

Subject: Intelligence, Surveillance, and Reconnaissance Request		DoD Serial Number: FY 17-19 IR
Appropriation Title: Various Appropriations		Includes Transfer? Yes

Component Serial Number:	<i>(Amounts in Thousands of Dollars)</i>							
	Program Base Reflecting Congressional Action		Program Previously Approved by Sec Def		Reprogramming Action		Revised Program	
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This reprogramming action transfers \$452.950 million from the funding appropriated in section 9018 of Title IX Overseas Contingency Operations (OCO) of division C of Public Law 115-31, the Department of Defense (DoD) Appropriations Act, 2017, to various Defense appropriations for execution in FY 2017. The reprogramming improves the Intelligence, Surveillance, and Reconnaissance (ISR) capabilities of the DoD by addressing Combatant Command ISR gaps. 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 \$104.345 million from the Operation and Maintenance, Defense-wide, 17/17, appropriation to various Components' FY 2017 Title IX OCO Operation and Maintenance appropriations. This reprogramming action uses \$104.345 million of special transfer authority pursuant to section 9018 of division C of Public Law 115-31, the DoD Appropriations Act, 2017.

Part II of this reprogramming transfers \$348.605 million from the Operation and Maintenance, Defense-wide, 17/17, appropriation to various Components' FY 2017 Title IX OCO Procurement appropriations. This reprogramming action uses \$348.605 million of special transfer authority pursuant to sections 9002 and 9018 of division C of Public Law 115-31, the DoD Appropriations Act, 2017.

PART I

<u>FY 2017 REPROGRAMMING INCREASES:</u>	<u>+104,345</u>
<u>ARMY INCREASE</u>	<u>+16,000</u>
<u>Operation and Maintenance, Army, 17/17</u>	<u>+16,000</u>
<u>Budget Activity 04: Administration and Servicewide Activities</u>	
10,485,475	10,751,600
	<u>+16,000</u>
	10,767,600

Explanation: Funds are required for pre-deployment and initial operational activities for an MQ-1C Gray Eagle Unmanned Aerial System (UAS). **This is a MIP project.** This is a base budget requirement.

Approved (Signature and Date)

AUG 10 2017

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<u>NAVY INCREASES</u>						<u>+32,500</u>		
<u>Operation and Maintenance, Navy, 17/17</u>						<u>+32,500</u>		
<u>Budget Activity 01: Operating Forces</u>								
		39,510,784		39,510,784		+32,500		39,543,284

Explanation: Funds are required for the following efforts:

- \$+30.5 million to provide a Contractor Owned-Contractor Operated (COCO) Airborne ISR aircraft with sensors and processing, exploitation, and dissemination (PED) in support of a combatant command. This is an OCO budget requirement.
- \$+2.0 million for software update for the Littoral Surveillance Radar System. Updates will incorporate image processing improvements to provide high quality images as well as reduce the time required for processing resulting in increased Indications and Warning for Combatant Commands. This is base budget requirement.

<u>AIR FORCE INCREASES</u>						<u>+31,460</u>		
<u>Operation and Maintenance, Air Force, 17/17</u>						<u>+31,460</u>		
<u>Budget Activity 01: Operating Forces</u>								
		29,618,188		29,618,188		+31,460		29,649,648

Explanation: Funds are required for the following efforts:

- \$+14.1 million to provide assured access to a world-wide reach back communication enterprise for Airborne ISR Assets. **This is a MIP project.** This is a base requirement.
- \$+6,350 million to fund 33 Subject Matter Expert contractors to identify emerging Operation INHERENT RESOLVE adversary activities, target descriptions, significance, and intermediate/advanced target materials for combat execution. **This is a MIP project.** This is an OCO budget requirement.
- \$+11.010 million for FY 2017 activities required in order to stand up the final two of ten MQ-1/9 Government Owned, Contractor-Operated (GOCO) lines on schedule in FY 2018. Lessons learned from FY 2016 and FY 2017 MQ-9 GOCO line standups indicate that initial activities for these two lines must start earlier than currently funded in FY 2018. This is an OCO budget requirement.

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<u>DEFENSE-WIDE INCREASES</u>					<u>+24,385</u>			
<u>Operation and Maintenance, Defense-Wide, 17/17</u>					<u>+24,385</u>			
<u>Budget Activity 01: Operating Forces</u>								
Special Operations Command	8,000,422		8,000,422		+22,835		8,023,257	

Explanation: Funds are required for the following efforts:

- \$+20.6 million for the Multi-Mission Tactical Unmanned Aircraft System (MTUAS) funding will sustain an increased ISR deployed presence by two additional sites (from four to six sites) 18 months earlier than planned to help mitigate shortfalls in airborne ISR capability, and to procure upgrade kits for 13 MTUAS systems. **This is a MIP project.** This is an OCO budget requirement.
- \$+2.235 million to fund additional contractors to perform data labeling requirements on the current Joint Intelligence Brigade Processing, Exploitation, and Dissemination contract to allow full motion video (FMV) tools integration into Combatant Command Distributed Common Ground System (DCGS). This is an OCO budget requirement.

<u>Budget Activity 04: Administration and Servicewide Activities</u>								
Classified Program					+1,550			

Explanation: Funds are required to enhance targeting material production and database management in support of counterterrorism efforts. **This is a MIP project.** This is an OCO budget requirement.

<u>FY 2017 REPROGRAMMING DECREASE:</u>					<u>-104,345</u>			
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<u>DEFENSE-WIDE DECREASE</u>					<u>-104,345</u>			
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<u>Operation and Maintenance, Defense-Wide, 17/17</u>					<u>-104,345</u>			
<u>Budget Activity 04: Administration and Servicewide Activities</u>								
Public Law 114-113, Sec 9018	500,000		452,950		-104,345		348,605	

Explanation: Funds are available for transfer under section 9018 of the DoD Appropriations Act, 2017, to provide additional funds to improve the intelligence, surveillance, and reconnaissance capabilities of the DoD. This is Title IX OCO budget funding.

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PART II

FY 2017 REPROGRAMMING INCREASES: **+348,605**

ARMY INCREASES **+121,000**

Aircraft Procurement, Army, 17/19 **+116,100**

Budget Activity 01: Aircraft

MQ-1 UAV	20	330,338	20	330,338	+6	+73,200	26	403,538
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Explanation: Funds are required for the following efforts:

- \$+58.2 million to procure six Extended Range MQ-1C Gray Eagle UAS, to improve training and readiness of the Army Gray Eagle enterprise in support of Secretary of Defense (SECDEF) and Combatant Commander theater level operational requirements for armed ISR capacity. **This is a MIP project.** This is an OCO budget requirement.
- \$+15.0 million to procure 15 Hunter High Definition Electro-Optical/Infra-Red payloads to enhance MQ-5B Hunter UAS capability needed to support the war against Islamic State of Iraq and Syria organizations and affiliates. **This is a MIP project.** This is an OCO budget requirement.

Budget Activity 02: Modification of Aircraft

MQ-1 Payload (MIP)	91,735	91,735	+19,800	111,535
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Explanation: Funds are required to procure payloads (sensors) for six Extended Range MQ-1C UAS funded separately in the MQ-1 UAV budget line of this reprogramming action, in order to improve training and readiness of the Army Gray Eagle enterprise in support of SECDEF and Combatant Commander theater level operational requirements for Armed ISR capacity. **This is a MIP project.** This is an OCO budget requirement.

EMARSS SEMA Mods (MIP)

2	54,897	2	54,897	-	+23,100	2	77,997
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Explanation: Funds are required for the following efforts:

- \$+14.5 million to procure airframe upgrades to increase endurance via engine and propeller upgrades; and weight reduction by installing a lighter battery. The corresponding upgrades will increase mission endurance. Funds will procure upgrades for three aircraft as well as the requisite testing and airworthiness certification. The Army will do a business case analysis to outfit the remaining fleet after these upgrades are applied to three Enhanced Medial Altitude Reconnaissance and Surveillance System (EMARSS) aircraft. **This is a MIP project.** This is an OCO budget requirement.

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- \$+8.6 million to procure sensor upgrades that will increase maintainability and reliability across the EMARSS fleet. The Army will have 21 of 24 systems fielded by the end of FY 2018; many of which will be deployed in support of Combatant Command Operations. The recent follow-on test and evaluation showed that replacing some key components and adding software upgrades will result in weight reduction with corresponding increase in system reliability, which reduces lost mission time. Additionally, a separate software upgrade will allow for the wide area surveillance sensors on EMARSS-G to be remotely operated. The corresponding weight reduction will increase mission endurance. **This is a MIP project.** This is an OCO budget requirement.

Other Procurement, Army, 17/19						+4,900		
<u>Budget Activity 02: Communications and Electronics Equipment</u>								
Mod of In-Svc Equip (INTEL SPT) (MIP)								
		45,505		45,505		+4,900		50,405

Explanation: Funds are required to upgrade Prophet systems in four Brigade Combat Teams (BCT) with enhanced sensors and antennas to provide deployed commanders with a Ground Signals Intelligence (SIGINT) Collection capability while on-the-move. With this capability, Prophet can maneuver with BCT Formations while conducting SIGINT collection in support of combat operations. **This is a MIP project.** This is an OCO budget requirement.

NAVY INCREASES						+61,765		
<u>Aircraft Procurement, Navy, 17/19</u>						+41,065		
<u>Budget Activity 04: Other Aircraft</u>								
STUASL0 UAV	4	61,900	4	61,900	-	+13,435	4	75,335

Explanation: Funds are required to procure hardware and software upgrades for the Tactical Unmanned Aerial Vehicle ISR Player, Independent Payload Processor systems, and provide Information Assurance certification and accreditation. The Full Motion Video (FMV) tool integration will enable automation of Joint processing, exploitation and dissemination (PED) enterprise. This project incorporates computer vision into the PED enterprise in order to reduce human burden and increase the amount of PED processing, improve fusion, tipping & cueing, and increasing the intelligence value of ISR collection assets. **This is a MIP project.** This is an OCO budget requirement.

<u>Budget Activity 05: Modification of Aircraft</u>								
EA-18G		-		-		+12,730		12,730

Explanation: Funds are required to provide dedicated two-way beyond-line-of-sight (BLOS) communications SATCOM for EA-18G aircraft. Currently, the EA-18G is limited to only two-way line-of-sight (LOS) requiring critical tactical information be relayed via other platforms to warfighters in need.

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Voice SATCOM will provide the EA-18G aircraft with the ability to provide integrated airborne attack support and non-traditional ISR to Joint and Special Forces across all areas of responsibility (AORs) and current Combatant Command operations. This line is funded to \$660.0 million in FY 2016, so this is not a new start effort. This is a base budget requirement.

Special Project Aircraft	31,366	31,366	+6,000	37,366
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Explanation: Funds are required to modify six EP-3 aircraft and upgrades forward deployed stations with the latest ELINT Special Collection hardware for processing and data dissemination to support Combatant Commander-directed missions. **This is a MIP project.** This is an OCO budget requirement.

QRC	5,476	5,476	+8,900	14,376
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Explanation: Funds are required for the following efforts:

- \$+3.2 million to procure maintenance module kits, technical data, depot equipment and original equipment manufacturer training to Naval Surface Warfare Center – Crane to address the lack of MX-20D Electro-Optic spares on Quick Reaction Capability (QRC) P-8A platforms negatively affecting readiness. This initiative will facilitate expedited return to operational service of repaired MX-20D sensors. **This is a MIP project.** This is a base budget requirement.
- \$+2.1 million to upgrade the Software Reprogrammable Payload (SRP) on Broad Area Maritime Surveillance-Demonstrator (BAMS-D) by incorporating a standard operational ELINT waveform with an existing Specific Emitter Identification waveform. This initiative will satisfy Combatant Command requirements related to SIGINT capabilities on BAMS-D. **This is a MIP project.** This is an OCO budget requirement.
- \$+2.1 million to acquire and integrate SIGINT systems in CYCLONE-Class Patrol Craft (PC) supporting Commander, US Naval Forces Southern Command. This initiative will integrate a proven, off-the-shelf SIGINT sensor system into three PCs, which can then be operated remotely at the unclassified level. **This is a MIP project.** This is a base budget requirement.
- \$+1.5 million to support the Foreign Instrumentation Signals Intelligence (FISINT) Waveform conversion to provide compatibility with Navy's Software Reprogrammable ISR Payload (SRP). This effort will allow for widely used Navy Fleet FISINT waveform to be used on software based radios. This initiative will help to satisfy Combatant Command requirements to incorporate an existing, operational FISINT waveform that is used in the Fleet today. **This is a MIP project.** This is an OCO budget requirement.

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Procurement, Marine Corps, 17/19						+20,700		
<u>Budget Activity 04: Communications and Electronics Equipment</u>								
UAS Payloads		2,971		2,971		+11,500		14,471

Explanation: Funds are required to integrate the Minotaur ISR fusion dissemination capability into the RQ-21A Group III UAS platform. The Minotaur capability enables unmanned aircraft to automatically detect, track, and classify targets/items of interests via a variety of sensors. This automation shortens the Joint PED (JPED) kill/decision chain and relieves the JPED analyst of many sensor-fusion/correlation tasks. **This is a MIP project.** This is an OCO budget requirement.

<u>Budget Activity 07: Spares and Repair Parts</u>								
Spares and Repair Parts		22,848		22,848		+9,200		32,048

Explanation: Funds are required to acquire RQ-21A spares to reset sparing and air vehicles due to combat losses from current operations. The requested funding enables system reset and ensures the program's ability to support the Combatant Commands with RQ-21A Fleet baseline deployment requirements in FY 2018. **This is a MIP project.** This is an OCO budget requirement.

AIR FORCE INCREASES **+88,070**

<u>Aircraft Procurement, Air Force, 17/19</u>						+35,800		
<u>Budget Activity 05: Modification of Inservice Aircraft</u>								
RC-135		211,438		211,438		+5,800		217,238

Explanation: Funds are required to complete the installation of the Wideband Global SATCOM antenna array on the last four unmodified RC-135s to support near real time dissemination of large bandwidth communications in support of Combatant Command requirements. **This is a MIP project.** This is a base budget requirement.

<u>Budget Activity 07: Aircraft Support Equipment and Facilities</u>								
Other Production Charges		1,370,624		1,370,624		+30,000		1,400,624

Explanation: Funds are required for classified activities. This is a base budget requirement.

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Other Procurement, Air Force, 17/19						+52,270		
<u>Budget Activity 03: Electronics and Telecommunications Equipment</u>								
Intelligence Comm Equipment		30,504		30,504		+7,370		37,874

Explanation: Funds are required for the following efforts:

- \$+7.0 million to procure and install equipment for a new Integrated Broadcast Service (IBS) uplink to provide additional coverage for the high latitude Arctic region without interruption to current capability. **This is a MIP project.** This is a base budget requirement.
- \$+0.370 million to procure a malware hardware suite in support of DoD Cyber Crime Center (DC3) malware analysis capabilities, which are focused against nation-state advanced persistent threats (APT). This malware hardware provides file reputation scoring and malware unpacking capabilities that are the final capability necessary for DC3 to deploy timely automated malware triage specifically focused against nation-state malware to help Combatant Commanders protect their networks in a timely manner. **This is a MIP project.** This is a base budget requirement.

<u>Budget Activity 04: Other Base Maintenance and Support Equipment</u>								
DCGS-AF		198,455		198,455		+32,900		231,355

Explanation: Funds are required to procure six ground terminals to support Combatant Command and other Airborne ISR communications requirements. **This is a MIP project.** This is a base budget requirement.

<u>Budget Activity 05: Spares and Repair Parts</u>								
Special Update Programs		577,710		577,710		+12,000		589,710

Explanation: Funds are required for classified activities. This is a base budget requirement.

DEFENSE-WIDE INCREASES **+77,770**

Procurement, Defense-Wide, 17/19 **+77,770**

<u>Budget Activity 02: Special Operations Command</u>								
Unmanned ISR		80,820		80,820		+16,930		97,750

Explanation: Funds are required for the following efforts:

- \$+9.03 million for Small Tactical UAS to procure upgraded payloads to upgrade EO/IR magnification/resolution for stand-off operations on the RQ-20B Puma II platform. **This is a MIP project.** This is an OCO budget requirement.
- \$+4.3 million to procure nine RQ-20B PUMA unmanned aerial systems to address critical Combatant Command ISR gaps. **This is a MIP project.** This is an OCO budget requirement.

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- \$+3.6 million to procure equipment and associated software for Medium Altitude Long Endurance Tactical (MALET) upgrades (Networking and Data Transport kits) for the MQ-IC. **This is a MIP project.** This is an OCO budget requirement.

Manned ISR	4,800	4,800			+2,500		7,300
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Explanation: Funds are required to provide SIGINT sensors for Combatant Command Airborne ISR systems. **This is a MIP project.** This is an OCO budget requirement.

MQ-9 Unmanned Aerial Vehicle	54,033	54,033			+30,690		84,723
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Explanation: Funds are required for the following efforts:

- \$+20.150 million to procure 12 MALET MQ-9 Block 5 Extended Range kits and 18 Pods for MQ-9 Block 5 aircraft under the MALET program and procure 18 pods for the Predator Integrated SIGINT Architecture (PISA) replacement for Block 5 MQ-9. This is an OCO budget requirement.
- \$+10.540 million to procure 15 Line Replacement Units for non-PISA equipped MQ-9 aircraft. This is an OCO budget requirement.

Warrior Systems <\$5M	246,381	246,381			+21,800		268,181
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Explanation: Funds are required for the following efforts:

- \$+20.6 million to procure communications equipment to expand capacity and provide dedicated USSOCOM AISR tactical communication expansion at five Regional Ground Entry Point locations supporting SOF operations globally. This is an OCO budget requirement.
- \$+1.2 million to procure SATCOM Remote Video Terminal (SRVT) terminals for Combatant Command support. This is an OCO budget requirement.

Operational Enhancements Intelligence	17,299	17,299			+2,350		19,649
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Explanation: Funds are required to procure SIGINT sensor pods. This is an OCO budget requirement.

<u>Budget Activity 01: Major Equipment</u>							
<u>Defense Information Systems Agency (DISA)</u>							
	2,000		2,000		+3,500		5,500

Explanation: Funds are required to add one SATCOM Remote Video Terminal (SRVT) gateway in the Middle East and improve video dissemination capability by establishing another enterprise Unified Video Dissemination System (UVDS) node in theater. SRVT will provide increased FMV/GMTI transport

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capacity to support additional theater UAS lines, which are deployed without organic backhaul and dissemination capability. The SRVT will be integrated into an enterprise UVDS core node to provide FMV services for numerous operational units. This is an OCO budget requirement.

FY 2017 REPROGRAMMING DECREASE: **-348,605**

DEFENSE-WIDE DECREASE **-348,605**

Operation and Maintenance, Defense-Wide, 17/17 **-348,605**

Budget Activity 04: Administration and Servicewide Activities

Public Law 115-31, Sec 9018	500,000	348,605	<u>-348,605</u>	-
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Explanation: Funds are available for transfer under section 9018 of the DoD Appropriations Act, 2017, to provide additional funds to improve the intelligence, surveillance, and reconnaissance capabilities of the DoD. This is Title IX OCO budget funding.