cut
Abrams Upgrade Program,	\$234,457,000	Army UPL
Mortar Systems,	\$12,853,000	Mortar cannons - Army UPL
M777 Mods,	\$1,795,000	S/W Defined Radio-Hardware Integration kits - Army UPL
M2 50 Cal Machine Gun Mods,	\$17,915,000	M2A1 machine guns - Army UPL
THAAD,	\$109,579,000	12 additional systems
SM-3 IAS,	\$20,500,000	one additional system
Defense of Guam Procurement,	\$40,000,000	restore transfer to RDT&E
CV-22 Modification,	\$5,810,000	SOCOM - CV-22 Reliability Acceleration
Underwater Systems,	\$5,200,000	SOCOM Combat Diving Advanced Equipment Acceleration
Underwater Systems,	\$900,000	SOCOM - Modernized Forward Look Sonar
Special Programs,	\$31,180,000	SOCOM - Medium Fixed Wing Mobility Modifications
Warrior Systems <\$5M,	\$15,000,000	Radio Integration System Program Upgrade
Operational Enhancements,	\$33,303,000	SOCOM - Armored Ground Mobility Systems (AGMS) Acceleration
Operational Enhancements,	\$28,000,000	SOCOM - Fused Panoramic Night Vision Goggles Acceleration
Agile Procurement Transition Pilot,	\$100,000,000	New Initiative
Amphibious Combat Vehicle Family Of Vehicles,	\$7,000,000	Restore Cut
Items under \$5 Million (Comm & Elec),	\$9,000,000	Fly-Away Broadcast System (FABS) - USMC UPL
Items under \$5 Million (Comm & Elec),	\$16,900,000	Improved Night/Day Observation Device (INOD) Block III - USMC UPL
Ground/Air Task Oriented Radar (G/ATOR),	\$44,000,000	AN/TPS-80 Retrofit Kits - USMC UPL
Ground/Air Task Oriented Radar (G/ATOR),	\$304,000,000	AN/TPS-80 Procure (+8) - USMC UPL
Intelligence Support Equipment,	\$5,600,000	SCINet - USMC UPL
Common Computer Resources,	\$7,500,000	(SONIC) - Enterprise Infrastructure Modernization (EIM)

Common Computer Resources,	\$6,300,000	Marine Corps Hardware Suite (MCHS) End User Devices (EUD) Refresh
Common Computer Resources,	\$19,100,000	NGEN Infrastructure Refresh
Comm & Elec Infrastructure Support,	\$15,800,000	NETWORK Base Telecommunications Infrastructure (BTI) - USMC UPL
Cyberspace Activities,	\$21,200,000	Defensive Cyber Operations (DCO) - Internal Defensive Measures (IDM) Kits
EOD Systems,	\$5,400,000	Instrument Set, Recon and Survey (ENFIRE) - USMC UPL
EOD Systems,	\$7,800,000	Buried Command Wire Detector (BCWD) - USMC UPL
Family of Construction Equipment,	\$5,000,000	Rough Terrain Container Handler (RTCH) - USMC UPL
Family of Construction Equipment,	\$10,800,000	All-Terrain Crane (ATC) - USMC UPL
Items	\$10,600,000	Lightweight Water Purification System - USMC UPL
General Information Tech - Space,	\$4,700,000	Increase satellite control capacity UPL
General Information Tech - Space,	\$1,800,000	Modernize Space Aggressor Equipment
Ohio Replacement Submarine,	\$75,000,000	Columbia partial restoral
Virginia Class Submarine,	\$567,000,000	Industrial base expansion to 3 VA class/year starting in FY 2025
DDG-51,	\$1,530,000,000	one additional ship
DDG-51,	\$130,000,000	AP for a third ship in FY 2023
LHA Replacement,	\$1,200,000,000	one additional ship
Expeditionary Fast Transport (EPF),	\$270,000,000	one additional ship
TAO Fleet Oiler,	\$668,200,000	one additional ship
TAO Fleet Oiler,	\$76,012,000	AP restoral
Ship to Shore Connector,	\$130,000,000	Ship to Shore Connector
MK-48 Torpedo,	\$50,000,000	Heavyweight Torpedo - Navy UPL
Spares and Repair Parts,	\$4,300,000	Maritime Outfitting and Spares - UPL
National Guard and Reserve Equipment,	\$850,000,000	Program increase

Research, Development, Test, and Evaluation		
Title	Addition to Chairman's Mark	Description
Live Fire Test and Evaluation,	\$2,500,000	Thinking Red
Defense Research Sciences,	\$19,520,000	Program increase
University Research Initiatives,	\$11,811,000	Program increase

Materials,	\$7,500,000	Digital Maintenance Advisor
Materials,	\$7,500,000	3D Printed Infrastructure – Cold Weather Capabilities (ICON)
Materials,	\$25,000,000	Program Increase
Aerospace Vehicle Technologies,	\$2,500,000	Nano-UAS for the Military Warfighter
Aerospace Sensors,	\$9,000,000	Cyber Assurance and Assessment of Electronic Hardware Systems
Conventional Munitions,	\$10,000,000	Advanced Propulsion Technology for Hypersonic Systems
Advanced Materials for Weapon Systems,	\$15,000,000	Composites Research
Advanced Aerospace Sensors,	\$9,300,000	Authorization Software for Autonomous Sensors
Aerospace Technology Dev/Demo,	\$15,000,000	Enhanced Capability Hypersonic Airbreathing Testbed
Aerospace Propulsion and Power Technology,	\$20,000,000	Ground Testing of Reusable High Mach Turbine Engines
Aerospace Propulsion and Power Technology,	\$30,000,000	Next Generation UAS Propulsion Development
Aerospace Propulsion and Power Technology,	\$10,000,000	Turbine engine technology
Aerospace Propulsion and Power Technology,	\$29,500,000	Reusable High Mach Turbine engine
Advanced Weapons Technology,	\$5,000,000	LIDAR CUAS Automated Target Recognition
Manufacturing Technology Program,	\$10,000,000	Smart Manufacturing Digital Thread Initiative
Manufacturing Technology Program,	\$95,000,000	Program Increase
Manufacturing Technology Program,	\$2,000,000	Universal Robotic Controller
Manufacturing Technology Program,	\$8,000,000	Virtual, Augmented, and Mixed Reality Readiness
Tech Transition Program,	\$80,000,000	NORTHCOM/NORAD - Proliferated Low Earth Orbit Arctic Communications (P-LEO)
Three Dimensional Long-Range Radar (3Delrr),	\$50,000,000	Build Command and Control Framework
North Warning System (NWS),	\$25,100,000	NORTHCOM/NORAD - Over the Horizon Radar
Dragon U-2,	\$19,000,000	ASARS processor and antenna development - AF UPL
Airborne Reconnaissance Systems,	\$67,000,000	ASARS processor and antenna development - AF UPL
Airborne Reconnaissance Systems,	\$18,300,000	Wide Area Motion Imagery sensor improvements

Defense Research Sciences,	\$5,000,000	Lightweight, High Entropy Alloy Research
Defense Research Sciences,	\$22,047,000	Program Increase
University Research Initiatives,	\$5,828,000	Program Increase
University And Industry Research Centers,	\$5,000,000	SMART and Cognitive Research for RF/Radar
Artificial Intelligence and Machine Learning Basic Research,	\$5,000,000	Program Increase
Ground Technology,	\$10,000,000	Programmatic Funding Increase to Ground Technology
Ground Technology,	\$6,000,000	Modeling Enabled Multifunctional Materials Development (MEMMD)
Ground Technology,	\$7,000,000	Program Increase
Ground Technology,	\$9,000,000	Additive Manufacturing Materials
Next Generation Combat Vehicle Technology,	\$8,000,000	Prototyping Energy Smart Autonomous Ground Systems
Network C3I Technology,	\$10,000,000	Distributed Radio Frequency Sensor/Effector Technology for Strategic Defense
Network C3I Technology,	\$6,000,000	Intelligent Electronic Protection Technologies
Network C3I Technology,	\$10,000,000	Alternative PNT
Long Range Precision Fires Technology,	\$5,000,000	Machine Learning for Army Integrated Fires
Long Range Precision Fires Technology,	\$5,250,000	Precision Long Range Integrated Strike (PLRIS)
Long Range Precision Fires Technology,	\$10,000,000	Novel Printed Armaments Components
Air And Missile Defense Technology,	\$15,000,000	Cyber Electromagnetic (CEMA) Missile Defender
Air Platform Applied Research,	\$5,000,000	High Density eVTOL Power Source
Ground Advanced Technology,	\$12,000,000	Ground Advanced Technology - 3D Printed Structures
Ground Advanced Technology,	\$5,000,000	Advanced Entry Control Point Design
Ground Advanced Technology,	\$10,000,000	Program Increase
Ground Advanced Technology,	\$12,500,000	3D Printing of Infrastructure (ICON)
High Performance Computing Modernization Program,	\$32,400,000	Program Increase
Network C3I Advanced Technology,	\$10,000,000	C3I Assured Position, Navigation, and Timing Technology
Network C3I Advanced Technology,	\$8,400,000	Infrastructure Smart Technology
Long Range Precision Fires Advanced Technology,	\$10,000,000	Project AG5

Long Range Precision Fires Advanced Technology,	\$10,000,000	Extended Range Artillery Munition Suite (ERAMS)
Army Missile Defense Systems Integration,	\$8,000,000	PNT Resiliency Lab
Army Missile Defense Systems Integration,	\$10,000,000	Electro-Magnetic Denial and Protect
Night Vision Systems Advanced Development,	\$3,804,000	Soldier Maneuver Sensors Adv Dev Lethality Smart System - Army UPL
Light Tactical Wheeled Vehicles,	\$5,600,000	Electric Light Recon Vehicle - Army UPL
Weapons and Munitions Product Improvement Programs,	\$8,000,000	Agile Manufacturing for Advanced Armament Systems
Weapons and Munitions Product Improvement Programs,	\$8,000,000	Agile Manufacturing for Advanced Armament Systems
Improved Turbine Engine Program,	\$40,000,000	Army Improved Turbine Engine Program
Intel Cyber Development,	\$8,860,000	Cyber-Info Dominance Center
Global Combat Support System,	\$9,000,000	ERP Convergence
End Item Industrial Preparedness Activities,	\$15,000,000	Digital Night Vision Cameras
Dtra Basic Research,	\$877,000	Program increase
Defense Research Sciences,	\$7,000,000	Biotechnology for Challenging Environments
Defense Research Sciences,	\$20,000,000	ERI 2.0
Defense Research Sciences,	\$10,000,000	Artificial Intelligence (AI) – Trustworthy, Human Integrated, Robust
Defense Research Sciences,	\$10,000,000	High Assurance Software Systems – Resilient, Adaptable, Trustworthy
Defense Research Sciences,	\$10,000,000	Adversary Influence Operations (IO) – Detection, Modeling, Mitigation.
Basic Research Initiatives,	\$4,533,000	Program Increase
Basic Research Initiatives,	\$3,300,000	Interagency AI Standards
Basic Operational Medical Research Science,	\$5,000,000	Assessing Immune Memory
National Defense Education Program,	\$3,000,000	SMART Scholarships for AI related education
National Defense Education Program,	\$7,000,000	SMART Scholarships for AI related education
Historically Black Colleges and Universities/Minority Institutions,	\$10,000,000	Diversity in SMART scholarships
Historically Black Colleges and Universities/Minority Institutions,	\$10,000,000	Program Increase
Chemical And Biological Defense Program,	\$5,000,000	Chemically Resistant, High-Performance Military Cordage, Rope, and Webbing

Biomedical Technology,	\$5,000,000	Non-Invasive Neurotechnology Rehabilitation Take Home Trials
Biomedical Technology,	\$5,000,000	Bridging the Gap After Spinal Cord Injury
Defense Technology Innovation,	\$10,000,000	Artificial Intelligence (AI) – Trustworthy, Human Integrated, Robust
Applied Research For The Advancement Of S&T Priorities,	\$200,000,000	AI Research and Development
Information & Communications Technology,	\$60,000,000	Underexplored Approaches to Utility-Scale Quantum Computing
Information & Communications Technology,	\$15,000,000	High Assurance Software Systems – Resilient, Adaptable, Trustworthy
Information & Communications Technology,	\$250,000,000	Program increase - artificial intelligence
Chemical And Biological Defense Program,	\$6,500,000	Biodetection System for Joint Force Infrastructure Protection
Cyber Security Research,	\$10,000,000	AI-enabled cyber defense acceleration study
Cyber Security Research,	\$10,000,000	Program Increase
Tactical Technology,	\$2,000,000	Adapting Cross-domain Kill-Webs (ACK)
Tactical Technology,	\$15,000,000	Adversary Influence Operations (IO) – Detection, Modeling, Mitigation.
Tactical Technology,	\$30,000,000	MADFIRES
Materials And Biological Technology,	\$5,000,000	Regenerative Engineering for Complex Tissue Regeneration & Limb Reconstruction
Materials And Biological Technology,	\$9,000,000	Neuroprotection from Brain Injury
Materials And Biological Technology,	\$6,000,000	Bioengineered Electronics and Electromagnetic Devices (Bio-INC)
Materials And Biological Technology,	\$7,000,000	Bioremediation of Battlefields
Materials And Biological Technology,	\$5,000,000	Material Protection through Biologics
Materials And Biological Technology,	\$4,600,000	Adaptive Immunomodulation-Based Therapeutics (ElectRx)
Materials And Biological Technology,	\$5,000,000	Maritime Materials Technologies (M2T)
Materials And Biological Technology,	\$20,000,000	Scalable and Affordable Mapping of U.S. Critical Mineral Resources
Materials And Biological Technology,	\$20,000,000	Agile Chemical Manufacturing Technologies (ACMT)
Electronics Technology,	\$36,000,000	ERI 2.0
High Energy Laser Research,	\$20,000,000	Joint Directed Energy Transition Office

Advanced Concepts and Performance Assessment,	\$5,200,000	Improvements to MDS Cybersecurity UPL
Advanced Concepts and Performance Assessment,	\$8,700,000	BATMAA BMDS Advanced Technology
Advanced Aerospace Systems,	\$10,000,000	Hypersonic Air-Breathing Weapon Concept (HAWC)
Advanced Aerospace Systems,	\$15,000,000	Tactical Boost Glide (TBG)
Advanced Aerospace Systems,	\$27,000,000	HAWC
Advanced Aerospace Systems,	\$20,000,000	Glide Breaker
Advanced Aerospace Systems,	\$27,000,000	OpFires
Space Programs and Technology,	\$25,000,000	Blackjack critical risk reduction
Space Programs and Technology,	\$30,000,000	Blackjack schedule assurance
Space Programs and Technology,	\$30,000,000	Robotic Servicing of Geosynchronous Satellites (RSGS)
Basic Research Initiatives,	\$10,000,000	Analytic Assessments
Advanced Innovative Analysis and Concepts,	\$5,000,000	Innovative operational concepts
Defense Modernization and Prototyping,	\$3,000,000	Defense Critical Supply Chain Documentation and Monitoring
Defense Modernization and Prototyping,	\$20,000,000	WLIF AI-enabled applications
Joint Electronic Advanced Technology,	\$20,000,000	Accelerating Joint Electronic Advanced Technologies
Networked Communications Capabilities,	\$7,000,000	Cross-domain EMS communications capability
Defense-Wide Manufacturing Science and Technology Program,	\$15,000,000	Program Increase
Defense-Wide Manufacturing Science and Technology Program,	\$100,000,000	Hypersonics material innovation - Silicon carbide matrix materials
Manufacturing Technology Program,	\$10,000,000	Modeling and Simulation Innovation Competition
Manufacturing Technology Program,	\$10,000,000	Steel Performance Initiative
Emerging Capabilities Technology Development,	\$2,400,000	NORTHCOM/NORAD - Polar Over the Horizon Radar (POTHR)
Emerging Capabilities Technology Development,	\$200,000,000	AI Fund
Advanced Electronics Technologies,	\$24,000,000	ERI 2.0
Command, Control and Communications Systems,	\$5,000,000	Network UP
Command, Control and Communications Systems,	\$14,000,000	Classified increase
Command, Control and Communications Systems,	\$7,000,000	Classified increase

Command, Control and Communications Systems,	\$1,500,000	SHARE ICN performance enhancements for operational use
Command, Control and Communications Systems,	\$1,100,000	SHARE alignment with OTNK research
Command, Control and Communications Systems,	\$50,000,000	Program increase - artificial intelligence
Network-Centric Warfare Technology,	\$50,000,000	Assault Breaker II
Network-Centric Warfare Technology,	\$9,400,000	Classified increase
Network-Centric Warfare Technology,	\$11,000,000	Classified increase
Network-Centric Warfare Technology,	\$6,700,000	Air Combat Evolution (ACE)
Network-Centric Warfare Technology,	\$1,500,000	Air Combat Evolution (ACE)
Network-Centric Warfare Technology,	\$5,000,000	Timely Information for Maritime Engagements (TIMEly)
Network-Centric Warfare Technology,	\$875,000	Ocean of Things (OoT)
Sensor Technology,	\$25,000,000	Thermal Imaging Technology Experiment-Recon (TITE-R)
Sensor Technology,	\$11,000,000	Thermal Imaging Technology Experiment-Recon (TITE-R)
Sensor Technology,	\$4,400,000	Systems of Systems-Enhanced Small Units (SESU)
Sensor Technology,	\$12,000,000	Classified increase
Sensor Technology,	\$4,400,000	SECTRE Munitions Digital Twin for in Theater/Flight Target Additions and Performance Improvements
Sensor Technology,	\$8,000,000	Classified increase
Sensor Technology,	\$4,000,000	Classified increase
Sensor Technology,	\$3,800,000	Classified increase
Distributed Learning Advanced Technology Development,	\$2,800,000	Systems of Systems-Enhanced Small Units (SESU)
Software Engineering Institute,	\$300,000	CODE enhancements for SESU
CWMD Systems,	\$5,000,000	Data storage capabilities for special operations forces
Spectrum Access Research and Development,	\$50,000,000	Spectrum Management Analysis
Spectrum Access Research and Development,	\$20,000,000	Spectrum Management Architecture
Spectrum Access Research and Development,	\$30,000,000	Spectrum Management Modules for Fielded Systems
Acquisition Enterprise Data & Information Services,	\$125,000,000	CDO: Enterprise data sets
Acquisition Enterprise Data & Information Services,	\$5,000,000	CDO for ADA

Ballistic Missile Defense Terminal Defense Segment,	\$64,567,000	
Ballistic Missile Defense Midcourse Defense Segment,	\$50,000,000	Ensure BMD Interceptors do not fall below 40
Ballistic Missile Defense Sensors,	\$3,012,000	Improvements to MDS Cybersecurity UPL
BMD Enabling Programs,	\$44,830,000	Improvements to MDS Cybersecurity UPL
BMD Enabling Programs,	\$27,000,000	Cruise Missile Defense for HLD (NORTHCOM/NORAD - Elevated Radar)
BMD Enabling Programs,	\$20,166,000	Pacing the Threat
AEGIS BMD,	\$98,963,000	
AEGIS BMD,	\$48,400,000	Navy SPY Radar Digital Upgrade
Ballistic Missile Defense Command and Control, Battle Management and Communication,	\$2,000,000	Improvements to MDS Cybersecurity UPL
Ballistic Missile Defense Command and Control, Battle Management and Communications	\$4,480,000	JADC2 Interface
Ballistic Missile Defense Targets,	\$5,000,000	Advanced Target Front End Configuration 3 Tech Maturation
Ballistic Missile Defense Targets,	\$10,000,000	MDS Architecture IAC Prototype
Ballistic Missile Defense Targets,	\$10,000,000	Architecture RTS Development
Guam Defense Development,	\$154,450,000	Guam Defense System
Hypersonic Defense,	\$62,000,000	Program Increase
Advanced Innovative Technologies,	\$100,000,000	Mission-Based Acquisition
Trusted & Assured Microelectronics,	\$15,000,000	Trusted and Assured GaN and GaAs RFIC Technology
Trusted & Assured Microelectronics,	\$18,000,000	Radiation-Hardened Application Specific Integrated Circuits
Trusted & Assured Microelectronics,	\$6,800,000	Advanced Analog & Mixed Signal Microelectronics Design and Manufacturing
Rapid Prototyping Program,	\$79,000,000	ADA network resiliency/cloud
Chemical And Biological Defense Program - EMD,	\$70,480,000	Joint Vaccine Acquisition Program
OUSD(C) It Development Initiatives,	\$18,000,000	ADVANA for ADA
Central Test and Evaluation Investment Development (CTEIP),	\$900,000	Support Funding for Cyber Resiliency
Maintaining Technology Advantage,	\$38,000,000	Regional Secure Computing Enclave Pilot
Defense Technology Analysis,	\$10,000,000	ISR & information operations

C4I Interoperability,	\$5,000,000	Joint Warfighting Network Architecture
COCOM Exercise Engagement and Training Transformation (CE2T2) - Non-MHA,	\$20,000,000	CENTCOM - CE2T2 EAGER LION Exercises
COCOM Exercise Engagement and Training Transformation (CE2T2) - Non-MHA,	\$18,000,000	AFRICOM - Joint Exercise Program
Joint Artificial Intelligence,	\$100,000,000	Commercial AI for Business Applications
Joint Artificial Intelligence,	\$100,000,000	AI-enabled logistics and sustainment
Joint Artificial Intelligence,	\$57,800,000	JAIC for ADA
Industrial Base Analysis and Sustainment Support,	\$20,000,000	Machine and Advanced Manufacturing - IACMI
Industrial Base Analysis and Sustainment Support,	\$16,600,000	3D Heterogeneous Integration and Advanced Packaging for Microelectronics
Industrial Base Analysis and Sustainment Support,	\$15,400,000	Accelerated Training in Defense Manufacturing (ATDM) Pilot
Information Systems Security Program,	\$12,100,000	Hardening DOD Networks
Information Systems Security Program,	\$150,000,000	JFHQ DODIN Staffing and Tools
Operational Enhancements,	\$13,000,000	Mobile Compact High Energy Laser (MCHL)
Operational Enhancements,	\$40,000,000	AI in Small Unit Maneuver
Warrior Systems,	\$4,211,000	SOCOM - Maritime Scalable Effects Acceleration
Algorithmic Warfare Cross Functional Teams - Software Pilot Program,	\$10,000,000	Program Increase
Algorithmic Warfare Cross Functional Teams - Software Pilot Program,	\$36,000,000	MAVEN for ADA
University Research Initiatives,	\$8,688,000	Program Increase
University Research Initiatives,	\$9,000,000	Program Increase
In-House Laboratory Independent Research,	\$23,399,000	Program Increase
Defense Research Sciences,	\$3,000,000	Program Increase
Power Projection Applied Research,	\$10,000,000	Multi-Mission UAV-borne Electronic Attack
Force Protection Applied Research,	\$5,000,000	Program Increase
Warfighter Sustainment Applied Research,	\$5,000,000	High Mobility Ground Robots to Assist Dismounted Infantry in Urban Operations
Ocean Warfighting Environment Applied Research,	\$20,000,000	Program Increase
Undersea Warfare Applied Research,	\$4,000,000	Academic Partnerships for Undersea Vehicle Research & Manufacturing

USMC Advanced Technology Demonstration (ATD),	\$9,600,000	Next Generation Logistics – Autonomous Littoral Connector
USMC Advanced Technology Demonstration (ATD),	\$5,300,000	Maritime Targeting Cell - Expeditionary (MTC-X)
USMC Advanced Technology Demonstration (ATD),	\$25,000,000	Low Cost Attributable Aircraft Technology
Innovative Naval Prototypes (INP) Advanced Technology Development,	\$10,000,000	Attributable Group III Ultra-Long Endurance Unmanned Aircraft for Persistent ISR
Innovative Naval Prototypes (INP) Advanced Technology Development,	\$5,000,000	Program increase - railgun
Navy Energy Program,	\$10,000,000	AR3P Auto Refueling System
Digital Warfare Office,	\$8,983,000	Navy Tactical Grid Development for JADC2
Next Generation Logistics,	\$5,000,000	Additive Manufacturing Part Screening and Selection Software Tool
Conventional Prompt Strike (CPS),	\$126,000,000	Conventional Prompt Strike (CPS) RDT&E
Joint Tactical Radio System - Navy (JTRS-Navy),	\$8,983,000	Navy Tactical Grid Development for JADC2
New Design SSN,	\$150,000,000	SSN Block VI design and advanced capabilities
Common Avionics,	\$31,900,000	MAGTF Agile Network Gateway Link (MANGL) Wholeness: Tactical
Ground/Air Task Oriented Radar (G/ATOR),	\$12,000,000	Naval Integrated Fire Control - USMC UPL
Ground/Air Task Oriented Radar (G/ATOR),	\$12,000,000	Radar Signal Processor Refresh - USMC UPL
Ground/Air Task Oriented Radar (G/ATOR),	\$23,000,000	SENSOR AN/TPS-80 Ground/Air Task-Oriented Radar (G/ATOR): Air Traffic Control (ATC) Block IV Development - USMC UPL
Marine Corps Communications Systems,	\$2,800,000	Compact Solid State Antenna (CSSA) - USMC UPL
Afloat Networks,	\$8,983,000	Navy Tactical Grid Development for JADC2
Space Advanced Technology Development/Demo,	\$61,000,000	Accelerate Cislunar Flight Experiment UPL
Space Systems Prototype Transitions (SSPT),	\$28,000,000	Expand Blackjack Radio Frequency Payloads UPL
Space Security and Defense Program,	\$15,000,000	Program Increase
Space Situation Awareness Systems,	\$9,000,000	Space domain rapid innovation pathfinders UPL

National Security Space Launch Program (Space) - EMD,	\$9,200,000	Liquid Oxygen Explosive Tests UPL
Space and Missile Test and Evaluation Center,	\$4,000,000	Improve operations of payload adapter UPL
Space Innovation, Integration and Rapid Technology Development,	\$15,300,000	NSTTR Digital Core Services UPL

Operation and Maintenance		
Title	Addition to Chairman's Mark	Description
Cooperative Threat Reduction,	\$105,000,000	Program Increase
Combat Enhancement Forces,	\$53,000,000	CENTCOM - MQ-9 Combat Lines
Air Operations Training (OJT, Maintain Skills),	\$5,000,000	Contract Adversary Air
Flying Hour Program,	\$23,300,000	Cyber Training – UPL
Flying Hour Program,	\$500,000	CYBERCOM - HUMINT
Flying Hour Program,	\$4,800,000	CYBERCOM - Acquisition Personnel
Global C3I and Early Warning,	\$9,200,000	EUCOM - MPE Air Component Battle Network
US CENTCOM,	\$24,000,000	CENTCOM Military Information Support Operations (MISO)
USSPACECOM,	\$57,000,000	Program Increase
Mission Support Operations,	\$5,900,000	ANG HRF/CERFP Sustainment w/in WMD - UPL
Force Readiness Operations Support,	\$5,100,000	ARNG Weapons of Mass Destruction / Civil Support Teams (WMD-CST) Equipment Sustainment - UPL
Cyberspace Activities - Cyberspace Operations,	\$6,300,000	Joint Information Exchange Environment - UPL
Administration,	\$6,300,000	ARNG Joint Information Exchange Environment - UPL
Force Readiness Operations Support,	\$65,050,000	Arctic OCIE for Fort Drum, Fort Carson, and Alaska bases - UPL
Force Readiness Operations Support,	\$13,867,000	Arctic Cold Weather Gloves - UPL
Force Readiness Operations Support,	\$40,300,000	CENTCOM - Heavy Lift Logistics
Force Readiness Operations Support,	\$14,820,000	Industrial Base Special Installation Control Systems
Force Readiness Operations Support,	\$13,070,000	Garrison Installation Facilities-Related Control Systems (FRCS)

Land Forces Systems Readiness,	\$34,000,000	CENTCOM - COMSAT air time transponder leases
Operation and Maintenance, Army,	\$89,017,000	Tactical Combat Vehicle Repair Cycle Float (RCF) - UPL
US Africa Command,	\$67,000,000	AFRICOM Unmanned Contract ISR
US Africa Command,	\$16,500,000	AFRICOM - COMSATCOM leases
US European Command,	\$26,765,000	EUCOM - Information Operations maintain FY21 level
US European Command,	\$9,708,000	EUCOM - MPE NATO C2 NATO Response Force
US European Command,	\$4,500,000	EUCOM - MPE BICES rapid intel capabilities
US European Command,	\$1,005,000	EUCOM - MPE OSINT
US Southern Command,	\$4,400,000	SOUTHCOM - HUMINT in the Cyber Domain
US Southern Command,	\$3,400,000	SOUTHCOM - Enhanced Domain Awareness
Cyberspace Activities - Cyberspace Operations,	\$4,660,000	MRCT / Cyber I&W / Ops Cell - UPL
Cyberspace Activities - Cyberspace Operations,	\$14,630,000	Security Operations Center as a Service - UPL
Cyberspace Activities - Cyberspace Operations,	\$13,630,000	Critical Infrastructure Risk Management Cyber Resiliency Mitigations (GOCO) - UPL
Cyberspace Activities - Cybersecurity,	\$15,469,000	Information Technology Infrastructure Support (ITIS)
Cyberspace Activities - Cybersecurity,	\$12,886,000	Data and Applications Support Task Order (DASTO)
Cyberspace Activities - Cybersecurity,	\$1,320,000	Cybersecurity Support Services Task Order (CSSTO)
Cyberspace Activities - Cybersecurity,	\$10,066,000	Harden CSS VSAT Network
Cyberspace Activities - Cybersecurity,	\$2,900,000	Defensive Cyber Sensors
Cyberspace Activities - Cybersecurity,	\$2,750,000	Cyber - Supply Chain Risk Mgmt (C-SCRM) Program
Cyberspace Activities - Cybersecurity,	\$89,889,000	Cybersecurity Control Systems Assessments
Cyberspace Activities - Cybersecurity,	\$75,410,000	Weapon System Software Readiness
Cyberspace Activities - Cybersecurity,	\$1,200,000	C-SCRM Supplier Vetting and Equipment Inspection
Army Prepositioned Stocks,	\$70,716,000	Second destination transportation - UPL
Training Support,	\$18,100,000	ATRRS Modernization

Recruiting and Advertising,	\$1,394,000	Enterprise Technology Integration, Governance, and Engineering Requirements (ETIGER)
Logistic Support Activities,	\$29,100,000	Preserve Logistics Data Analysis Capability While Transitioning to an Organic Civilian Workforce
Servicewide Communications,	\$6,300,000	Mission Partner Environment
Servicewide Communications,	\$5,300,000	CHRA IT Cloud
Servicewide Communications,	\$49,420,000	ERP Convergence
Manpower Management,	\$5,370,000	Integrated Personnel Electronic Records Management Systems
Other Personnel Support,	\$1,390,000	Enterprise Technology Integration, Governance, and Engineering Requirements (ETIGER)
Classified Programs,	\$18,000,000	SOUTHCOM UPL
Classified Programs,	\$9,800,000	SOUTHCOM UPL
Classified Programs,	\$1,400,000	SOUTHCOM UPL
Classified Programs,	\$3,400,000	SOUTHCOM UPL
Joint Chiefs of Staff - CE2T2,	\$35,100,000	INDOPACOM - Joint Exercise Program
Special Operations Command Combat Development Activities,	\$17,000,000	SOCOM UPL
Special Operations Command Combat Development Activities,	\$3,310,000	SOCOM - Armored Ground Mobility Systems (AGMS) Acceleration
Special Operations Command Maintenance,	\$900,000	SOCOM - Modernized Forward Look Sonar
Special Operations Command Maintenance,	\$5,441,000	SOCOM - Personal Signature Management Acceleration
Special Operations Command Management/Operational Headquarters,	\$8,000,000	SOCOM - UPL
Defense Human Resources Activity,	\$5,000,000	DHRA/DSPO - support FY 2021 congressional increases
Defense Human Resources Activity,	\$60,000,000	DHRA/SAPRO - FY 2021 baseline restoral
Defense Information Systems Agency,	\$11,000,000	Cloud Migration and Technology (Milcloud 2.0)
Defense Information Systems Agency,	\$2,700,000	CYBERCOM - HUMINT
Defense Personnel Accounting Agency,	\$25,000,000	DPAA (POW/MIA) - support FY 2021 congressional increases
Office of the Secretary of Defense,	\$10,000,000	Military working dog pilot program
Operating Forces,	\$45,900,000	Reserve Component Individual Combat Equipment- UPL

Operational Forces,	\$45,300,000	Plate Carrier Generation III - UPL
Mission and Other Flight Operations,	\$280,400,000	Flying Hour Program (1A1A - Fleet Operations) - UPL
Aircraft Depot Maintenance,	\$222,200,000	Aircraft Depot Maintenance Events (Multiple Type/Model/Series) - UPL
Mission and Other Ship Operations,	\$42,000,000	Submarine Tender Overhaul - UPL
Mission And Other Ship Operations,	\$29,000,000	Resilient PNT - UPL
Ship Operations Support & Training,	\$8,983,000	Navy Tactical Grid Development for JADC2 - UPL
Ship Depot Maintenance,	\$136,900,000	restore CG-56, CG-57, and CG-61
Ship Depot Maintenance,	\$39,800,000	A-120 Availabilities - UPL
Combat Support Forces,	\$47,100,000	CENTCOM - Maintain Cyclone PCs and MK VI patrol boats
Combatant Commanders Direct Mission Support,	\$54,010,000	INDOPACOM Mission Partner Environment
Combatant Commanders Direct Mission Support,	\$114,410,000	INDOPACOM - Pacific Multi-Domain Training and Experimentation Capability (PMTEC)
Combatant Commanders Direct Mission Support,	\$41,000,000	INDOPACOM - Enhanced ISR Augmentation
Combatant Commanders Direct Mission Support,	\$4,620,000	INDOPACOM - Critical Manpower Positions
Combatant Commanders Direct Mission Support,	\$88,000,000	INDOPACOM - Wargaming analytical tools
Combatant Commanders Direct Mission Support,	\$3,300,000	INDOPACOM - Future fusion centers
Combatant Commanders Direct Mission Support,	\$500,000	INDOPACOM - Movement Coordination Center
Military Information Support Operations,	\$28,000,000	INDOPACOM Military Information Support Operations (MISO)
Depot Maintenance,	\$26,200,000	USSF Weapons Sustainment UPL
Depot Maintenance,	\$26,200,000	Space Force Weapons System Sustainment - UPL
Facilities Sustainment, Restoration & Modernization,	\$66,300,000	Cheyenne Mountain Improvements UPL
Contractor Logistics and System Support,	\$96,000,000	USSF Weapons Sustainment UPL
Contractor Logistics and System Support,	\$96,000,000	Space Force Weapons System Sustainment
Ukraine Security Assistance Initiative,	\$25,000,000	Program Increase

Military Personnel and Health Programs		
Title	Addition to Chairman's Mark	Description
Military Personnel	\$9,200,000	ARNG Chemical Biological Radiological Nuclear (CBRN) Response Forces - UPL
Military Personnel	\$64,800,000	Navy - Manpower costs for CG-56, CG-57, and CG-61
In-House Care,	\$37,000,000	Reverse DWR cuts to Defense Health Program
Consolidated Health Support,	\$600,000,000	COVID-related shortfalls
Consolidated Health Support,	\$50,000,000	Global Emerging Infectious Surveillance System
Consolidated Health Support,	\$114,925,000	Anomalous Health Incidents
Uniformed Services University of Health Sciences	\$360,000,000	ID and Vax Research, Pandemic Response and Collaboration and Supply Chain Independence

Military Construction and Facility Improvements		
Title	Addition to Chairman's Mark	Description
Edwards Air Force Base	\$28,000,000	Upgrade Munitions Complex
Eglin Air Force Base	\$100,000,000	Weapons Technology Integration Center
Eglin Air Force Base	\$91,000,000	HC-BLACKFYRE Facilities
Eglin Air Force Base	\$21,000,000	JADC2 & ABMS Test Facility
Eglin Air Force Base	\$39,000,000	F-35A Developmental/Operational Test 2-Bay Hangar
Eglin Air Force Base	\$73,000,000	Integrated Control Facility
Eglin Air Force Base	\$35,000,000	F-35A Development Test 2-Bay Mx Hangar
Holloman Air Force Base	\$26,000,000	RAMS Indoor Target Flip Facility
Holloman Air Force Base	\$100,000,000	Holloman High Speed Test Track Recapitalization
Holloman Air Force Base	\$10,600,000	ADAL Fabrication Shop
Kirtland Air Force Base	\$58,000,000	High Power Electromagnetic (HPEM) Laboratory
Kirtland Air Force Base	\$58,000,000	Laser Effects & Simulation Laboratory
Wright-Patterson Air Force Base	\$40,000,000	Human Performance Wing Laboratory
Wright-Patterson Air Force Base	\$100,000,000	Bionatronics Research Center Laboratory

Arnold Air Force Base	\$15,500,000	Cooling Water Expansion, Rowland Creek 20009
Arnold Air Force Base	\$14,600,000	Add/Alter Test Cell Delivery Bay
Arnold Air Force Base	\$90,518,000	Primary Pumping Station Upgrades
Joint Base San Anotnio - Fort Sam Houston	\$113,000,000	Directed Energy Research Center
Edwards Air Force Base	\$75,000,000	Rocket Engineering, Analysis, and Collaboration HUB (REACH)
Maui Experimental Site #3	\$88,000,000	Secure Integration Support Lab w/ Land Acquisition
Kirtland Air Force Base	\$22,000,000	ADAL Systems & Engineering Lab
Aberdeen Proving Ground	\$29,000,000	Moving Target Simulator (Combat Systems Simulation Laboratory)
Fort Detrick	\$23,981,000	Construct Medical Incinerator
Fort Detrick	\$94,000,000	Construct USAMRMC Headquarters
Engineer Research and Development Center	\$17,000,000	Communications Center
Engineer Research and Development Center	\$32,000,000	RDT&E (Risk Lab)
White Sands Missile Range	\$14,200,000	Missile Assembly Support Facility
White Sands Missile Range	\$29,000,000	Missile Assembly Building
Naval Information Warfare Center Pacific	\$49,970,000	Reconfigurable Cyber Laboratory
Naval Research Laboratory	\$95,271,000	Electromagnetic & Cyber Countermeasures Laboratory
Naval Research Laboratory	\$58,940,000	Biomolecular Science & Synthetic Biology Laboratory
NSWC Panama City Division	\$30,960,000	Unmanned Vehicle Littoral Combat Space
NSWC Panama City Division	\$52,860,000	Mine Warfare RDT&E Facility
NUWC Newport Division	\$37,980,000	AUTEC Pier Facility 1902
NUWC Newport Division	\$6,530,000	Array Calibration Facility
NSWC Carderock Division	\$6,140,000	ARD Range Craft Berthing Facility
NSWC Crane Division	\$27,350,000	Strategic Systems Engineering & Hardware Assurance Ctr
NSWC Crane Division	\$22,910,000	Corporate Operations and Training Center
NSWC Crane Division	\$36,660,000	Anti-Ship Missile Defense Life Cycle Integration and Test Center
NAWC Aircraft Division	\$40,920,000	Aircraft Prototyping Facility, Phase III
NAWC Aircraft Division	\$80,270,000	Rotary Wing T&E Hangar Replacement
NSWC Carderock Division	\$22,090,000	Ship Systems Design & Integration Facility
NSWC IHEODTD	\$25,210,000	Energetic Systems and Technology Laboratory Complex, Phase 2

NSWC IHEODTD	\$14,980,000	Contained Burn Facility
NSWC IHEODTD	\$29,130,000	Energetic Chemical Scale-Up Facility
NSWC IHEODTD	\$36,230,000	Energetics Prototyping Facility
NSWC IHEODTD	\$26,480,000	Energetic Systems and Technology Laboratory Complex, Phase 3
NSWC Philadelphia Division	\$77,290,000	Machinery Control Development Center
NSWC Philadelphia Division	\$34,010,000	Machinery Integration Lab - Phase 1
NSWC Philadelphia Division	\$48,740,000	Power & Energy Tech Systems Integration Lab
NUWC Newport Division	\$40,760,000	Next Generation Secure Submarine Platform Facility
NUWC Newport Division	\$12,870,000	Next Generation Torpedo Integration Lab
NUWC Newport Division	\$14,430,000	Submarine Payloads Integration Facility
NUWC Newport Division	\$17,290,000	Consolidation RDT&E Systems Facility
NSWC Carderock Division	\$17,210,000	Navy Combatant Craft Laboratory
NSWC Dahlgren Division	\$38,110,000	High Powered Electric Weapons Laboratory
NWSC Dahlgren Division	\$60,560,000	Cyber Threat & Weapon Systems Engineering Complex
National Nuclear Security Administration	\$76,000,000	06-D-141, Uranium Processing Facility
National Nuclear Security Administration	\$350,000,000	Maintenance and Repair of Facilities
Redzikowo, Poland	\$3,000,000	Aegis Ashore Barracks Planning and Design
Depot Capital Investment	\$900,000,000	Facilities Improvements