

Subject: November 2020 Prior Approval Request						DoD Serial Number: FY 21-01 PA			
Appropriation Title: Various Appropriations						Includes Transfer? Yes			
Component Serial Number:		(Amounts in Thousands of Dollars)							
		Program Base Reflecting Congressional Action		Program Previously Approved by Sec Def		Reprogramming Action		Revised Program	
Line Item		Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
a		b	c	d	e	f	g	h	i

This prior approval reprogramming action is submitted for approval because this action uses general transfer authority, exceeds established reprogramming thresholds, or indicates a new start. This reprogramming action provides funding in support of higher priority items, based on unforeseen military requirements, than those for which originally appropriated; and are determined to be necessary in the national interest. They meet all administrative and legal requirements, and none of the items have previously been denied by the Congress.

Part I of this reprogramming action transfers or realigns \$130.0 million among Fiscal Year (FY) 2020 Defense appropriations. This reprogramming action uses \$110.0 million of general transfer authority pursuant to section 8005 of division A of Public Law 116-93, the Department of Defense (DoD) Appropriations Act, 2020; and section 1001 of Public Law 116-92, the National Defense Authorization Act for FY 2020.

Part II of this reprogramming action realigns \$20.0 million within the Procurement, Defense-Wide, 19/21, appropriation.

PART I

FY 2020 REPROGRAMMING INCREASES: ~~+130,000~~ +110,000

ARMY INCREASES +20,000

Other Procurement, Army, 20/22 +10,000

Budget Activity 02: Communications and Electronics Equipment

Defense Military Deception Initiative	3,704	3,704	+10,000	13,704
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Explanation: Funds are required to procure equipment to support force protection and signature management related to critical mission threads, operational constructs (Multi-Domain Operations) and key weapon systems. Additional details are classified and can be provided under separate cover. This is a base budget requirement.

Approved (Signature and Date)



12/21/20

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<u>Research, Development, Test, and Evaluation, Army, 20/21</u>						<u>+10,000</u>		
<u>Budget Activity 06: Management Support</u>								
0303260A Defense Military Deception Initiative								
	-		-		+10,000		10,000	
<u>Explanation:</u> Funds are required for prototype integration efforts to support force protection and signature management related to critical mission threats, operational constructs (Multi-Domain Operations) and key weapon systems. Additional details are classified and can be provided under separate cover. This is a base budget requirement.								
<u>AIR FORCE INCREASES</u>						<u>+90,000</u>		
<u>Research, Development, Test, and Evaluation, Air Force, 20/21</u>						<u>+90,000</u>		
<u>Budget Activity 04: Advanced Component Development and Prototypes</u>								
PE 0604201F PNT Resiliency, Mods, and Improvements								
	124,600		124,600		+28,000		152,600	
<u>Explanation:</u> Funds will be used to continue development of three different M-Code receivers to be integrated into five Global Positioning System (GPS) -guided munitions (Massive Ordnance Penetrator, Joint Direct Attack Munition, Small Diameter Bomb (SDB) I, SDB II, and Joint Air-to-Surface standoff Missile). M-Code receiver development is a strategic military imperative required to enable Positioning Navigation and Timing (PNT) in contested, degraded, and denied environments. The absence of this critical capability will result in additional sorties/target revisits, failure to meet operational goals/objectives, and potential loss of aircraft/life. The shortage of solutions to emerging PNT threats drives less effective changes to our force structure, e.g. requires more weapons (non-precision) and more aircraft to deliver them. Continued delays in delivering M-Code receivers drives significant obsolescence issues for legacy receivers. This is a base budget requirement.								

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Budget Activity 05: System Development and Demonstration

PE 0604201F PNT Resiliency, Mods, and Improvements

142,782	142,782	+62,000	204,782
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Explanation: Funds are required for the following efforts:

- \$+2.1 million - Funds are required to continue Miniature Airborne GPS Receiver (MAGR) 2K-M development. The MAGR 2K-M development effort incorporates the Military GPS User Equipment (MGUE) aviation form factor being developed by Space and Missile System Command (SMC), Automatic Dependent Surveillance-Broadcast (ADS-B) capabilities. Designs out significant obsolescence issues existing in the current Selective Availability Anti-Spoof Module based product lines. The MAGR 2K-M is to be integrated into the Air Force (AF) B-2 as the AF lead platform under the MGUE program. Other AF and Navy platforms are reliant upon this development effort for future warfighter capability required to operate in contested environments. This is a base budget requirement.
- \$+59.9 million - Funds are required to continue Military code (M-code) efforts. M-code was designed to further improve the anti-jamming capabilities and secure access of the military GPS signals. Since M-code is transmitted in frequencies already in use by previous military codes, Embedded GPS Inertial Navigation Systems (EGI) were developed to boost the GPS capability and bridge gaps in GPS coverage. A modernized GPS will deliver improved capability to counter current and emerging PNT threats and enable military operations in a Navigation Warfare environment where current legacy receiver performance would be compromised. Incorporation of M-code into the applicable equipment is mandated via Section 913 of Public Law 111-383, which prohibits procurement of GPS equipment after FY2017 unless it is M-Code capable. This is a base budget requirement.

DEFENSE WIDE INCREASE **+20,000****Research, Development, Test, and Evaluation, Defense-Wide, 20/21** **+20,000**Budget Activity 07: Operational Systems Development

PE 1160403BB Aviation Systems	267,695	267,695	+20,000	287,695
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Explanation: Funds are required for prototype demonstrations of Armed Overwatch candidate solutions. The Armed Overwatch provides Special Operations Forces (SOF) deployable, affordable, and sustainable aircraft systems capable of conducting SOF Intelligence, Surveillance, and Reconnaissance, Precision Strike, and Close Air Support (CAS) in austere, permissive environments for the Countering Violent Extremist Organizations mission. Funding will be executed by awarding multiple Other Transaction Authority (OTA) prototyping agreements to inform a best value decision for a follow-on production contract in FY 2022. **This is a new start.** The total cost of this effort is \$25.0 million in RDT&E (FY 2020, \$20 million and FY 2021, \$5.0 million). The development cost of \$5.0 million is included in the FY 2021 request.

HAC, HASC, SAC and SASC Denied

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<u>FY 2020 REPROGRAMMING DECREASES:</u>						<u>-130,000</u>	<u>-110,000</u>	
<u>ARMY DECREASES</u>						<u>-20,000</u>		
<u>Other Procurement, Army, 20/22</u>						<u>-10,000</u>		
<u>Budget Activity 03: Other Support Equipment</u>								
Synthetic Training Environment (STE)								
	14,449		14,449		-10,000		4,449	
<u>Explanation:</u> Funds are available due to production decision delays from 1Q FY 2021 to 3Q FY 2021 in addition to a unit production decrease of Squad Immersive Virtual Trainer (SiVT) capability down to Company Level. This is base budget funding.								
<u>Research, Development, Test, and Evaluation, Army, 20/21</u>						<u>-10,000</u>		
<u>Budget Activity 04: Advanced Component Development and Prototypes</u>								
PE 0603747A Soldier Support and Survivability								
	9,514		9,246		-1,000		8,246	
<u>Explanation:</u> Funds are available due to being excess to need. All FY 2020 Rapid Equipping the Force (REF) requirements have been met. This is base budget funding.								
<u>Budget Activity 07: Operational Systems Development</u>								
PE 0205456A Lower Tier Air and Missile Defense (AMD) System								
	97,746		93,743		-742		93,001	
<u>Explanation:</u> Funds are available due to the delay in the purchase of missile telemetry kits from FY 2020 to FY 2021. This is base budget funding.								
PE 0303141A Global Combat Support System (GCSS)								
	60,076		57,604		-3,861		53,743	
<u>Explanation:</u> Funds are available due to delays in GCSS-Army Increment 2 System Design, Develop and Build activities as a result of COVID-19. This is base budget funding.								
PE 0607865A Patriot Product Improvement								
	87,430		83,833		-4,397		79,436	
<u>Explanation:</u> Funds are available due to delay in a contract award for missile engineering services from FY 2020 to FY 2021. This is base budget funding.								

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<u>AIR FORCE DECREASE</u>						<u>-90,000</u>		
<u>Missile Procurement, Air Force, 20/22</u>						<u>-90,000</u>		
<u>Budget Activity 02: Other Missiles</u>								
AMRAAM	220	311,730	220	311,730				
					-90,000		220	221,730
<p>Explanation: Funding is available due to restructure of Form, Fit, Function Refresh (F3R) causing significant delays. F3R is a Diminishing Manufacturer Sources and Material Shortages (DMSMS) effort to systematically mitigate obsolescence in the missile guidance section and enable missile production. Raytheon Missiles and Defense (RMD) and the program office completed a joint schedule risk assessment moving the F3R Functional Configuration Audit (FCA) from December 2021 to January 2023. This schedule change will cause RMD to delay a portion of Lot 33 production deliveries and delay the previously planned production ramp to build inventory. Funds are available for higher Air Force priorities. There is no impact to the program. This is base budget funding.</p>								
<u>DEFENSE WIDE DECREASE</u>						<u>-20,000</u>		
<u>Procurement, Defense Wide, 20/22</u>						<u>-20,000</u>		
<u>Budget Activity 02: Special Operations Command</u>								
Non-Standard Aviation		32,310		32,310				
					20,000			12,310
<p>Explanation: Funds are available due to delayed contract award from fourth quarter FY 2020 to second quarter FY 2021 and the availability of prior year funds. As a result of the delay, contract will be awarded with reprogrammed FY 2019 funding and FY 2020 funding is excess. This is base budget funding.</p>								
<u>HAC, HASC, SAC and SASC Denied</u>								

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PART II

FY 2019 REPROGRAMMING INCREASE: **+20,000**

Procurement, Defense Wide, 19/21 **+20,000**

Budget Activity 02: Special Operations Command

Other Items <\$5M	123,838	123,838	+20,000	143,838
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Explanation: Funds are required to award C 27J cockpit modification contract scheduled for March 2021. Funding will be executed by awarding a contract to procure the first Aircraft Install. This is a base budget requirement.

HAC, HASC, SAC and SASC Denied

FY 2019 REPROGRAMMING DECREASE: **20,000**

Procurement, Defense Wide, 19/21 **20,000**

Budget Activity 02: Special Operations Command

C 130 Modifications	79,942	64,211	20,000	44,211
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Explanation: Funds are available due to M-code fielding delays, scheduled retirement of the MC 130H, and reduced procurement costs of GPS hardening kits for the EC/MC 130J fleets. Fielding delays for the M-code hardware to FY 2023 resulted in an obsolete requirement to equip the retiring MC 130H aircraft with upgraded GPS hardening kits. In September 2019, a contract was awarded for an EC/MC 130J interim GPS hardening solution to provide beam steering and nulling capabilities by calendar year 2022. Cost savings were obtained through procurement and installation of commercial off the shelf equipment rather than the budgeted emerging technology. This is base budget funding.

HAC, HASC, SAC and SASC Denied