

<b>Subject:</b> Intelligence, Surveillance, and Reconnaissance Request	<b>DoD Serial Number:</b> FY 18-22 IR
<b>Appropriation Title:</b> Various Appropriations	<b>Includes Transfer?</b> 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
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This reprogramming action transfers \$241.87 million from the funding appropriated in section 9017 of Title IX Overseas Contingency Operations (OCO) of division C of Public Law 115-141, the Department of Defense (DoD) Appropriations Act, 2018, to various Defense appropriations for execution in FY 2018. The reprogramming improves the Intelligence, Surveillance, and Reconnaissance (ISR) capabilities of the DoD by addressing Combatant Command (CCMD) ISR gaps. These actions are determined to be necessary in the national interest. This reprogramming action meets all administrative and legal requirements, and none of these items have previously been denied by the Congress. Some adjustments in this reprogramming impact the **Military Intelligence Program (MIP)**.

**Part I** of this reprogramming transfers \$226.969 million from the Operation and Maintenance, Defense-Wide, 18/18, appropriation to various Components' FY 2018 Title IX OCO Operation and Maintenance appropriations. This reprogramming action uses \$226.969 million of special transfer authority pursuant to section 9017 of division C of Public Law 115-141, the Department of Defense (DoD) Appropriations Act, 2018.

**Part II** of this reprogramming transfers \$14.901 million from the Operation and Maintenance, Defense-Wide, 18/18, appropriation to various Components' FY 2018 Title IX OCO Procurement appropriations. This reprogramming action uses \$14.901 million of special transfer authority pursuant to sections 9002 and 9017 of division C of Public Law 115-141, the DoD Appropriations Act, 2018.

### PART I

#### FY 2018 REPROGRAMMING INCREASES:

**+226,969**

#### ARMY INCREASES

**+22,239**

#### Operation and Maintenance, Army, 18/18

**+22,239**

#### Budget Activity 04: Administration and Servicewide Activities

11,285,501

12,005,745

**+22,239**

12,027,984

Explanation: Funds are required for the following efforts:

- \$+13.5 million to integrate artificial intelligence (AI)/machine learning (ML)/computer vision (CV) algorithms produced by the Algorithmic Warfare Cross-Functional Team (AWCFT) at MQ-9/Gorgon-Stare ground stations. The AI/ML/CV will enable Target Recognition, Target Cueing, and precision geo-coordination to processing, exploitation, and dissemination (PED) centers to produce actionable intelligence. This is a congressional special interest item. This is a **MIP project**. This is an OCO budget requirement.

Approved (Signature and Date)



10 July 2018

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<ul style="list-style-type: none"> <li>• \$+0.65 million to support the modification and integration of an aircraft to host a CCMD's specific state of the art foliage and cloud penetrating sensors, preventing a break in ISR coverage during an aircraft lifecycle replacement. This is a <b>MIP project</b>. This is an OCO budget requirement.</li> <li>• \$+0.725 million to provide support for non-traditional information technology solutions and contractors with Cyber Human Intelligence technical expertise. The emerging capability will provide a CCMD with intelligence value related to combatant command priority intelligence requirements. This is a <b>MIP project</b>. This is an OCO budget requirement.</li> <li>• \$+5.6 million to provide an operational demonstration of the Proliferation detection Airborne Hyperspectral Imaging (PAHSI) sensor against high value targets. This demonstration will validate PAHSI's capability to detect and identify targets and will demonstrate the actionable intelligence value of PAHSI collection. This is a <b>MIP project</b>. This is an OCO budget requirement.</li> <li>• \$+1.1 million to support a CCMD ISR priorities to provide multidiscipline intelligence aerial reconnaissance in order to build information packages with actionable intelligence. This is a <b>MIP project</b>. This is an OCO budget requirement.</li> <li>• \$+0.664 million to install software to conduct intelligence analysis assisted by geospatial mapping capability. This is a <b>MIP project</b>. This is an OCO budget requirement.</li> </ul>								
<b><u>NAVY INCREASES</u></b>						<b><u>+83,080</u></b>		
<b><u>Operation and Maintenance, Navy, 18/18</u></b>						<b><u>+83,080</u></b>		
<b><u>Budget Activity 01: Operating Forces</u></b>								
	45,499,212		45,538,028		<b>+83,080</b>		45,624,108	
<b><u>Explanation:</u></b> Funds are required for the following efforts:								
<ul style="list-style-type: none"> <li>• \$+32.0 million to provide contractor owned, contractor operated (COCO) UAS equipment, payloads and operators to two CCMDs. Funding will add two new sites. This is a <b>MIP project</b>. This is an OCO budget requirement.</li> <li>• \$+38.26 million to resource COCO Manned Airborne ISR platforms in support of building partner nation counterterrorism capacity and posture within a CCMD. This is an OCO budget requirement.</li> <li>• \$+2.0 million to integrate AI/ML/CV algorithms produced by AWCFT on multiple Unmanned Aerial Vehicles. Integrating AI/ML/CV algorithms will provide additional ISR support to multiple CCMDs. This is a congressional special interest item. This is a <b>MIP project</b>. This is an OCO budget requirement.</li> <li>• \$+9.0 million to provide hub and spoke operations for COCO Tactical Unmanned Aerial Systems (TUAS) equipment to increase operational range in a CCMD. This is a <b>MIP project</b>. This is an OCO budget requirement.</li> <li>• \$+1.82 million to provide geospatial intelligence (GEOINT) Unified Naval Streaming System to enable shipboard analysis, exploitation and dissemination of real-time video. This capability will</li> </ul>								

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<p>provide the Department with the ability to exploit Full Motion Video (FMV) and imagery from collectors operating beyond line-of-site at key afloat and ashore nodes. This is a <b>MIP project</b>. This is an OCO budget requirement.</p> <p><b>AIR FORCE INCREASES</b> <span style="float: right;"><b>+26,750</b></span></p> <p><b>Operation and Maintenance, Air Force, 18/18</b> <span style="float: right;"><b>+26,750</b></span></p> <p>Budget Activity 01: Operating Forces</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"></td> <td style="width: 16.5%; text-align: right;">39,677,377</td> <td style="width: 16.5%; text-align: right;">39,806,535</td> <td style="width: 16.5%; text-align: right;">+26,750</td> <td style="width: 16.5%; text-align: right;">39,833,285</td> </tr> </table> <p><b>Explanation:</b> Funds are required for the following efforts:</p> <ul style="list-style-type: none"> <li>• \$+1.0 million to integrate AI/ML/CV algorithms produced by AWCFT at the MQ-9/Gorgon-Stare ground stations. The AI/ML/CV will enable Target Recognition, Target Cueing, and precision geo-coordination to PED centers to produce actionable intelligence. This is a congressional special interest item. This is an OCO budget requirement.</li> <li>• \$+9.7 million to integrate AI/ML/CV algorithms produced by AWCFT into the Air Force Open Architecture Distributed Common Ground System (OA-DCGS) Program of Record. These algorithms will assist combatant commands by mitigating shortfalls in PED of image and video data from sensor collection. This is a congressional special interest item. This is a <b>MIP project</b>. This is an OCO budget requirement.</li> <li>• \$+2.75 million will provide an operational-scale ground power unit (GPU) resource to enable a mission-capable, rapid development ML environment to research and advance algorithm processing approaches. This is a congressional special interest item. This is a <b>MIP project</b>. This is an OCO budget requirement.</li> <li>• \$+6.35 million to sustain a dedicated target development capability for a CCMD's air, ground, and special operations forces deployed in support of contingency operations. This is a <b>MIP project</b>. This is an OCO budget requirement.</li> <li>• \$+3.95 million to establish and sustain dedicated target development capability for a CCMD's air, ground, and special operations forces. This is a <b>MIP project</b>. This is an OCO budget requirement.</li> <li>• \$+3.0 million to establish and sustain a dedicated analysis and target development capability for a CCMD for counter-terrorist/insurgent operations in a CCMD area of responsibility. This is a <b>MIP project</b>. This is an OCO budget requirement.</li> </ul>									39,677,377	39,806,535	+26,750	39,833,285
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**DEFENSE-WIDE INCREASES****+94,900****Operation and Maintenance, Defense-Wide, 18/18****+94,900****Budget Activity 01: Operating Forces**

Special Operations Command	8,153,703	8,304,788	<b><u>+45,600</u></b>	8,350,388
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**Explanation:** Funds are required for the following efforts:

- \$+8.4 million to replace 12 deployed active duty MQ-9 launch and recovery personnel with 12 contractors. Effort will allow an expeditionary launch and recovery element to maintain alert shifts to be prepared for a rapid deployment requirement to stand up launch and recovery in an area of responsibility. This is an OCO budget requirement.
- \$+6.2 million to expand existing Special Operation Forces (SOF) Full Motion Video (FMV) Processing, Exploitation, and Dissemination (PED) capacity in forward locations by adding PED contracted systems support personnel and contracted trainers to a CCMD, Service Components, and Theater Special Operations Commands. This is an OCO budget requirement.
- \$+4.5 million to improve Joint Overhead ISR Operations' ability to perform Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) against planned increases in a CCMD's ISR Signal Intelligence (SIGINT) capability. This is a **MIP project**. This is an OCO budget requirement.
- \$+26.5 million to provide an additional COCO TUAS with PED. This is a **MIP project**. This is an OCO budget requirement.

**Budget Activity 04: Administration and Servicewide Activities****Classified Programs****+49,300****Explanation:** Funds are required for the following efforts:

- \$+31.0 million to sustain a COCO medium-altitude, multi-intelligence airframe operating in a CCMD. This is a **MIP project**. This is an OCO budget requirement.
- \$+1.2 million to provide a cross-domain, multi-protocol communication solution to enable the bidirectional real-time collaboration between SIPRNET and CENTRIX-SWA users. This capability will allow forces to collaborate on ISR and overwatch missions. This is a **MIP project**. This is an OCO budget requirement.
- \$+2.5 million to provide materiel and personnel for non-traditional information technology solutions supporting DoD's Human Intelligence Cyber Strategy. The ISR capability will provide a CCMD access to information of intelligence value related to priority intelligence requirements. This is a **MIP project**. This is an OCO budget requirement.
- \$+14.0 million for installation and establishment of a cloud-enabled edge node in an operations theater that is capable of meeting current and historic intelligence product needs. This system can be

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<p>used during normal day-to-day environment and address crisis response needs. This is a <b>MIP project</b>. This is an OCO budget requirement.</p> <ul style="list-style-type: none"> <li>\$+0.6 million to provide three full time equivalents (FTEs) and provide SIGINT Operations performing mission management support and fully integrating national, theater, and tactical collectors. This is a <b>MIP project</b>. This is an OCO budget requirement.</li> </ul>								
<b><u>FY 2018 REPROGRAMMING DECREASE:</u></b>						<b><u>-226,969</u></b>		
<b><u>DEFENSE-WIDE DECREASE</u></b>						<b><u>-226,969</u></b>		
<b><u>Operation and Maintenance, Defense-Wide, 18/18</u></b>						<b><u>-226,969</u></b>		
<b><u>Budget Activity 04: Administration and Servicewide Activities</u></b>								
Public Law 115-141, Sec 9017	770,000		327,245		<b><u>-226,969</u></b>		100,276	
<p><u>Explanation:</u> Funds are available for transfer under section 9017 of the DoD Appropriations Act, 2018, which provided additional funds to improve the intelligence, surveillance, and reconnaissance capabilities of the DoD. This is Title IX OCO budget funding.</p>								
<b><u>PART II</u></b>								
<b><u>FY 2018 REPROGRAMMING INCREASES:</u></b>						<b><u>+14,901</u></b>		
<b><u>NAVY INCREASE</u></b>						<b><u>+5,200</u></b>		
<b><u>Aircraft Procurement, Navy, 18/20</u></b>						<b><u>+5,200</u></b>		
<b><u>Budget Activity 04: Other Aircraft</u></b>								
STUASLO UAV	4,780		4,780		<b><u>+5,200</u></b>		9,980	
<p><u>Explanation:</u> Funds are required to upgrade legacy hardware to Independent Payloads Processor (IPP) and encoders. Integration includes IPP engineering labor for sustainment of IPP for integration of deep learning algorithms and ground system hardware upgrades for algorithm integration. This is a congressional special interest item. This is a <b>MIP project</b>. This is an OCO budget requirement.</p>								
<b><u>DEFENSE-WIDE INCREASES</u></b>						<b><u>+9,701</u></b>		
<b><u>Procurement, Defense-Wide 18/20</u></b>						<b><u>+9,701</u></b>		
<b><u>Budget Activity 01: Major Equipment</u></b>								
Classified Programs	648,521		648,521		<b><u>+2,851</u></b>		651,372	
<p><u>Explanation:</u> Funds are required for the following efforts:</p>								

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- \$+2.0 million to procure a cloud-enabled edge node in an area of responsibility that is capable of meeting current and historic intelligence product needs. This system can be used during normal day-to-day environment and address crisis response needs as necessary. This is a **MIP project**. This is an OCO budget requirement.
- \$+0.851 million for the procurement of enterprise Geographic Information System servers needed to transition from the current consolidated analytical spatial-data initiative - forward servers providing Geographic Information System services, currently at industry end-of-life to more current servers. This is a **MIP project**. This is an OCO budget requirement.

Budget Activity 02: Special Operations Command

Distributed Common Ground/Surface System

11,042	11,042	+6,850	17,892
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Explanation: Funds are required to procure the remaining systems needed to expand existing SOF FMV PED capacity in forward locations. Efforts will accelerate programmed capacity growth by 2 years to meet operational demand. Additional classified details are provided in the section 9017 report provided under separate cover. This is a **MIP project**. This is an OCO budget requirement.

**FY 2018 REPROGRAMMING DECREASE:** **-14,901**

**DEFENSE-WIDE DECREASE** **-14,901**

**Operation and Maintenance, Defense-Wide, 18/18** **-14,901**

Budget Activity 04: Administration and Servicewide Activities

Public Law 115-141, Sec 9017	770,000	100,276	-14,901	85,375
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Explanation: Funds are available for transfer under section 9017 of the DoD Appropriations Act, 2018, which provided additional funds to improve the intelligence, surveillance, and reconnaissance capabilities of the DoD. This is Title IX OCO budget funding.