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**Department of Defense
Fiscal Year (FY) 2019 Budget Estimates**

February 2018



United States Special Operations Command

Defense-Wide Justification Book Volume 1 of 2

Procurement, Defense-Wide

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Defense-Wide
FY 2019 President's Budget
Exhibit P-1 FY 2019 President's Budget
Total Obligational Authority
(Dollars in Thousands)

29 Jan 2018

Appropriation -----	FY 2017 (Base + OCO) -----	FY 2018 PB Request with CR Adj Base -----	FY 2018 Total PB Requests* with CR Adj Base -----	FY 2018 PB Request with CR Adj OCO -----
Procurement, Defense-Wide	2,082,461	1,762,197	1,762,197	460,394
Total Defense-Wide	2,082,461	1,762,197	1,762,197	460,394

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Defense-Wide
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2018

Appropriation -----	FY 2018 Total PB Requests+ with CR Adj OCO -----	FY 2018 Emergency Requests** Emergency -----	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req Emergency -----
Procurement, Defense-Wide	460,394			
Total Defense-Wide	460,394			

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Defense-Wide
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2018

Appropriation -----	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency** -----	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req with CR Adj Base + OCO + Emergency -----
Procurement, Defense-Wide	2,222,591		2,222,591
Total Defense-Wide	2,222,591		2,222,591

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Defense-Wide
FY 2019 President's Budget
Exhibit P-1 FY 2019 President's Budget
Total Obligational Authority
(Dollars in Thousands)

29 Jan 2018

Appropriation -----	FY 2019 Base -----	FY 2019 OCO -----	FY 2019 Total -----
Procurement, Defense-Wide	2,588,638	509,242	3,097,880
Total Defense-Wide	2,588,638	509,242	3,097,880

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Defense-Wide
FY 2019 President's Budget
Exhibit P-1 FY 2019 President's Budget
Total Obligational Authority
(Dollars in Thousands)

29 Jan 2018

Organization: Procurement, Defense-Wide -----	FY 2017 (Base + OCO) -----	FY 2018 PB Request with CR Adj Base -----	FY 2018 Total PB Requests* with CR Adj Base -----	FY 2018 PB Request with CR Adj OCO -----
U.S., Special Operations Command, SOCOM	2,082,461	1,762,197	1,762,197	460,394
Total	2,082,461	1,762,197	1,762,197	460,394

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Defense-Wide
FY 2019 President's Budget
Exhibit P-1 FY 2019 President's Budget
Total Obligational Authority
(Dollars in Thousands)

29 Jan 2018

Organization: Procurement, Defense-Wide

U.S., Special Operations Command, SOCOM

Total

FY 2018
Total
PB Requests+
with CR Adj
OCO

460,394

460,394

FY 2018
Emergency
Requests**
Emergency

FY 2018
Less Enacted
Div B
P.L.115-96***
MDDE + Ship
Repairs

FY 2018
Remaining Req
Emergency

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	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency**	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs	FY 2018 Remaining Req with CR Adj Base + OCO + Emergency
Organization: Procurement, Defense-Wide -----			
U.S., Special Operations Command, SOCOM	2,222,591		2,222,591
Total	2,222,591		2,222,591

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Defense-Wide
FY 2019 President's Budget
Exhibit P-1 FY 2019 President's Budget
Total Obligational Authority
(Dollars in Thousands)

29 Jan 2018

Organization: Procurement, Defense-Wide -----	FY 2019 Base -----	FY 2019 OCO -----	FY 2019 Total -----
U.S., Special Operations Command, SOCOM	2,588,638	509,242	3,097,880
Total	2,588,638	509,242	3,097,880

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 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2018

Appropriation: Procurement, Defense-Wide

Budget Activity -----	FY 2017 (Base + OCO) -----	FY 2018 PB Request with CR Adj Base -----	FY 2018 Total PB Requests* with CR Adj Base -----	FY 2018 PB Request with CR Adj OCO -----
02. Special Operations Command	2,082,461	1,762,197	1,762,197	460,394
Total Procurement, Defense-Wide	2,082,461	1,762,197	1,762,197	460,394

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Defense-Wide
FY 2019 President's Budget
Exhibit P-1 FY 2019 President's Budget
Total Obligational Authority
(Dollars in Thousands)

29 Jan 2018

Appropriation: Procurement, Defense-Wide

Budget Activity -----	FY 2018 Total PB Requests+ with CR Adj OCO -----	FY 2018 Emergency Requests** Emergency -----	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req Emergency -----
02. Special Operations Command	460,394			
Total Procurement, Defense-Wide	460,394			

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 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2018

Appropriation: Procurement, Defense-Wide

Budget Activity -----	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency** -----	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req with CR Adj Base + OCO + Emergency -----
02. Special Operations Command	2,222,591		2,222,591
Total Procurement, Defense-Wide	2,222,591		2,222,591

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FY 2019 President's Budget
Exhibit P-1 FY 2019 President's Budget
Total Obligational Authority
(Dollars in Thousands)

29 Jan 2018

Appropriation: Procurement, Defense-Wide

Budget Activity -----	FY 2019 Base -----	FY 2019 OCO -----	FY 2019 Total -----
02. Special Operations Command	2,588,638	509,242	3,097,880
Total Procurement, Defense-Wide	2,588,638	509,242	3,097,880

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 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2018

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2017 (Base + OCO)		FY 2018 PB Request with CR Adj Base		FY 2018 Total PB Requests* with CR Adj Base		FY 2018 PB Request with CR Adj OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 02: Special Operations Command											
Aviation Programs											
47	Manned ISR			7,300						15,900	U
48	MC-12			20,000						20,000	U
49	MH-60 Blackhawk	A		18,600							U
50	Rotary Wing Upgrades and Sustainment			164,596	158,988		158,988				U
51	Unmanned ISR	A		97,750	13,295		13,295		38,933		U
52	Non-Standard Aviation			4,905	4,892		4,892		9,600		U
53	U-28			67,362	5,769		5,769		8,100		U
54	MH-47 Chinook			29,022	87,345		87,345		10,270		U
55	CV-22 Modification			47,786	42,178		42,178				U
56	MQ-9 Unmanned Aerial Vehicle			84,723	21,660		21,660		19,780		U
57	Precision Strike Package			227,882	229,728		229,728				U
58	AC/MC-130J			68,333	179,934		179,934				U
59	C-130 Modifications			42,942	28,059		28,059		3,750		U
Shipbuilding											
60	Underwater Systems			42,840	92,606		92,606				U
Ammunition Programs											
61	Ordnance Items <\$5M			156,537	112,331		112,331		62,643		U

P-119PB: FY 2019 President's Budget (Published Version), as of January 29, 2018 at 08:31:35

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Defense-Wide
FY 2019 President's Budget
Exhibit P-1 FY 2019 President's Budget
Total Obligational Authority
(Dollars in Thousands)

29 Jan 2018

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2018 Total PB Requests+ with CR Adj OCO		FY 2018 Emergency Requests**		FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs		FY 2018 Remaining Req Emergency		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 02: Special Operations Command											
Aviation Programs											
47	Manned ISR			15,900							U
48	MC-12			20,000							U
49	MH-60 Blackhawk	A									U
50	Rotary Wing Upgrades and Sustainment										U
51	Unmanned ISR	A		38,933							U
52	Non-Standard Aviation			9,600							U
53	U-28			8,100							U
54	MH-47 Chinook			10,270							U
55	CV-22 Modification										U
56	MQ-9 Unmanned Aerial Vehicle			19,780							U
57	Precision Strike Package										U
58	AC/MC-130J										U
59	C-130 Modifications			3,750							U
Shipbuilding											
60	Underwater Systems										U
Ammunition Programs											
61	Ordnance Items <\$5M			62,643							U

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Defense-Wide
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2018

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2018 Total		FY 2018 Less Enacted		FY 2018 Remaining Req		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 02: Special Operations Command									
Aviation Programs									
47	Manned ISR			15,900			15,900		U
48	MC-12			20,000			20,000		U
49	MH-60 Blackhawk	A							U
50	Rotary Wing Upgrades and Sustainment			158,988			158,988		U
51	Unmanned ISR	A		52,228			52,228		U
52	Non-Standard Aviation			14,492			14,492		U
53	U-28			13,869			13,869		U
54	MH-47 Chinook			97,615			97,615		U
55	CV-22 Modification			42,178			42,178		U
56	MQ-9 Unmanned Aerial Vehicle			41,440			41,440		U
57	Precision Strike Package			229,728			229,728		U
58	AC/MC-130J			179,934			179,934		U
59	C-130 Modifications			31,809			31,809		U
Shipbuilding									
60	Underwater Systems			92,606			92,606		U
Ammunition Programs									
61	Ordnance Items <\$5M			174,974			174,974		U

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 FY 2019 President's Budget
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 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2018

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2019 Base		FY 2019 OCO		FY 2019 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 02: Special Operations Command									
Aviation Programs									
47	Manned ISR					5,000		5,000	U
48	MC-12					5,000		5,000	U
49	MH-60 Blackhawk	A				27,600		27,600	U
50	Rotary Wing Upgrades and Sustainment			148,351				148,351	U
51	Unmanned ISR	A		57,708		17,000		74,708	U
52	Non-Standard Aviation			18,731		13,000		31,731	U
53	U-28			32,301		51,722		84,023	U
54	MH-47 Chinook			131,033		36,500		167,533	U
55	CV-22 Modification			32,529				32,529	U
56	MQ-9 Unmanned Aerial Vehicle			24,621				24,621	U
57	Precision Strike Package			226,965				226,965	U
58	AC/MC-130J			165,813				165,813	U
59	C-130 Modifications			80,274				80,274	U
Shipbuilding									
60	Underwater Systems			136,723				136,723	U
Ammunition Programs									
61	Ordnance Items <\$5M			357,742		100,850		458,592	U

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 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2018

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2017 (Base + OCO)		FY 2018 PB Request with CR Adj Base		FY 2018 Total PB Requests* with CR Adj Base		FY 2018 PB Request with CR Adj OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Other Procurement Programs											
62	Intelligence Systems			104,080		82,538		82,538		12,000	U
63	Distributed Common Ground/Surface Systems			18,146		11,042		11,042			U
64	Other Items <\$5M			77,231		54,592		54,592			U
65	Combatant Craft Systems			46,548		23,272		23,272			U
66	Special Programs			71,611		16,053		16,053			U
67	Tactical Vehicles			74,169		63,304		63,304		38,527	U
68	Warrior Systems <\$5M			266,704		252,070		252,070		20,215	U
69	Combat Mission Requirements			35,478		19,570		19,570			U
70	Global Video Surveillance Activities			3,437		3,589		3,589			U
71	Operational Enhancements Intelligence			20,799		17,953		17,953		7,134	U
72	Drug Interdiction			8,150							U
73	Operational Enhancements			275,530		241,429		241,429		193,542	U
Total Special Operations Command				2,082,461		1,762,197		1,762,197		460,394	
Total Procurement, Defense-Wide				2,082,461		1,762,197		1,762,197		460,394	

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 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2018

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2018 Total PB Requests+ with CR Adj OCO		FY 2018 Emergency Requests**		FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs		FY 2018 Remaining Req Emergency		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Other Procurement Programs											
62	Intelligence Systems			12,000							U
63	Distributed Common Ground/Surface Systems										U
64	Other Items <\$5M										U
65	Combatant Craft Systems										U
66	Special Programs										U
67	Tactical Vehicles			38,527							U
68	Warrior Systems <\$5M			20,215							U
69	Combat Mission Requirements										U
70	Global Video Surveillance Activities										U
71	Operational Enhancements Intelligence			7,134							U
72	Drug Interdiction										U
73	Operational Enhancements			193,542							U
Total Special Operations Command				460,394							
Total Procurement, Defense-Wide				460,394							

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Defense-Wide
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2018

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2018 Total		FY 2018 Less Enacted		FY 2018 Remaining Req		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Other Procurement Programs									
62	Intelligence Systems			94,538			94,538		U
63	Distributed Common Ground/Surface Systems			11,042			11,042		U
64	Other Items <\$5M			54,592			54,592		U
65	Combatant Craft Systems			23,272			23,272		U
66	Special Programs			16,053			16,053		U
67	Tactical Vehicles			101,831			101,831		U
68	Warrior Systems <\$5M			272,285			272,285		U
69	Combat Mission Requirements			19,570			19,570		U
70	Global Video Surveillance Activities			3,589			3,589		U
71	Operational Enhancements Intelligence			25,087			25,087		U
72	Drug Interdiction								U
73	Operational Enhancements			434,971			434,971		U
Total Special Operations Command				2,222,591			2,222,591		
Total Procurement, Defense-Wide				2,222,591			2,222,591		

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Defense-Wide
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2018

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2019 Base		FY 2019 OCO		FY 2019 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Other Procurement Programs									
62	Intelligence Systems			85,699		16,500		102,199	U
63	Distributed Common Ground/Surface Systems			17,863				17,863	U
64	Other Items <\$5M			112,117		7,700		119,817	U
65	Combatant Craft Systems			7,313				7,313	U
66	Special Programs			14,026				14,026	U
67	Tactical Vehicles			88,608		59,891		148,499	U
68	Warrior Systems <\$5M			438,590		21,135		459,725	U
69	Combat Mission Requirements			19,408		10,000		29,408	U
70	Global Video Surveillance Activities			6,281				6,281	U
71	Operational Enhancements Intelligence			18,509		10,805		29,314	U
72	Drug Interdiction								U
73	Operational Enhancements			367,433		13 126,539		13 493,972	U
Total Special Operations Command				2,588,638		509,242		3,097,880	
Total Procurement, Defense-Wide				2,588,638		509,242		3,097,880	

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TACTICAL VEHICLES	0204TACVEH	67	02	04.....	Volume 1 - 161
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ORGANIZATIONS

1 SOW	1st Special Operations Wing
160th SOAR	160th Special Operations Aviation Regiment
AAC	Air Armament Center
AFRICOM	Africa Command
AFSOC	Air Force Special Operations Command
ANG	Air National Guard
ARDEC	U.S. Army Armament Research, Development and Engineering Center
ARSOA	Army Special Operations Aviation
ATEC	Army Test and Evaluation Command
CACI	California Analysis Center, Incorporated
CENTCOM	Central Command
DARPA	Defense Advanced Research Projects Agency
DOD	Department of Defense
DTRA	Defense Threat Reduction Agency
EACS	Exploitation Analysis Centers
FAA	Federal Aviation Authority
FDA	Food and Drug Administration
JITC	Joint Interoperability Test Center
JSOTF	Joint Special Operations Task Force
JTF	Joint Task Force
MARSOC	Marine Special Operations Command
NAG	National Assessment Group
NATC	Nevada Automotive Test Center
NAVAIRSYSCOM PMA-275	Naval Air Systems Command V-22 Joint Program Office
NAVSEA	Naval Systems Engineering Command
NGA	National Geospatial--Intelligence Agency
NPS	Naval Postgraduate School
NSA	National Security Agency
NSWC	Naval Special Warfare Command
OUSD(I)	Office of the Secretary of Defense, Intelligence
SOAR(A)	Special Operations Aviation Regiment (Airborne)
SOFSA	Special Operations Forces Support Activity
SOTF	Special Operations Task Force
SPAWAR	Space and Naval Warfare Systems

TAPO
TARDEC
TSOC
USAF
USMC
USSOCOM

Technology Applications Program Office
Tank Automotive Research, Development and Engineering Center
Theater Special Operations Command
United States Air Force
United States Marine Corps
United States Special Operations Command

ACRONYMS

Acronym	Full Naming Convention
AMN	Airborne Mission Network
ADS-B	Automatic Dependent Surveillance-Broadcast
ALFPK	Austere Location Force Protection Kits
AM	Amplitude Modulation
APAS	Active Parallel Actuator System
ASE	Aircraft Survivability Equipment
ASIF	All Source Information Fusion
ATD	Advanced Technology Demonstration
ATPIALS	Advanced Target Pointer Illuminator Aiming Laser System
ATW	Advanced Threat Warning
AvFID	Aviation Foreign Internal Defense
AVS	Air Variant System
AWR	Air Worthiness Release
BAA	Broad Area Announcement
BFT	Blue Force Tracking
BLOS	Beyond Line of Site
CASEVAC	Casualty Evacuation
C2	Command and Control
C3	Command, Control, and Communications
C4	Command, Control, Communications, and Computer
C4I	Command, Control, Communications, Computers, and Intelligence
C4IAS	Command, Control, Communications, and Computer Intelligence Automation Systems
CA	Civil Affairs
CAAS	Common Avionics Architecture Systems
CAR	Combat Assault Rifle
CASEVAC	Casualty Evacuation
CCFLIR	Combatant Craft Forward Looking Infrared Radar
CCA	Combatant Craft - Assault
CCH	Combatant Craft - Heavy
CCM	Combatant Craft - Medium
CCME	Combatant Craft Mission Equipment

ACRONYMS

CDU	Control Display Units
CERP	Capital Equipment Replacement Program
CFE	Contractor Furnished Equipment
CHMD	Color Helmet Mounted Display
CIO	Chief Information Officer
CIM	Civil Information Management
CIMDPS	Civil Information Management Data Processing System
CMNS	Combat Mission Needs Statement
CNVD	Clip-On Night Vision Device
COP	Common Operational Picture
COTI	Clip-On Thermal Imagers
COTM	Communications-on-the-Move
COTS	Commercial-Off-The-Shelf
CP	Counter-Proliferation
CPD	Capabilities Production Document
CQC	Close Quarter Combat
CT	Counter-Terrorism
C-UAS	Counter - Unmanned Aerial Systems
DAMS	Distributed Audio Media System
DCGS-SOF	Distributed Common Ground/Surface System--Special Operations Forces
DCM	Defensive Countermeasures
DCS	Dry Combat Submersible
DCU	Data Concentrator Unit
DDS	Dry Deck Shelter
DOD	Department of Defense
DRWG	Distributed Common Ground/Surface System Working Group
DT	Developmental Testing
DVE	Degraded Visual Environment
DVEPS	Degraded Visual Environment Pilotage System
DWS	Defensive Weapon System
EAC	Exploitation Analysis Centers
ECM	Electronic Countermeasures

ACRONYMS

ECOS	Enhanced Combat Optical Sights
ECP	Engineering Change Proposal
EDM	Engineering Development Model
EMD	Engineering and Manufacturing Development
EO/IR	Electro-Optical Infrared
ER	Extended Range
ESA	Enhanced Situational Awareness
ETI	Evolutionary Technology Insertion
EUD	End User Devices
EW	Electronic Warfare
FABS	Fly-Away Broadcast System
FCD	Field Computing Devices
FM	Frequency Modulation
FMV	Full Motion Video
FOC	Full Operational Capability
FoS	Family of Systems
FRP	Full Rate Production
FSOV	Family of Special Operations Vehicles
FVL	Future Vertical Lift
FY	Fiscal Year
FYDP	Fiscal Year Defense Plan
GATM	Global Air Traffic Management
GCC	Geographical Combatant Commander
GEOINT	Geospatial Intelligence
GFE	Government Furnished Equipment
GIG	Global Information Grid
GMV	Ground Mobility Vehicle
GOTS	Government-Off-The-Shelf
GPPU	General Purpose Processing Units
GPS	Global Positioning System
GSK	Ground Signals Intelligence Kit
HEL	High Energy Laser

ACRONYMS

HF	High Frequency
HFIS	Hostile Fire Indicator System
HFTTL	Hostile Forces Tagging, Tracking, and Locating
HHI	Hand Held Imager
HLM	Handheld Laser Marker
IC	Intelligence Community
IDIQ	Indefinite Delivery/Indefinite Quantity
ILS	Integrated Logistics Support
IM	Insensitive Munitions
INOD	Improved Night/Day Observation/Fire Control Device
IOC	Initial Operational Capability
IPN	Installation Processing Node
IR	Infrared
IRCM	Infrared Countermeasures
IRSS	Infrared Suppression System
ISP	Integrated Survey Plan
ISR	Intelligence, Surveillance and Reconnaissance
ISR&T	Intelligence, Surveillance, Reconnaissance, and Targeting
IT	Information Technology
ITMS	Integrated Tactical Mission Systems
JIE	Joint Information Environment
JOS	Joint Operational Stocks
JTWS	Joint Threat Warning System
LAM	Laser Aiming Marker
LCM	Low Cost Modification
LCS	Load Carriage System
LFT&E	Live Fire Test and Evaluation
LMAMS	Lethal Miniature Aerial Munition Systems
LOS	Line of Sight
LPI/LPD	Low Probability of Intercept/Low Probably of Detection
LRBS	Long Range Broadcast System
LRIP	Low Rate Initial Production

ACRONYMS

LRU	Line Replaceable Unit
LSDB	Laser--Small Diameter Bomb
LTATV	Lightweight Tactical All Terrain Vehicle
MAAWS	Multi-Purpose Anti-Armor/Anti-Personnel Weapons System
MANET	Mobile Ad-hoc Networking
MCE	Military Construction Collateral Equipment
MEDVAC	Medical Evacuation
MELB	Mission Enhancement Little Bird
MFD	Multi-Function Display
MFP	Major Force Program
MG	Machine Gun
MGS	Modular Glove System
MICH	Modular Integrated Communications Helmet
MIP	Military Intelligence Program
MIPR	Military Interdepartmental Purchase Request
MISO	Military Information Support Operations
MLE	Military Liaison Element
MPU	Mission Processor Unit
MS	Milestone
MSSEP	Mobile SOF Strategic Entry Points
MTD	Mission Training Devices
MTPS	Mission Training and Preparation Systems
MTS-B	Multi-Spectral Targeting System--B
MWS	Missile Warning System
NDI	Non-Developmental Item
NGA	National Geospatial-Intelligence
NGFLIR	Next Generation Forward Looking Infrared Radar
NG CCFLIR	Next Generation Combatant Craft Forward Looking Infrared Radar
NGLS	Next Generation Loud Speakers
NM	Nautical Mile
NRE	Non-Recurring Engineering
NSAV	Non-Standard Aviation

ACRONYMS

NSCV	Non-Standard Commercial Vehicle
NSSS	National Systems Support to SOF
NTM	National Technical Means
NVD	Night Vision Devices
OA	Operational Assessment
OCO	Overseas Contingency Operations
OEM	Original Equipment Manufacturer
OFP	Operational Flight Program
OT	Operational Test
OT&E	Operational Test and Evaluation
P3I	Pre-Planned Product Improvement
PCAS	Persistent Close Air Support
PCU	Protective Combat Uniform
PE	Program Element
PED	Processing, Exploitation, and Dissemination
PGL	Precision Geo Location
PGM	Precision Guided Munitions
PISA	Predator Integrated Signals Intelligence Architecture
POR	Program of Record
PSM	Personal Signature Management
PSP	Precision Strike Package
QL-CBA	Quick-Look Capabilities-Based Assessment
RAMS	Removable Airborne Military Information Support Operations System
RC-IED	Counter Radio Controlled-Improvised Explosive Device
R&D	Research and Development
RDT&E	Research, Development, Test, and Evaluation
RECCE	Tactical Reconnaissance Kit
RF	Radio Frequency
RFCM	Radio Frequency Countermeasures
RIS	Radio Integration System
ROP	Remote Observation Post
RSTA	Reconnaissance, Surveillance, and Targeting Acquisition

ACRONYMS

RWR	Radar Warning Receiver
SA	Surface-to-Air
SAFC	Special Applications for Contingencies
SAPNET	Special Access Program Network
SATCOM	Satellite Communications
SBIR	Small Business Innovative Research
SBUD	Simulator Block Updates
SCO	SOF Cryptologic Operator
SDB	Small Diameter Bomb
SDN	SOF Deployable Node
SDN-EP	SOF Deployable Node--Extension Packages
SDN-H	SOF Deployable Node-Heavy
SDN-L	SOF Deployable Node-Light
SDN-M	SOF Deployable Node-Medium
SDV	Sea, Air, Land (SEAL) Delivery Vehicle
SEAL	Sea, Air, Land
SEALION	Sea, Air, Land, Insertion Observation Neutralization
SFAC	Security Forces Assistance Craft
SGM	Small Glide Munition
SIE	Special Operations Forces Information Environment
SIGINT	Signals Intelligence
SIL	System Integration Lab
SIRFC	Suite of Integrated Radio Frequency Countermeasures
SKR	Silent Knight Radar
SMS	Special Mission System
SOCRATES	Special Operations Command, Research, Analysis and Threat Evaluation System
SOF	Special Operations Forces
SOF-P	Special Operations Forces--Peculiar
SOFNET	Special Operations Forces Network
SOFPREP	Special Operations Forces Planning, Rehearsal, and Execution Preparation
SOFSA	Special Operations Forces Support Activity
SOMPE	Special Operations Mission Planning and Execution

ACRONYMS

SOPGM	Standoff Precision Guided Munitions
SoS	System of Systems
SPCOM	Special Communications Field Segment - Enterprise
SPEAR	SOF Personal Equipment Advanced Requirements
SPPN	Special Purpose Processing Node
SMU	Special Mission Units
SR	Special Reconnaissance
SRTV	Secure Real-Time Video
SSE	Sensitive Site Exploitation
STC	SOF Tactical Communications
STLD	Small Target Location Devices
STTR	Small Business Technology Transfer
STUAS	Small Tactical Unmanned Aerial Systems
SWAP	Size, Weight and Power
SWCS	Shallow Water Combat Submersible
TACLAN	Tactical Local Area Network
TAS	Threat Awareness System
TCCC	Tactical Combat Casualty Care
TDL	Tactical Data Link
TENCAP	Tactical Exploitation of National Capabilities
TF/TA	Terrain Following/Terrain Avoidance
TOCNET	Tactical Operations Center
TPAN	Tactical Personal Area Networks
TRL	Technical Readiness Level
TTV	Team Transportable Variant
TTL	Tagging, Tracking and Locating
TV	Television
TVS/RSTA	Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition
UAS	Unmanned Aircraft System
UAV	Unmanned Aerial Vehicle
UHF	Ultra High Frequency
UGS/UMS	Unattended Ground Sensors/Unattended Maritime Sensors

ACRONYMS

URG	Upper Receiver Groups
VAS	Visual Augmentation Systems
VAS-BM	Visual Augmentation-Binocular-Monocular
VASWA	Visual Augmentation System-Weapons Accessories
VBL	Visible Bright Light
VBSS	Visit, Board, Search, and Seizure
VHF	Very High Frequency
VTC	Video Teleconferencing
WAN	Wide Area Network
WPAN	Wireless Personal Area Networks
WPNAC	Weapons Accessories

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0201MANISR / MANNED ISR
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 1160433BB	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: 0000

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	7.300	15.900	-	5.000	5.000	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	7.300	15.900	-	5.000	5.000	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	7.300	15.900	-	5.000	5.000	-	-	-	-	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This P1 Line Item is part of the Military Intelligence Program. It includes programs which provide for Intelligence, Surveillance, and Reconnaissance (ISR) in support of irregular warfare operations. Primary mission emphasis is on signals intelligence, imagery, target acquisition, threat warning, threat identification, and surveillance missions. Includes avionics, and sensor maintenance, peculiar support equipment, communication systems, common datalink systems, training, trainers, mission training devices (MTD) and the associated ground processing, exploitation and dissemination system. This program received FY 2017 Overseas Contingency Operations (OCO) adds.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0201MANISR / MANNED ISR
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 1160433BB	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: 0000

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Manned ISR				- / -	- / 7.300	- / 15.900	- / -	- / 5.000	- / 5.000
P-40	Total Gross/Weapon System Cost				- / -	- / 7.300	- / 15.900	- / -	- / 5.000	- / 5.000

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2019 OVERSEAS CONTINGENCY OPERATIONS (OCO) PROGRAM JUSTIFICATION: Procures low cost modifications for the SOCOM Tactical Airborne Multi-Sensor Platforms (STAMP), 2x DCH-8 and 3x King Air B-300's, to include Tincup installation and Global Positioning System upgrades on the three King Air aircraft.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 **P-1 Line Item Number / Title:** 0201MANISR / MANNED ISR **Aggregated Items Title:** Manned ISR

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Manned ISR Hardware																				
Low Cost Modifications Overseas Contingency Operations (OCO)			-	-	-	-	-	7.300	-	-	15.900	-	-	-	-	-	5.000	-	-	5.000
Subtotal: Manned ISR Hardware			-	-	-	-	-	7.300	-	-	15.900	-	-	-	-	-	5.000	-	-	5.000
Total			-	-	-	-	-	7.300	-	-	15.900	-	-	-	-	-	5.000	-	-	5.000

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0201MC12 / MC-12
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	57.858	20.000	20.000	-	5.000	5.000	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	57.858	20.000	20.000	-	5.000	5.000	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	57.858	20.000	20.000	-	5.000	5.000	-	-	-	-	-	-

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This P-1 Line Item is part of the Military Intelligence Program. The mission of the MC-12W/Javaman III is to provide a manned fixed wing capability for improved tactical airborne Intelligence, Surveillance, Reconnaissance, and Targeting in support of Theater Special Operations Forces. This line funds SOF peculiar modifications to manned ISR aircraft and the procurement and associated modifications of training systems to meet evolving SOF mission requirements. There is no associated RDT&E. This program received Overseas Contingency Operations funding in FY 2017.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0201MC12 / MC-12
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	MC-12				- / 57.858	- / 20.000	- / 20.000	- / -	- / 5.000	- / 5.000
P-40	Total Gross/Weapon System Cost				- / 57.858	- / 20.000	- / 20.000	- / -	- / 5.000	- / 5.000

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2019 OVERSEAS CONTINGENCY OPERATIONS (OCO) PROGRAM JUSTIFICATION: Procures low cost modifications of USSOCOM's Government Owned Contractor Operated Javaman aircraft.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 **P-1 Line Item Number / Title:** 0201MC12 / MC-12 **Aggregated Items Title:** MC-12

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Low Cost Modification																				
1 / MC-12 Modification			-	-	53.135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2 / Low Cost Modification - Overseas Contingency Operations			-	-	4.723	-	-	20.000	-	-	20.000	-	-	-	-	-	5.000	-	-	5.000
Subtotal: Low Cost Modification			-	-	57.858	-	-	20.000	-	-	20.000	-	-	-	-	-	5.000	-	-	5.000
Total			-	-	57.858	-	-	20.000	-	-	20.000	-	-	-	-	-	5.000	-	-	5.000

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160482BB
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Line Item MDAP/MAIS Code: 0000

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	906.613	18.600	-	-	27.600	27.600	-	-	-	-	-	952.813
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	906.613	18.600	-	-	27.600	27.600	-	-	-	-	-	952.813
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	906.613	18.600	-	-	27.600	27.600	-	-	-	-	-	952.813

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	32.910	-	-	-	-	-	-	-	-	-	-	32.910
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This P-1 Line Item was previously named MH-60 Modernization Program. Army Special Operations Aviation (ARSOA) provides organic aviation support to Special Operations Forces (SOF) for world-wide contingency operations and low-intensity conflicts. ARSOA utilizes 72 highly specialized MH-60 aircraft capable of world-wide rapid deployment operations and penetration of hostile areas for these missions. The aircraft are capable of operating at extended ranges under adverse weather conditions and harsh environments deep in enemy territory. The aircraft are used to infiltrate, provide logistics for, reinforce, provide close air support, and extract SOF. The MH-60M program provides ARSOA with a single model aircraft prepared to support the SOF ground force commander into the foreseeable future. This program received FY 2017 Overseas Contingency Operations (OCO) funding to replace one MH-60M aircraft loss in August 2015.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160482BB
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Line Item MDAP/MAIS Code: 0000

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / MH-60 BLACKHAWK	P-5a, P-21			- / 906.613	- / 18.600	- / -	- / -	- / 27.600	- / 27.600
P-40	Total Gross/Weapon System Cost				- / 906.613	- / 18.600	- / -	- / -	- / 27.600	- / 27.600

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2019 OCO PROGRAM JUSTIFICATION: Funds SOF-Unique modifications to replace one MH-60M Blackhawk battle loss. The modification cost increased \$9.223 million due to the loss of all SOF-Unique mission equipment, to include A-Kits, B-Kits, program support and labor costs.

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Exhibit P-5, Cost Analysis: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK	Item Number / Title [DODIC]: - / 1 / MH-60 BLACKHAWK

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	906.613	18.600	-	-	27.600	27.600
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	906.613	18.600	-	-	27.600	27.600
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	906.613	18.600	-	-	27.600	27.600

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	32.910	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Government Furnished Equipment (OCO) Cost																		
Recurring Cost																		
A Kits (OCO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.110	-	-	3.110
B Kits (OCO) ^(t)	-	-	906.613	18.600	1	18.600	-	-	-	-	-	-	19.630	1	19.630	19.630	1	19.630
<i>Subtotal: Recurring Cost</i>	-	-	906.613	-	-	18.600	-	-	-	-	-	-	-	-	22.740	-	-	22.740
<i>Subtotal: Hardware - Government Furnished Equipment (OCO) Cost</i>	-	-	906.613	-	-	18.600	-	-	-	-	-	-	-	-	22.740	-	-	22.740
Support - Support (OCO) Cost																		
Labor and Program Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.860	-	-	4.860
<i>Subtotal: Support - Support (OCO) Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.860	-	-	4.860
Gross/Weapon System Cost	-	-	906.613	-	-	18.600	-	-	-	-	-	-	-	-	27.600	-	-	27.600

^(t) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK	Item Number / Title [DODIC]: - / 1 / MH-60 BLACKHAWK
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
B Kits (OCO) ^(†)	✓	2017	Lockheed Martin / Lexington, KY	SS / CPFF	Fort Eustis,VA	Sep 2017	Dec 2018	1	18.600	Y		
B Kits (OCO) ^(†)	✓	2019	Lockheed Martin / Lexington, KY	SS / CPFF	Fort Eustis,VA	Sep 2019	Dec 2020	1	19.630	Y		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK	Item Number / Title [DODIC]: - / 1 / MH-60 BLACKHAWK
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2017												Fiscal Year 2018												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017												Calendar Year 2018												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
B Kits (OCO)																															
✓	1	2017	SOCOM	1	0	1																							A - - - - - - - - - -	1	
✓	1	2019	SOCOM	1	0	1																								1	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 **P-1 Line Item Number / Title:** 0201MH60 / MH-60 BLACKHAWK **Item Number / Title [DODIC]:** - / 1 / MH-60 BLACKHAWK

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2019												Fiscal Year 2020												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019												Calendar Year 2020												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
B Kits (OCO)																															
✓	1	2017	SOCOM	1	0	1	-	-	1																				0		
✓	1	2019	SOCOM	1	0	1																							1		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK	Item Number / Title [DODIC]: - / 1 / MH-60 BLACKHAWK
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2021														Fiscal Year 2022														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021														Calendar Year 2022														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
B Kits (OCO)																																			
✓	1	2017	SOCOM	1	1	0																								0					
✓	1	2019	SOCOM	1	0	1	-	-	1																					0					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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Exhibit P-21, Production Schedule: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK	Item Number / Title [DODIC]: - / 1 / MH-60 BLACKHAWK
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2019	1-8-5 For 2019	MAX For 2019	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Lockheed Martin - Lexington, KY	1	1	1	-	5	15	20	-	-	-	-

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160482BB, 1160403BB, 1160427BB
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Line Item MDAP/MAIS Code: 0000

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,529.140	164.596	158.988	148.351	-	148.351	143.788	149.300	152.009	155.215	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,529.140	164.596	158.988	148.351	-	148.351	143.788	149.300	152.009	155.215	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,529.140	164.596	158.988	148.351	-	148.351	143.788	149.300	152.009	155.215	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	60.842	2.174	19.001	19.748	-	19.748	18.602	18.974	19.354	19.741	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Special Operations Forces (SOF) provide organic aviation support for world-wide contingency operations and low-intensity conflicts. The specialized aircraft for these missions must be capable of world-wide rapid deployment, undetected penetration of hostile areas, and operations in contested or anti-access/area denial (A2/AD) environments. These aircraft must also be capable of operating at extended ranges under adverse weather conditions to infiltrate, provide logistics for, reinforce, and extract SOF. This P-1 line item provides for on-going reliability, maintainability, spares, equipment, weapons, aircraft survivability equipment (ASE) upgrades, as-well-as, costs for fielded rotary wing aircraft and subsystems. These include: A/MH-6 Low Cost Modifications (LCM), A/MH-6 Block Upgrades, MH-47 Block Upgrades, MH-47 LCM, MH-60 LCM, Next Generation Forward Looking Infrared (NGFLIR), Secure Real Time Video (SRTV), Simulator Block Upgrades (SBUD), Commercial Spares, Aircraft Survivability Equipment (ASE), Silent Knight Terrain Following/Terrain Avoidance (TF/TA) Radar, Mission Processor Upgrades (MPU), MH-60M Block Upgrades, and Degraded Visual Environment (DVE).

The FY 2019 funding request was reduced by \$-0.863 million to account for the availability of prior year execution balances.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs **P-1 Line Item Number / Title:** 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 1160482BB, 1160403BB, 1160427BB

Line Item MDAP/MAIS Code: 0000

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Rotary Wing Upgrades and Sustainment				- / 1,890.236	- / 48.459	- / 53.487	- / 20.814	- / -	- / 20.814
P-3a	11 / Silent Knight TF/TA Radar (Added Capability)				- / 93.119	- / 37.273	- / 44.089	- / 57.707	- / -	- / 57.707
P-3a	12 / Mission Processor Upgrades (MPU) (Added Capability)				- / 58.199	- / 39.830	- / 21.658	- / 16.657	- / -	- / 16.657
P-3a	13 / Aircraft Survivability Equipment (Survivability)				- / 480.105	- / 30.125	- / 21.829	- / 14.103	- / -	- / 14.103
P-3a	14 / MH-60 Block Upgrades (Added Capability)				- / 7.481	- / 8.909	- / 6.527	- / 8.127	- / -	- / 8.127
P-3a	15 / A/MH-6 Block Upgrades (Added Capability)				- / -	- / -	- / 11.398	- / 30.943	- / -	- / 30.943
P-40	Total Gross/Weapon System Cost				- / 2,529.140	- / 164.596	- / 158.988	- / 148.351	- / -	- / 148.351

Exhibits Schedule					FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Rotary Wing Upgrades and Sustainment				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	11 / Silent Knight TF/TA Radar (Added Capability)				- / 41.033	- / 41.844	- / 42.671	- / 43.514	Continuing	Continuing
P-3a	12 / Mission Processor Upgrades (MPU) (Added Capability)				- / 20.185	- / 14.865	- / 14.598	- / 14.985	Continuing	Continuing
P-3a	13 / Aircraft Survivability Equipment (Survivability)				- / 13.777	- / 14.731	- / 16.192	- / 16.516	Continuing	Continuing
P-3a	14 / MH-60 Block Upgrades (Added Capability)				- / 8.369	- / 9.490	- / 8.195	- / 8.359	Continuing	Continuing
P-3a	15 / A/MH-6 Block Upgrades (Added Capability)				- / 27.404	- / 27.903	- / 28.412	- / 28.931	Continuing	Continuing
P-40	Total Gross/Weapon System Cost				- / 143.788	- / 149.300	- / 152.009	- / 155.215	Continuing	Continuing

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

1. The A/MH-6M Low Cost Modifications (LCM) include modifications to the A/MH-6 Mission Enhanced Little Bird (MELB), component miniaturizations, SOF-peculiar Engineering Change Proposals (ECP), spares, and minor modifications to SOF-unique equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission critical capabilities.

FY 2019 PROGRAM JUSTIFICATION: Procures various hardware and software solutions to improve reliability and maintainability, correct deficiencies, addresses obsolescence, and incorporates mission critical capabilities.

2. The MH-47 LCM include Army ECP modifications due to the unique configuration of SOF aircraft, SOF-peculiar ECPs, spares, and minor modifications to SOF-unique equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission critical capabilities.

FY 2019 PROGRAM JUSTIFICATION: Procures various hardware and software solutions to improve reliability and maintainability, correct deficiencies, addresses obsolescence, and incorporates mission critical capabilities.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160482BB, 1160403BB, 1160427BB
Line Item MDAP/MAIS Code: 0000		
<p>3. The MH-60 LCM include modifications to the MH-60, component miniaturizations, SOF-peculiar ECPs, spares, and minor modifications to SOF-unique equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission critical capabilities including improvements over the existing MH-60M fleet.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures various hardware and software solutions to improve reliability and maintainability, correct deficiencies, addresses obsolescence, and incorporates mission critical capabilities.</p> <p>4. The MH-47 Block Upgrades program funds increased capabilities, addresses obsolescence issues, and incorporates new and maturing emerging technologies into the MH-47 aircraft. This project also includes modifications to ASE and weapons systems to counter rapidly emerging threats, improve lethality and enhance aircraft survivability.</p> <p>5. The NGFLIR program consists of non-recurring engineering (NRE), procurement, and installation of FLIR Pre-Planned Product Improvements (P3I). The P3I will improve targeting, tracking, and aircrew situational awareness on Army Special Operations Aviation (ARSOA) light and heavy weight platforms.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Evaluating and assessing different commercial-off-the-shelf/non-developmental items for integration and user evaluation as a potential replacement for legacy FLIR systems for SOF platforms.</p> <p>6. The SBUD program procures concurrency, obsolescence, and fidelity upgrades to special mission aircraft combat mission simulators, ensuring realistic full-spectrum training and mission rehearsal capabilities. Rotary wing training systems include, but are not limited to, Combat Mission Simulators (CMS) for the MH-47, MH-60, A/MH-6, and peripheral devices. These CMS have the highest utilization rates across the Army Aviation Enterprise; thereby, reducing risk for complex mission sets and reducing overall costs and safety stresses of live training. This suite of training devices ensures the SOAR(A) meets its aviator throughput requirement by maximizing resources required to attain aircraft and mission proficiency.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Continues to procure modifications to aircrew training devices and production support.</p> <p>7. Commercial Spares provides replenishment and sparing of SOF peculiar mission equipment components for Army Special Operations Aviation Command aviation spare parts greater than the \$250K O&M individual item purchase threshold. Provides for in-service replacement of items damaged beyond economical repair.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures commercial spare parts.</p> <p>8. The Degraded Visual Environment Pilotage System (DVEPS) solution will fuse information from currently fielded aircraft sensors with emerging sensor technology and digital terrain elevation data to display real-time reference points, obstacles, and landing zone information to the aviator. The DVE solution will provide MH-47 and MH-60 aircrews with visual cues for obstacle avoidance and aircraft control during all phases of flight and significantly increase crew and passenger survivability in DVE.</p> <p>9. The SRTV program provides full motion video from ground or air assets to enable real-time threat assessment and to maximize mission effectiveness and survivability. SRTV will increase mission success and crew/platform survivability by confirming or denying that the assault plan is viable and that the offensive maneuver force is sufficient to overwhelm the enemy.</p> <p>10. The HFIS detects anti-aircraft artillery, rocket-propelled grenade launches, and other small arms fire. By providing detection and angle of arrival information, the HFIS will allow the aircrew to perform evasive and counter-fire actions, significantly increasing the aircraft's probability of survival.</p> <p>11. The Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar program will procure and install the AN/APQ-187, a SOF-common TF/TA Multi-Mode Radar, spares, and Engineering Change Proposal (ECPs). The AN/APQ-187 is characterized by a Low Probability of Intercept/Low Probability of Detection capability, and will be installed on the MH-47G, MH-60M, CV-22, and MC-130J. This new radar provides mission essential capabilities while addressing obsolescence issues associated with today's legacy radar systems: the AN/APQ-174B and AN/APQ-186. Firm Fixed Price (FFP) Low Rate Initial Production</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160482BB, 1160403BB, 1160427BB
Line Item MDAP/MAIS Code: 0000		
<p>(LRIP) Contract IIA was awarded to Raytheon in May 2016, followed by LRIP IIB contract award (also FFP) in February 2017. Follow-on platform A Kit aircraft install kits will be awarded each year for fielding. MH-47G and MH-60M A Kit production and installation will be completed at SOFSA.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures 1 MH-47 A Kit, 13 B Kits, and 3 initial spares and engineering change proposals.</p> <p>12. The MPU replaces the current Mission Processor (to include the Multi-Function Displays and Control Display Units) within all ARSOA aircraft. This upgrade increases software processor performance margins and enables the Operational Flight Program (OFP) to accommodate planned future updates, which include: Federal Aviation Agency Global Air Traffic Management (GATM), and Airborne Mission Networking (AbMN). This program also includes upgrades to the Common Avionics Architecture System (CAAS) and the Aviation Management System (AMS), which are the software backbone to the OFPs, and upgrades the current embedded Global Positioning System (GPS)/Inertial Navigation System with an all-in-view GPS card in accordance with Global Area Navigation System/GATM requirements. AbMN will install ground force compatible radios to digitally exchange tactical information among participating forces culminating in an accurate, composite, and correlated picture of the entire battle space. AbMN provides Army Special Operations Aviation airborne platforms and on-board supported forces digital connectivity with ground elements and other airborne assets to include a Common Operational Picture (COP) of hostile and friendly forces.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures 13 A-Kits, 30 B-Kits, non-recurring engineering, GPPU engineering, integration and testing.</p> <p>13. The ASE program was established to procure and field critical active and passive SOF-unique ASE to counter rapidly evolving Surface-to-Air (SA) and Air-to-Air (AA) threat systems for the A/MH-6, MH-60, and MH-47. This program includes fielding of new systems and pre-planned product improvements/upgrades of fielded ASE, addresses obsolescence issues through production based engineering change proposals, provides technical data and fielding support and testing. Beginning in FY 2017 this program included the Suite of Integrated Radio Frequency Countermeasures (SIRFC) and Infrared Countermeasures (IRCM) programs. SIRFC is a fully integrated, modular and adaptable suite of active aircraft survivability equipment that increases combat effectiveness and potential for mission accomplishment for ARSOA aircraft. SIRFC provides state-of-the-art radar warning receivers and technologically advanced radar-jamming capabilities for increased threat detection, enhanced situational awareness, and defensive countermeasures. The IRCM program provides a low Size, Weight, and Power capability suitable for the A/MH-6 MELB with potential use on the MH-60 and MH-47 aircraft. The IRCM program will develop, integrate, qualify, and test a Department of Navy developmental lightweight IRCM system to include a missile warning system and countermeasure capability.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures seven A/MH-6 A-Kits, 1 B-Kit, LRU-1 Upgrades, integration, flight and fielding support.</p> <p>14. The MH-60M Block Upgrades program funds increased capabilities, addresses obsolescence issues, and incorporates new and maturing emerging technologies into the MH-60M aircraft. This project also includes modifications to Aircraft Survivability Equipment (ASE) and weapons systems to counter rapidly emerging threats, improve lethality and enhance aircraft survivability.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures 7 A Kits, 9 B-Kits, production engineering, and integrated logistics support.</p> <p>15. The A/MH-6M Block Upgrades. This modification will restore structural, performance, and safety margins for the aircrews while providing an acceptable level of situational awareness in the cockpit and accommodations for rapid integration of future capabilities. This project also includes modifications to ASE and weapons systems to counter rapidly emerging threats, improve lethality and enhance aircraft.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures 16 avionics kits, 16 airframe kits, seven integrated airframe shells, two installs, integrated support and publications.</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command															Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1							P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT								Aggregated Items Title: Rotary Wing Upgrades and Sustainment				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - A/MH-6M Low Cost Modifications (LCM)																				
1.1 / A/MH-6M Low Cost Modifications (LCM)			-	-	6.611	-	-	3.953	-	-	2.637	-	-	2.686	-	-	-	-	-	2.686
Subtotal: 1 - A/MH-6M Low Cost Modifications (LCM)			-	-	6.611	-	-	3.953	-	-	2.637	-	-	2.686	-	-	-	-	-	2.686
2 - MH-47 LCM																				
2.1 / LCM			-	-	9.766	-	-	3.195	-	-	3.254	-	-	2.394	-	-	-	-	-	2.394
Subtotal: 2 - MH-47 LCM			-	-	9.766	-	-	3.195	-	-	3.254	-	-	2.394	-	-	-	-	-	2.394
3 - MH-60 LCM																				
3.1 / LCM			-	-	7.142	-	-	5.558	-	-	2.489	-	-	2.537	-	-	-	-	-	2.537
Subtotal: 3 - MH-60 LCM			-	-	7.142	-	-	5.558	-	-	2.489	-	-	2.537	-	-	-	-	-	2.537
4 - MH-47 Block Upgrades																				
4.1 / A/B Kits			-	-	27.660	0.863	1	0.863	0.425	3	1.274	-	-	-	-	-	-	-	-	-
4.2 / Government Furnished Equipment/ Integration, Logistics Support, Publications			-	-	37.476	-	-	4.415	-	-	3.130	-	-	-	-	-	-	-	-	-
4.3 / Non-Recurring Engineering			-	-	38.312	-	-	3.320	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4 - MH-47 Block Upgrades			-	-	103.448	-	-	8.598	-	-	4.404	-	-	-	-	-	-	-	-	-
5 - Next Generation Forward Looking Infrared (NGFLIR)																				
5.1 / Sensor Payload Integration			-	-	-	-	-	-	-	-	2.312	-	-	1.158	-	-	-	-	-	1.158
Subtotal: 5 - Next Generation Forward Looking Infrared (NGFLIR)			-	-	-	-	-	-	-	-	2.312	-	-	1.158	-	-	-	-	-	1.158
6 - Simulator Block (SBUD) Cost																				
6.1 / Updates			-	-	24.206	-	-	8.134	-	-	8.870	-	-	9.206	-	-	-	-	-	9.206
6.2 / Production Support			-	-	4.089	-	-	1.640	-	-	1.432	-	-	1.456	-	-	-	-	-	1.456
Subtotal: 6 - Simulator Block (SBUD) Cost			-	-	28.295	-	-	9.774	-	-	10.302	-	-	10.662	-	-	-	-	-	10.662
7 - Commercial Spares																				
7.1 / Commercial Spares			-	-	2.123	-	-	4.583	-	-	1.350	-	-	1.377	-	-	-	-	-	1.377
Subtotal: 7 - Commercial Spares			-	-	2.123	-	-	4.583	-	-	1.350	-	-	1.377	-	-	-	-	-	1.377
8. Degraded Visual Equipment (DVE) Pilotage System																				
8.1 / A Kits			-	-	-	0.056	40	2.233	0.175	42	7.350	-	-	-	-	-	-	-	-	-
8.2 / B-Kits			-	-	-	0.151	40	6.043	0.557	21	11.697	-	-	-	-	-	-	-	-	-
8.3 / Spares			-	-	-	-	-	1.511	-	-	4.500	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command															Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1						P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT									Aggregated Items Title: Rotary Wing Upgrades and Sustainment				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
8.4 / Production Support			-	-	-	-	-	0.250	-	-	3.192	-	-	-	-	-	-	-	-	
Subtotal: 8. Degraded Visual Equipment (DVE) Pilotage System			-	-	-	-	-	10.037	-	-	26.739	-	-	-	-	-	-	-	-	
9 - Secure Real Time Video (SRTV)																				
9.1 / A/B			-	-	8.621	-	-	1.914	-	-	-	-	-	-	-	-	-	-	-	
9.2 / Other Support			-	-	6.709	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9.3 / Non Recurring Engineering (NRE)			-	-	7.140	-	-	0.397	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 9 - Secure Real Time Video (SRTV)			-	-	22.470	-	-	2.311	-	-	-	-	-	-	-	-	-	-	-	
10 - Hostile Fire Indicator System (HFIS)																				
10.1 / A/B Kits			0.242	11	2.665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10.2 / Spares			0.384	2	0.768	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10.3 / Non Recurring Engineering			-	-	5.040	-	-	0.246	-	-	-	-	-	-	-	-	-	-	-	
10.4 / Other			-	-	2.500	-	-	0.204	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 10 - Hostile Fire Indicator System (HFIS)			-	-	10.973	-	-	0.450	-	-	-	-	-	-	-	-	-	-	-	
Prior Years Funding																				
Prior Years - Overseas Contingency Operations (OCO)			-	-	11.350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prior Years - Baseline			-	-	1,688.058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Prior Years Funding			-	-	1,699.408	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	1,890.236	-	-	48.459	-	-	53.487	-	-	20.814	-	-	-	-	20.814	

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT	Modification Number / Title: 11 / Silent Knight TF/TA Radar

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	93.119	37.273	44.089	57.707	-	57.707	41.033	41.844	42.671	43.514	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	93.119	37.273	44.089	57.707	-	57.707	41.033	41.844	42.671	43.514	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	93.119	37.273	44.089	57.707	-	57.707	41.033	41.844	42.671	43.514	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	13.993	0.663	8.165	12.477	-	12.477	9.448	9.637	9.830	10.027	Continuing	Continuing
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program procures a Special Operations Forces (SOF)-common Silent Knight Radar (SKR) Terrain Following/Terrain Avoidance (TF/TA). The SKR TF/TA system provides SOF common low-probability of intercept/low-probability of detection radar to defeat advanced passive detection threats while maintaining ability to fly safe TF. This radar is targeted for use on all MH-47G Chinook heavy assault helicopters, MH-60M medium assault helicopters, CV-22 Tilt-Rotor aircraft, and MC-130J aircraft. This new radar provides mission essential capabilities while addressing obsolescence issues associated with today's legacy radar systems: the AN/APQ-174B and AN/APQ-186.

Development Status/Major Development Milestones

Date	Title	Description
Jul 2013	Low Rate Initial Production	Purchased four low rate initial production units in FY 2013 that delivered in FY 2015
May 2016	Low Rate Initial Production IIA	Purchased ten low rate initial production units for rotary wing
Aug 2016	MH47G/MH-60M Limited User Test (Software Version 7.13)	Assessment of suitability of SW ver 7.13 in operational environment resulted in identification of a required subsequent SW ver 7.14 development and test to enable close formation flight
Sep 2016	MH-47G/MH-60M Qualification Test	Qualification testing completed with Software Baseline 7.13.02
Feb 2017	Low Rate Initial Production IIB	Purchased eight low rate initial production units for rotary wing
Aug 2017	MH-47G/MH-60M Software Version 7.14 Demo	Successful flight demonstration of software release 7.14 to implement formation flight improvements.

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT	Modification Number / Title: 11 / Silent Knight TF/TA Radar

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
Models of Systems Affected: MH-47G/MH-60M/MC-130/CV-22	Modification Type: Added Capability
Related RDT&E PEs: 1160403BB	

Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
RDT&E PE #												
1160403BB	- / 269.526	- / 6.227	- / -	- / 1.212	- / -	- / 1.212	- / 2.487	- / 2.373	- / 2.105	- / 2.148	- / -	- / 286.078

Procurement												
Modification Item 1 of 1: SKR TF/TA												
A Kits												
Recurring												
AN/APQ-187 (MH-47)	- / 1.080	- / 0.441	- / 0.600	- / 0.900	- / -	- / 0.900	- / 1.869	- / 1.907	- / 1.983	- / 2.022	Continuing	Continuing
AN/APQ-187 (MH-60)	- / -	- / 0.785	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.785
Subtotal: Recurring	- / 1.080	- / 1.226	- / 0.600	- / 0.900	- / -	- / 0.900	- / 1.869	- / 1.907	- / 1.983	- / 2.022	Continuing	Continuing
B Kits												
Recurring												
AN/APQ-187	23 / 70.341	10 / 32.079	11 / 35.324	13 / 42.830	- / -	13 / 42.830	9 / 29.716	9 / 30.300	9 / 30.858	9 / 31.465	Continuing	Continuing
Initial Spares (Radars)	2 / 13.993	- / 0.663	2 / 8.165	3 / 9.277	- / -	3 / 9.277	3 / 9.448	3 / 9.637	3 / 9.830	3 / 10.027	Continuing	Continuing
Initial Spares (Components)	- / -	- / -	- / -	- / 3.200	- / -	- / 3.200	- / -	- / -	- / -	- / -	- / -	- / 3.200
Subtotal: Recurring	25 / 84.334	10 / 32.742	13 / 43.489	16 / 55.307	- / -	16 / 55.307	12 / 39.164	12 / 39.937	12 / 40.688	12 / 41.492	Continuing	Continuing
Subtotal: SKR TF/TA	25 / 85.414	10 / 33.968	13 / 44.089	16 / 56.207	- / -	16 / 56.207	12 / 41.033	12 / 41.844	12 / 42.671	12 / 43.514	Continuing	Continuing
Subtotal: Procurement, All Modification Items	25 / 85.414	10 / 33.968	13 / 44.089	16 / 56.207	- / -	16 / 56.207	12 / 41.033	12 / 41.844	12 / 42.671	12 / 43.514	Continuing	Continuing

Support (All Modification Items)												
Engineering Change Proposals (ECPs)/Intra Contract Support	- / 6.457	- / 3.134	- / -	- / 1.500	- / -	- / 1.500	- / -	- / -	- / -	- / -	- / -	- / 11.091
Other	- / 1.248	- / 0.171	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.419
Subtotal: Support	- / 7.705	- / 3.305	- / -	- / 1.500	- / -	- / 1.500	- / -	- / -	- / -	- / -	- / -	- / 12.510

Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Total												
Total Cost (Procurement + Support + Installation)	93.119	37.273	44.089	57.707	-	57.707	41.033	41.844	42.671	43.514	Continuing	Continuing

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 11 / Silent Knight TF/TA Radar	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 1: SKR TF/TA							
Manufacturer Information							
Manufacturer Name: Raytheon				Manufacturer Location: Forest, MS			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 14			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Jan 2017	Jun 2018	Jan 2019	Jan 2020	Jan 2021	Jan 2022	Jan 2023
Delivery Dates	Mar 2018	Aug 2019	Mar 2020	Mar 2021	Mar 2022	Mar 2023	Mar 2024
Installation Information							
Method of Implementation (Organic): Contractor					Installation Quantity: 141		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT	Modification Number / Title: 12 / Mission Processor Upgrades (MPU)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	58.199	39.830	21.658	16.657	-	16.657	20.185	14.865	14.598	14.985	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	58.199	39.830	21.658	16.657	-	16.657	20.185	14.865	14.598	14.985	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	58.199	39.830	21.658	16.657	-	16.657	20.185	14.865	14.598	14.985	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	0.176	-	0.600	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Mission Processor Upgrades (MPU) program provides for the technology refreshment/upgrade of the current mission and video processors for all Army Special Operations Aviation (ARSOA) Multi-Function Displays (MFD) and Control Display Units (CDU) as well as display modernization. Upgrading all internal processors increases the processing power to support critical functionality and emerging technologies that will be integrated into the Common Avionics Architecture System (CAAS). This mission processor upgrade provides the processing and memory resources required to incorporate the following functions into the General Purpose Processing Unit (GPPU): Global Air Traffic Management (GATM), replaces ground-based navigation aids with an international requirement that all aircraft be compliant with digital and space-based navigation systems; Automatic Dependent Surveillance-Broadcast (ADS-B) equipment allows Global Positioning System equipped aircraft to transmit their location and altitude to other aircraft and air traffic control. This capability has become more and more critical as the Federal Aviation Agency begins shutting down many of their existing surveillance radars. Airborne Mission Network (AbMN) will install ground force compatible radios to digitally exchange tactical information among participating forces culminating in an accurate, composite, and correlated picture of the entire battlespace. It provides critical, real-time battlefield data to ground forces and aircrew while en route to the objective. AbMN provides ARSOA airborne platforms and onboard supported forces digital connectivity with ground elements and other airborne assets, to include a Common Operational Picture of hostile and friendly forces.

Development Status/Major Development Milestones

Date	Title	Description
Feb 2011	Mission Processor System Integration/Testing	
Sep 2016	AbMN LRIP	
Nov 2017	GPPU LRIP and Production	

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT	Modification Number / Title: 12 / Mission Processor Upgrades (MPU)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Models of Systems Affected: MH-47G/MH-60M/MH-6	Modification Type: Added Capability	Related RDT&E PEs: 1160403BB
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Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
RDT&E PE #												
1160403BB	- / 0.092	- / -	- / 5.087	- / 0.362	- / -	- / 0.362	- / 0.607	- / 0.591	- / 1.528	- / 1.559	- / -	- / 9.826

Procurement

Modification Item 1 of 5: MPU													
B Kits													
Recurring													
A/MH-6 B Kits	51 / 0.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
MH-60 B Kits	31 / 8.600	81 / 4.716	- / -	- / 2.509	- / -	- / 2.509	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
CDU Retrofits	- / 2.053	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
MH-47G B Kits	113 / 9.075	80 / 4.716	- / -	- / 2.332	- / -	- / 2.332	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Subtotal: Recurring	195 / 20.428	161 / 9.432	- / -	- / 4.841	- / -	- / 4.841	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Non-Recurring													
Mission Processor Non-Recurring Engineering	- / 2.711	- / 1.710	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Initial Spares	- / 0.002	- / 1.911	- / -	- / 1.353	- / -	- / 1.353	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Subtotal: Non-Recurring	- / 2.713	- / 3.621	- / -	- / 1.353	- / -	- / 1.353	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Subtotal: MPU	- / 23.141	- / 13.053	- / -	- / 6.194	- / -	- / 6.194	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Modification Item 2 of 5: ADS-B													
B Kits													
Recurring													
ADS-B Kits	- / -	- / -	206 / 2.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Subtotal: Recurring	- / -	- / -	206 / 2.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Subtotal: ADS-B	- / -	- / -	206 / 2.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Modification Item 3 of 5: CAAS Block Upgrades													
B Kits													
Recurring													
GATM Software	- / 8.625	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Prior Years (CDAS Software)	- / 1.645	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
CAAS Software	- / 6.534	- / 11.996	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Subtotal: Recurring	- / 16.804	- / 11.996	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Non-Recurring													
CAAS Block Upgrade Non-Recurring Engineering	- / 3.296	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command										Date: February 2018			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT						Modification Number / Title: 12 / Mission Processor Upgrades (MPU)			
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: MH-47G/MH-60M/MH-6				Modification Type: Added Capability				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
<i>Subtotal: Non-Recurring</i>	- / 3.296	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
<i>Subtotal: CAAS Block Upgrades</i>	- / 20.100	- / 11.996	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Modification Item 4 of 5: GPPU													
B Kits													
Recurring													
MH-47G B Kits	- / -	- / -	19 / 3.365	- / -	- / -	- / -	- / 2.928	- / 2.131	- / 1.987	- / 1.098	Continuing	Continuing	
MH-60M B Kits	- / -	- / -	20 / 3.540	- / -	- / -	- / -	- / 2.928	- / 2.248	- / 2.104	- / 2.196	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / -	- / -	39 / 6.905	- / -	- / -	- / -	- / 5.856	- / 4.379	- / 4.091	- / 3.294	Continuing	Continuing	
Non-Recurring													
GPPU Non-Recurring Engineering	- / 7.900	- / -	- / 0.688	- / 0.690	- / -	- / 0.690	- / -	- / -	- / -	- / -	Continuing	Continuing	
Spares	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.936	- / 0.738	- / 0.786	- / 0.940	Continuing	Continuing	
<i>Subtotal: Non-Recurring</i>	- / 7.900	- / -	- / 0.688	- / 0.690	- / -	- / 0.690	- / 0.936	- / 0.738	- / 0.786	- / 0.940	Continuing	Continuing	
<i>Subtotal: GPPU</i>	- / 7.900	- / -	39 / 7.593	- / 0.690	- / -	- / 0.690	- / 6.792	- / 5.117	- / 4.877	- / 4.234	Continuing	Continuing	
Modification Item 5 of 5: AbMN													
A Kits													
Recurring													
A Kits	- / 1.732	- / 5.160	8 / 0.360	13 / 3.105	- / -	13 / 3.105	- / 3.585	- / 4.065	- / 4.015	- / 4.095	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / 1.732	- / 5.160	8 / 0.360	13 / 3.105	- / -	13 / 3.105	- / 3.585	- / 4.065	- / 4.015	- / 4.095	Continuing	Continuing	
B Kits													
Recurring													
B Kits Parts	- / 1.519	- / 1.103	30 / 3.153	30 / 0.990	- / -	30 / 0.990	- / 1.207	- / 1.229	- / 1.255	- / 1.262	Continuing	Continuing	
End User Devices	- / -	- / 0.547	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Multi-Band Networking Radios	- / -	- / 0.456	- / 2.400	- / 3.300	- / -	- / 3.300	- / 3.366	- / 3.433	- / 3.500	- / 3.567	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / 1.519	- / 2.106	30 / 5.553	30 / 4.290	- / -	30 / 4.290	- / 4.573	- / 4.662	- / 4.755	- / 4.829	Continuing	Continuing	
Non-Recurring													
Software Integration	- / 2.150	- / 1.380	- / 1.205	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Spares	- / -	- / -	- / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Non-Recurring Engineering	- / 0.064	- / 4.500	- / 3.301	- / 1.409	- / -	- / 1.409	- / 0.811	- / 0.691	- / 0.615	- / 0.734	Continuing	Continuing	
<i>Subtotal: Non-Recurring</i>	- / 2.214	- / 5.880	- / 5.106	- / 1.409	- / -	- / 1.409	- / 0.811	- / 0.691	- / 0.615	- / 0.734	Continuing	Continuing	
<i>Subtotal: AbMN</i>	- / 5.465	- / 13.146	- / 11.019	- / 8.804	- / -	- / 8.804	- / 8.969	- / 9.418	- / 9.385	- / 9.658	Continuing	Continuing	
<i>Subtotal: Procurement, All Modification Items</i>	- / 56.606	- / 38.195	- / 20.672	- / 15.688	- / -	- / 15.688	- / 15.761	- / 14.535	- / 14.262	- / 13.892	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT	Modification Number / Title: 12 / Mission Processor Upgrades (MPU)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Models of Systems Affected: MH-47G/MH-60M/MH-6	Modification Type: Added Capability	Related RDT&E PEs: 1160403BB
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Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Support (All Modification Items)													
ADS-B System Integration/Testing	- / -	- / -	- / 0.986	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
MPU Integration Assets/Support	- / 0.339	- / 1.155	- / -	- / 0.446	- / -	- / 0.446	- / 0.160	- / -	- / -	- / -	- / -	Continuing	Continuing
AbMN Integration Assets/Support	- / 1.254	- / 0.480	- / -	- / 0.523	- / -	- / 0.523	- / 0.430	- / 0.330	- / 0.336	- / 0.342	- / -	Continuing	Continuing
DCU Modification Integration/Testing	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.334	- / -	- / -	- / -	- / -	Continuing	Continuing
DTC Modification Integration/Testing	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.500	- / -	- / -	- / 0.751	- / -	Continuing	Continuing
<i>Subtotal: Support</i>	<i>- / 1.593</i>	<i>- / 1.635</i>	<i>- / 0.986</i>	<i>- / 0.969</i>	<i>- / -</i>	<i>- / 0.969</i>	<i>- / 4.424</i>	<i>- / 0.330</i>	<i>- / 0.336</i>	<i>- / 1.093</i>	<i>Continuing</i>	<i>Continuing</i>	
Installation													
<i>Subtotal: Installation</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>
Total													
Total Cost (Procurement + Support + Installation)	58.199	39.830	21.658	16.657	-	16.657	20.185	14.865	14.598	14.985	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 12 / Mission Processor Upgrades (MPU)	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 5: MPU							
Manufacturer Information							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 14			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Sep 2017		Sep 2019				
Delivery Dates	Nov 2018		Nov 2020				
Installation Information							
Method of Implementation (Organic): Depot Installation					Installation Quantity: 192		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 12 / Mission Processor Upgrades (MPU)	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 2 of 5: ADS-B							
Manufacturer Information							
Manufacturer Name: Rockwell Collins				Manufacturer Location: Cedar Rapids, IA			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 9			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates		Sep 2018					
Delivery Dates		Jun 2019					
Installation Information							
Method of Implementation (Organic): Depot Installation					Installation Quantity: 192		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 12 / Mission Processor Upgrades (MPU)	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 3 of 5: CAAS Block Upgrades							
Manufacturer Information							
Manufacturer Name: Rockwell Collins				Manufacturer Location: Cedar Rapids, IA			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 12			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Sep 2017						
Delivery Dates	Sep 2018						
Installation Information							
Method of Implementation (Organic): Depot Installation					Installation Quantity: 141		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 12 / Mission Processor Upgrades (MPU)	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 4 of 5: GPPU							
Manufacturer Information							
Manufacturer Name: Rockwell Collins				Manufacturer Location: Cedar Rapids, IA			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 12			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates		Jun 2018	Mar 2019	Mar 2020	Mar 2021	Mar 2022	Mar 2023
Delivery Dates		Jun 2019	Jun 2020	Jun 2021	Jun 2022	Jun 2023	Jun 2024
Installation Information							
Method of Implementation (Organic): Depot Installation					Installation Quantity: 141		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 12 / Mission Processor Upgrades (MPU)	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 5 of 5: AbMN							
Manufacturer Information							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 12			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Jun 2017	Jun 2018	Jun 2019	Jun 2020	Jun 2021	Jun 2022	Jun 2023
Delivery Dates	Jun 2018	Jun 2019	Jun 2020	Jun 2021	Jun 2022	Jun 2023	Jun 2024
Installation Information							
Method of Implementation (Organic): Depot Installation/Contractor					Installation Quantity: 141		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT	Modification Number / Title: 13 / Aircraft Survivability Equipment

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	480.105	30.125	21.829	14.103	-	14.103	13.777	14.731	16.192	16.516	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	480.105	30.125	21.829	14.103	-	14.103	13.777	14.731	16.192	16.516	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	480.105	30.125	21.829	14.103	-	14.103	13.777	14.731	16.192	16.516	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	0.063	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Special Operations Forces (SOF) provide organic aviation support for world-wide contingency operations and low-intensity conflicts. The specialized aircraft for these missions must be capable of world-wide rapid deployment, undetected penetration of hostile areas, and operations in contested or anti-access/area denial (A2/AD) environments. The Aircraft Survivability Equipment (ASE) program procures and fields critical active and passive SOF-unique aircraft survivability equipment to counter rapidly evolving Surface-to-Air (SA) and Air-to-Air (AA) threat systems for the A/MH-6, MH-60, and MH-47. These SA threat systems are evolving at an unprecedented rate, requiring rapid procurement of mission equipment that will reduce the probability of engagement, increase the probability of detecting and countering threat systems, and improve the aircraft's ability to continue operating after sustained battle damage. This program includes fielding of new systems and pre-planned product improvements (P3I)/upgrades of fielded aircraft survivability equipment, addresses obsolescence issues through production-based engineering change proposals, and provides technical data and fielding support and testing. P3I upgrades may include expansion of frequency ranges on existing systems, modernization of legacy components, and potential "collaborative off-boarding/on-boarding" detect/countermeasures capabilities to provide expanded coverage for aircrews in a high threat environment.

The Infrared Countermeasures (IRCM) program provides a new mission-configurable Missile Warning System, IRCM capability and exhaust suppressor at a weight suitable for the A/MH-6 Mission Enhanced Little Bird with potential use on the MH-60 and MH-47 aircraft. Army Special Operations Aviation (ARSOA) requires the addition of IRCM to protect against increasingly proliferated and sophisticated Man-Portable Air-Defense Weapons.

The Suite of Integrated Radio Frequency Countermeasures (SIRFC) is the next generation of Radio Frequency (RF) detection and countermeasures for ARSOA MH-47 and MH-60 aircraft. SIRFC passively detects and actively counters radar-guided missile systems. SIRFC is a critical component of deep, clandestine penetration capabilities, as the state-of-the-art Radar Warning Receiver (RWR) provides enhanced situational awareness and the advanced radar-jamming components provide the defensive capabilities required to defeat RF threats. Jammers consist of both Line Replaceable Unit (LRU)-2, High Power Remote Transmitter, and LRU-3 Electronic countermeasures. Digital RF Memory, Fast Acquisition Receiver, and pre-planned product improvements provide state-of-the-art capability against advanced RF threats. Direction Finding/Intermediate Frequency & Swept Receiver upgrades ensure Silent Knight Radar compatibility. This P-3A reflects updated negotiated prices, new contract terms allowing individual LRU purchases, and Economic Order Quantity procurements.

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command											Date: February 2018		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT							Modification Number / Title: 13 / Aircraft Survivability Equipment		
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: MH-47/MH-60/CV-22				Modification Type: Survivability				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
1160403BB	- / 7.526	- / 5.015	- / 20.666	- / 6.569	- / -	- / 6.569	- / 6.949	- / 3.256	- / 1.608	- / 1.617	- / -	- / 53.206	
Procurement													
Modification Item 1 of 2: ASE IRCM													
A Kits													
Recurring													
A/MH-6 A Kits 2.2 (Missile Warning and Countermeasures)	- / -	6 / 0.729	3 / 0.310	7 / 1.000	- / -	7 / 1.000	7 / 1.050	7 / 1.050	7 / 1.050	7 / 1.050	Continuing	Continuing	
A/MH-6 A Kits (Exhaust Suppressor)	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.175	8 / 0.204	13 / 0.345	12 / 0.308	Continuing	Continuing	
Subtotal: Recurring	- / -	6 / 0.729	3 / 0.310	7 / 1.000	- / -	7 / 1.000	14 / 1.225	15 / 1.254	20 / 1.395	19 / 1.358	Continuing	Continuing	
B Kits													
Recurring													
B Kits (Missile Warning Countermeasures)	2 / 3.260	3 / 4.915	3 / 5.000	1 / 1.649	- / -	1 / 1.649	4 / 4.370	5 / 5.439	- / -	- / -	Continuing	Continuing	
B Kits (Exhaust Suppressor)	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.750	8 / 2.081	13 / 3.449	12 / 3.247	Continuing	Continuing	
Subtotal: Recurring	2 / 3.260	3 / 4.915	3 / 5.000	1 / 1.649	- / -	1 / 1.649	11 / 6.120	13 / 7.520	13 / 3.449	12 / 3.247	Continuing	Continuing	
Non-Recurring													
Initial Spares (Missile Warning and Countermeasures)	- / -	- / 0.063	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Non-Recurring	- / -	- / 0.063	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: ASE IRCM	- / 3.260	- / 5.707	- / 5.310	- / 2.649	- / -	- / 2.649	- / 7.345	- / 8.774	- / 4.844	- / 4.605	Continuing	Continuing	
Modification Item 2 of 2: ASE SIRFC													
B Kits													
Recurring													
Prior Years	606 / 280.271	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Recurring	606 / 280.271	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Non-Recurring													
LRU-1 Upgrades (Block 1 (DRWR/DJAM))	- / 31.128	- / 15.061	- / 4.608	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
LRU-1 Upgrades (Block 2 (Obsolesense/DMS ECP))	- / -	- / -	- / -	- / 5.792	- / -	- / 5.792	- / 3.630	- / 3.639	- / 6.648	- / 7.111	Continuing	Continuing	
LRU-2C B-Kit Upgrades	- / -	- / 4.773	- / 7.416	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Non-Recurring	- / 31.128	- / 19.834	- / 12.024	- / 5.792	- / -	- / 5.792	- / 3.630	- / 3.639	- / 6.648	- / 7.111	Continuing	Continuing	
Subtotal: ASE SIRFC	- / 311.399	- / 19.834	- / 12.024	- / 5.792	- / -	- / 5.792	- / 3.630	- / 3.639	- / 6.648	- / 7.111	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 314.659	- / 25.541	- / 17.334	- / 8.441	- / -	- / 8.441	- / 10.975	- / 12.413	- / 11.492	- / 11.716	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command										Date: February 2018			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT						Modification Number / Title: 13 / Aircraft Survivability Equipment			
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: MH-47/MH-60/CV-22				Modification Type: Survivability				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Support (All Modification Items)													
IRCM - Integration Support	- / -	- / 0.255	- / 0.232	- / 0.239	- / -	- / 0.239	- / 1.402	- / 1.100	- / 1.100	- / 1.100	Continuing	Continuing	
IRCM - Integrated Logistical Support (Missile Warning and Countermeasures)	- / -	- / -	- / 1.506	- / 0.633	- / -	- / 0.633	- / 0.900	- / 0.718	- / 1.100	- / 1.200	Continuing	Continuing	
SIRFC - Qualification Flight Test Support (LRU-1 (Block 2))	- / 13.278	- / 0.706	- / 1.449	- / 4.367	- / -	- / 4.367	- / -	- / -	- / 2.000	- / 2.000	Continuing	Continuing	
SIRFC - Obsolescence/Engineering Change Proposals	- / 15.739	- / 1.300	- / 1.096	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
SIRFC - Fielding Support	- / 14.477	- / 2.323	- / 0.212	- / 0.423	- / -	- / 0.423	- / 0.500	- / 0.500	- / 0.500	- / 0.500	Continuing	Continuing	
SIRFC - Prior Year Funding	- / 121.952	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
<i>Subtotal: Support</i>	<i>- / 165.446</i>	<i>- / 4.584</i>	<i>- / 4.495</i>	<i>- / 5.662</i>	<i>- / -</i>	<i>- / 5.662</i>	<i>- / 2.802</i>	<i>- / 2.318</i>	<i>- / 4.700</i>	<i>- / 4.800</i>	<i>Continuing</i>	<i>Continuing</i>	
Installation													
<i>Subtotal: Installation</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	
Total													
Total Cost (Procurement + Support + Installation)	480.105	30.125	21.829	14.103	-	14.103	13.777	14.731	16.192	16.516	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 13 / Aircraft Survivability Equipment	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 2: ASE IRCM							
Manufacturer Information							
Manufacturer Name: Leonardo DRS/Daylight Solutions				Manufacturer Location: CA/FL			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 11			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Sep 2017	Mar 2018	Jan 2019	Jan 2020	Jan 2021	Jan 2022	Jan 2023
Delivery Dates	Aug 2018	Feb 2019	Dec 2020	Dec 2021	Dec 2022	Dec 2023	Dec 2024
Installation Information							
Method of Implementation (Organic): Contractor					Installation Quantity: 51		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 13 / Aircraft Survivability Equipment	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 2 of 2: ASE SIRFC							
Manufacturer Information							
Manufacturer Name: Harris				Manufacturer Location: Melbourne, FL			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 15			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Jul 2017	Jul 2018	Jul 2019	Jul 2020	Jul 2021	Jul 2022	Jul 2023
Delivery Dates	Oct 2018	Oct 2019	Oct 2020	Oct 2021	Oct 2022	Oct 2023	Oct 2024
Installation Information							
Method of Implementation (Organic): Various					Installation Quantity: 624		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT	Modification Number / Title: 14 / MH-60 Block Upgrades

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	7.481	8.909	6.527	8.127	-	8.127	8.369	9.490	8.195	8.359	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	7.481	8.909	6.527	8.127	-	8.127	8.369	9.490	8.195	8.359	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	7.481	8.909	6.527	8.127	-	8.127	8.369	9.490	8.195	8.359	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The MH-60M Block Upgrades program funds increased capabilities, addresses obsolescence issues, and incorporates new and maturing emerging technologies into the MH-60M aircraft. This project also includes modifications to Aircraft Survivability Equipment (ASE) and weapons systems to counter rapidly emerging threats, improve lethality and enhance aircraft survivability.

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command											Date: February 2018		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT						Modification Number / Title: 14 / MH-60 Block Upgrades			
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: MH-60				Modification Type: Added Capability				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
1160403BB	- / 19.523	- / 11.191	- / 10.721	- / 5.305	- / -	- / 5.305	- / 8.947	- / 8.493	- / 4.074	- / 4.155	- / -	- / 72.409	
Procurement													
Modification Item 1 of 1: MH-60 Block Upgrades													
A Kits													
Recurring													
A Kits	26 / 1.429	8 / 1.429	1 / 0.288	7 / 1.498	- / -	7 / 1.498	- / -	- / -	- / -	- / -	Continuing	Continuing	
Systems Engineering	- / 0.700	- / 0.909	- / 0.804	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Program Support	- / 0.089	- / 1.000	- / 0.411	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Recurring	26 / 2.218	8 / 3.338	1 / 1.503	7 / 1.498	- / -	7 / 1.498	- / -	- / -	- / -	- / -	Continuing	Continuing	
B Kits													
Recurring													
Install Kits	2 / 1.907	12 / 2.999	10 / 4.562	9 / 3.807	- / -	9 / 3.807	- / 8.369	- / 9.490	- / 8.195	- / 8.359	Continuing	Continuing	
Production Engineering	- / 0.843	- / -	- / -	- / 0.829	- / -	- / 0.829	- / -	- / -	- / -	- / -	Continuing	Continuing	
Integrated Logistics Support	- / 2.513	- / 2.572	- / 0.462	- / 1.993	- / -	- / 1.993	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Recurring	2 / 5.263	12 / 5.571	10 / 5.024	9 / 6.629	- / -	9 / 6.629	- / 8.369	- / 9.490	- / 8.195	- / 8.359	Continuing	Continuing	
Subtotal: MH-60 Block Upgrades	- / 7.481	- / 8.909	- / 6.527	- / 8.127	- / -	- / 8.127	- / 8.369	- / 9.490	- / 8.195	- / 8.359	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 7.481	- / 8.909	- / 6.527	- / 8.127	- / -	- / 8.127	- / 8.369	- / 9.490	- / 8.195	- / 8.359	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	7.481	8.909	6.527	8.127	-	8.127	8.369	9.490	8.195	8.359	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 14 / MH-60 Block Upgrades	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 1: MH-60 Block Upgrades							
Manufacturer Information							
Manufacturer Name: Bluegrass Army Depot				Manufacturer Location: Lexington, KY			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 6			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Jan 2017	Jan 2018	Jan 2019	Jan 2020	Jan 2021	Jan 2022	Jan 2023
Delivery Dates	Jul 2017	Jul 2018	Jul 2019	Jul 2020	Jul 2021	Jul 2022	Jul 2023
Installation Information							
Method of Implementation (Organic): Contractor					Installation Quantity: 72		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT	Modification Number / Title: 15 / A/MH-6 Block Upgrades

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	11.398	30.943	-	30.943	27.404	27.903	28.412	28.931	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	11.398	30.943	-	30.943	27.404	27.903	28.412	28.931	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	11.398	30.943	-	30.943	27.404	27.903	28.412	28.931	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	5.736	10.471	-	10.471	9.154	9.337	9.524	9.714	Continuing	Continuing
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

A/MH-6M Block Upgrades consist of modifications that will restore structural, performance, and safety margins for aircrews while providing an acceptable level of situational awareness in the cockpit and accommodations for rapid integration of future capabilities. The Block 3.0 upgrade includes two distinct efforts: the airframe upgrade and the avionics upgrade. The airframe upgrade incorporates the new rotor blades/flight control kits and new integrated airframe shells. This multi-phase procurement strategy supports vendor production lead time and aircraft build up time at the Special Operations Forces Support Activity (SOFSA). This project also includes modifications to aircraft survivability equipment (ASE) and weapons systems to counter rapidly emerging threats, improve lethality and enhance aircraft survivability.

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command											Date: February 2018		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT							Modification Number / Title: 15 / A/MH-6 Block Upgrades		
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: A/MH-6				Modification Type: Added Capability				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
1160403BB	- / 68.437	- / 13.420	- / 13.864	- / 3.120	- / -	- / 3.120	- / -	- / -	- / -	- / -	- / -	- / -	
Procurement													
<i>Modification Item 1 of 1: A/MH-6M Block Upgrades</i>													
B Kits													
Recurring													
Avionics Kits	- / -	- / -	4 / 1.610	16 / 6.560	- / -	16 / 6.560	7 / 2.921	7 / 2.974	7 / 3.028	7 / 3.082	Continuing	Continuing	
Airframe Kits (Rotor Blades and Flight Controls)	- / -	- / -	4 / 2.961	16 / 12.054	- / -	16 / 12.054	7 / 5.369	7 / 5.465	7 / 5.564	7 / 5.664	Continuing	Continuing	
Integrated Airframe Shells	- / -	- / -	7 / 5.174	7 / 5.267	- / -	7 / 5.267	7 / 5.361	7 / 5.458	7 / 5.556	7 / 5.656	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / -	- / -	15 / 9.745	39 / 23.881	- / -	39 / 23.881	21 / 13.651	21 / 13.897	21 / 14.148	21 / 14.402	Continuing	Continuing	
<i>Subtotal: A/MH-6M Block Upgrades</i>	- / -	- / -	- / 9.745	- / 23.881	- / -	- / 23.881	- / 13.651	- / 13.897	- / 14.148	- / 14.402	Continuing	Continuing	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 9.745	- / 23.881	- / -	- / 23.881	- / 13.651	- / 13.897	- / 14.148	- / 14.402	Continuing	Continuing	
Support (All Modification Items)													
Integration Support	- / -	- / -	- / 0.238	- / 0.659	- / -	- / 0.659	- / 0.590	- / 0.607	- / 0.624	- / 0.643	Continuing	Continuing	
Publications	- / -	- / -	- / 1.415	- / 2.709	- / -	- / 2.709	- / -	- / -	- / -	- / -	- / -	- / 14.124	
<i>Subtotal: Support</i>	- / -	- / -	- / 1.653	- / 3.368	- / -	- / 3.368	- / 0.590	- / 0.607	- / 0.624	- / 0.643	Continuing	Continuing	
Installation													
<i>Modification Item 1 of 1: A/MH-6M Block Upgrades</i>	- / -	- / -	- / -	2 / 3.694	- / -	2 / 3.694	7 / 13.163	7 / 13.399	7 / 13.640	7 / 13.886	21 / 291.606	51 / 349.388	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	2 / 3.694	- / -	2 / 3.694	7 / 13.163	7 / 13.399	7 / 13.640	7 / 13.886	21 / 291.606	51 / 349.388	
Total													
Total Cost (Procurement + Support + Installation)	-	-	11.398	30.943	-	30.943	27.404	27.903	28.412	28.931	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT	Modification Number / Title: 15 / A/MH-6 Block Upgrades

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 1 of 1: A/MH-6M Block Upgrades

Manufacturer Information

Manufacturer Name: SOFSA	Manufacturer Location: Lexington, KY
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 12

Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates		Apr 2018	Apr 2019	Apr 2020	Apr 2021	Apr 2022	Apr 2023
Delivery Dates		Apr 2019	Apr 2020	Apr 2021	Apr 2022	Apr 2023	Apr 2024

Installation Information

Method of Implementation: Contract?

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	2 / 3.694	- / -	2 / 3.694	7 / 13.163	7 / 13.399	7 / 13.640	7 / 13.886	21 / 291.606	51 / 349.388
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 3.694	- / -	2 / 3.694	7 / 13.163	7 / 13.399	7 / 13.640	7 / 13.886	21 / 291.606	51 / 349.388

Installation Schedule

	PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	7	-	-	-	7	-	-	-	7	-	-	-	7	-	21	51
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	7	-	-	-	7	-	-	-	7	-	28	51

Method of Implementation (Organic): TBD	Installation Quantity: 51
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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0201UMNISR / UNMANNED ISR
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1105232BB
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	97.750	52.228	57.708	17.000	74.708	7.099	11.896	11.171	11.395	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	97.750	52.228	57.708	17.000	74.708	7.099	11.896	11.171	11.395	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	97.750	52.228	57.708	17.000	74.708	7.099	11.896	11.171	11.395	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	0.071	-	-	-	-	-	-	-	-	0.071
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This P-1 Line Item is part of the Military Intelligence Program. USSOCOM has been designated as the DOD lead for planning, synchronizing, and as directed, executing global operations against terrorist networks and targets. USSOCOM requires the capability to find, fix, and finish time-sensitive high-value fixed and fleeting targets at the unit and team level without placing personnel and units in harm's way. These targets can often only be identified with patient collection of information and require rapid, decisive action during the short periods in which they present themselves. This line item addresses the primary areas of Intelligence, Surveillance, Reconnaissance (ISR), and Targeting capabilities for Special Operations Forces (SOF). This program received Overseas Contingency Operations (OCO) funding in FY 2017.

This line item procures various expendable Unmanned Aerial Systems (UAS) and related sensor payloads for intelligence, surveillance, and reconnaissance, which allows for remotely controlled system emplacement and data exfiltration. It also funds the acquisition and support of SOF-unique mission kits, mission payloads, weaponization, and modifications of UAVs, ground control stations, and training systems. As the combatant command executing operations, USSOCOM requires the capability to find, fix, finish, exploit, and analyze time-sensitive high-value targets.

Standardization of payload interfaces for SOF Group 1-4 UASs will reduce the time and cost to develop, field, and sustain SOF Group 1-4 UAV future payload enhancements. Will also allow user in field to hot swap payloads on same platform and reduce time between sorties.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA
1: Aviation Programs

P-1 Line Item Number / Title:
0201UMNISR / UNMANNED ISR

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 1105232BB

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Unmanned Aerial Systems (UAS)				- / -	- / 97.750	- / 52.228	- / 57.708	- / 17.000	- / 74.708
P-40	Total Gross/Weapon System Cost				- / -	- / 97.750	- / 52.228	- / 57.708	- / 17.000	- / 74.708

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

- Expeditionary Organic Tactical AISR Capability Set (EOTACS). EOTACS are a family of organic tactical UAS systems, consisting of Group 1 and 2. This program procures SOF-unique mission kits, mission payloads, air vehicle enhancements, and modifications on UAS and related ground control stations.

FY 2019 PROGRAM JUSTIFICATION: Procures 4 Stalker UAS, 6 Group 2 Long Range / Long Endurance (LR / LE), 6 Group 1 Medium Range / Medium Endurance (MR / ME), 225 Group 1 Vertical Takeoff & Landing (VTOL) Short Range / Short Endurance (SR / SE), 160 Group 1 Micro VTOL, 527 Group 1 Nano VTOL, 56 Unmanned Tethered Aerial Systems (UTAS), and 9 Electronic Warfare (EW) / Signals Intelligence (SIGINT) payloads.
- Group 1 UAS (Small Unmanned Aerial System). Group 1 UAS are small systems, less than 20 pounds in weight. This program procures SOF-unique mission kits, mission payloads, air vehicle enhancements, and modifications on UAS and related ground control stations.

FY 2019 PROGRAM JUSTIFICATION: Procures 50 Quadcopters, associated ancillary equipment, and payloads.
- Multi-mission Tactical Unmanned Aerial System (MTUAS). MTUAS are medium systems, between 21 pounds and 55 pounds in weight. This program procures Unmanned Aerial Systems, SOF-unique mission kits, mission payloads, air vehicle enhancements, and Ground Control Stations (GCS). Ancillary equipment includes base-lined versions of payloads, recovery systems, launchers and GCS modifications. MTUAS provides SOF with an organic ISR capability. Digital system upgrades will comply with DoD mandates for encrypted C-2 and mode-m GPS.

FY 2019 PROGRAM JUSTIFICATION: Procures ancillary equipment.
- Group 3 UAS. Group 3 UAS are systems, between 55 pounds and 1320 pounds in weight. This program procures SOF-unique mission kits and mission payloads. Group 3 UAS provide longer flight duration and payload capacity.

FY 2019 OCO PROGRAM JUSTIFICATION: Procures six SOF Peculiar Advanced Payloads for STUAS that fill critical tactical ISR gaps in austere locations
- Group 4 UAS (previously justified as MQ-1). Group 4 UAS are large systems, greater than 1,320 pounds in weight flying less than 18,000 feet above sea level. The MQ-1 Unmanned Aerial Vehicle (UAV) funds the acquisition and support of SOF-unique mission kits, mission payloads, weaponization, and modifications on MQ-1 UAVs, ground control stations, and training systems as part of the Medium Altitude Long Endurance Tactical Program.

FY 2019 PROGRAM JUSTIFICATION: Procures SOF-unique mission kits, payloads, weaponization, modifications and production support.

FY 2019 OCO PROGRAM JUSTIFICATION: Procures 16 A and B-kits for Small Glide Munitions (SGM), Beyond Line of Sight Wiring Harness for MQ-1C/ER, Vortex Integration for MQ-1C/ER and Persistent Close Air Support integration on MQ-1C/ER.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		P-1 Line Item Number / Title: 0201UMNISR / UNMANNED ISR
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1105232BB
Line Item MDAP/MAIS Code: N/A		

6. Special Applications for Contingencies. Procures various UAS platforms and expendable and related sensor payloads for intelligence, surveillance, and reconnaissance. Platforms will be used to develop/test payload systems that will increase UAS flight range and provide the user real-time access to analyzed target and battlefield data for SOF Group 1-4 UAS.

FY 2019 PROGRAM JUSTIFICATION: Procures two RQ-20 Puma UAS.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 **P-1 Line Item Number / Title:** 0201UMNISR / UNMANNED ISR **Aggregated Items Title:** Unmanned Aerial Systems (UAS)

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - Expeditionary Organic Tactical AISR Capability Set (EOTACS)																				
1.1 / Stalker UAS			-	-	-	1.375	4	5.500	-	-	-	1.471	4	5.883	-	-	-	1.471	4	5.883
1.2 / Group 2 Long Range/Long Endurance (LR/LE)			-	-	-	-	-	-	-	-	-	1.100	6	6.600	-	-	-	1.100	6	6.600
1.3 / Group 1 Medium Range/Medium Endurance (MR/ME)			-	-	-	-	-	-	-	-	-	0.260	6	1.560	-	-	-	0.260	6	1.560
1.4 / Group 1 Vertical Takeoff & Landing (VTOL) Short Range/Short Endurance (SR/SE)			-	-	-	-	-	-	-	-	-	0.065	225	14.620	-	-	-	0.065	225	14.620
1.5 / Group 1 Micro VTOL			-	-	-	-	-	-	-	-	-	0.017	160	2.720	-	-	-	0.017	160	2.720
1.6 / Group Nano VTOL			-	-	-	-	-	-	-	-	-	0.020	527	10.540	-	-	-	0.020	527	10.540
1.7 / Unmanned Tethered Aerial System (UTAS)			-	-	-	-	-	-	-	-	-	0.120	56	6.720	-	-	-	0.120	56	6.720
1.8 / Electronic Warfare/Signals Intelligence Payloads			-	-	-	-	-	-	-	-	-	0.082	9	0.740	-	-	-	0.082	9	0.740
Subtotal: 1 - Expeditionary Organic Tactical AISR Capability Set (EOTACS)			-	-	-	-	-	5.500	-	-	-	-	-	49.383	-	-	-	-	-	49.383
2 - Group 1 UAS																				
2.1 / Puma Air System			-	-	-	-	-	-	0.450	4	1.800	-	-	-	-	-	-	-	-	-
2.2 / Puma Air System Overseas Contingency Operations (OCO)			-	-	-	0.450	43	19.350	-	-	-	-	-	-	-	-	-	-	-	-
2.3 / Quadcopter			-	-	-	-	-	-	-	-	-	0.020	50	1.000	-	-	-	0.020	50	1.000
2.4 / Ancillary Equipment			-	-	-	-	-	-	-	-	0.165	-	-	0.245	-	-	-	-	-	0.245
2.5 / Ancillary Equipment OCO			-	-	-	-	-	1.130	-	-	-	-	-	-	-	-	-	-	-	-
2.6 / Payloads			-	-	-	-	-	2.582	-	-	0.625	-	-	2.585	-	-	-	-	-	2.585
2.7 / Payloads OCO			-	-	-	-	-	15.230	-	-	7.433	-	-	-	-	-	-	-	-	-
Subtotal: 2 - Group 1 UAS			-	-	-	-	-	38.292	-	-	10.023	-	-	3.830	-	-	-	-	-	3.830
3 - Group 2 UAS																				
3.1 / Multi-Mission Tactical Unmanned Aerial			-	-	-	1.135	8	9.080	0.993	6	5.958	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 **P-1 Line Item Number / Title:** 0201UMNISR / UNMANNED ISR **Aggregated Items Title:** Unmanned Aerial Systems (UAS)

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
System (MTUAS) Components																				
3.2 / Ancillary Equipment/Payloads			-	-	-	-	-	1.883	-	-	3.286	-	-	0.942	-	-	-	-	-	0.942
3.3 / MTUAS Components OCO			-	-	-	-	-	-	13.100	2	26.200	-	-	-	-	-	-	-	-	-
3.4 / Scan Eagle UAS Digital Upgrade OCO			-	-	-	1.767	15	26.500	-	-	-	-	-	-	-	-	-	-	-	-
3.5 / UAS Payload Battle Loss OCO			-	-	-	0.150	25	3.750	-	-	5.300	-	-	-	-	-	-	-	-	-
Subtotal: 3 - Group 2 UAS			-	-	-	-	-	41.213	-	-	40.744	-	-	0.942	-	-	-	-	-	0.942
4 - Group 3 UAS																				
4.1 / Advanced Payloads OCO			-	-	-	-	-	-	-	-	-	-	-	-	0.750	6	4.500	0.750	6	4.500
Subtotal: 4 - Group 3 UAS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.500	-	-	4.500
5 - Group 4 UAS																				
5.1 / MQ-1 Special Operations Forces (SOF) Unique Mission Kits and Mission Payloads			-	-	-	-	-	6.271	-	-	-	-	-	2.030	-	-	-	-	-	2.030
5.2 / SOF Unique Mission Kits and Mission Payloads OCO			-	-	-	-	-	3.600	-	-	-	-	-	-	-	-	-	-	-	-
5.3 / A/B Kits Small Glide Munitions OCO			-	-	-	-	-	-	-	-	-	-	-	-	0.313	16	5.000	0.313	16	5.000
5.4 / Beyond Line of sight Wiring Harness MQ-1C/ER OCO			-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.000	-	-	2.000
5.5 / Vortex Integration MQ-1C/ER OCO			-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.000	-	-	5.000
5.6 / Persistent Close Air Support Integration OCO			-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.500	-	-	0.500
Subtotal: 5 - Group 4 UAS			-	-	-	-	-	9.871	-	-	-	-	-	2.030	-	-	12.500	-	-	14.530
6 - Special Applications for Contingencies (SAFC)																				
6.1 / Scan Eagle UAS			-	-	-	0.687	2	1.374	-	-	-	-	-	-	-	-	-	-	-	-
6.2 / Scan Eagle UAS - OCO			-	-	-	-	-	1.500	-	-	-	-	-	-	-	-	-	-	-	-
6.3 / Puma II UAS			-	-	-	-	-	-	-	-	-	0.762	2	1.523	-	-	-	0.762	2	1.523
6.4 / Stalker UAS			-	-	-	-	-	-	1.461	1	1.461	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 **P-1 Line Item Number / Title:** 0201UMNISR / UNMANNED ISR **Aggregated Items Title:** Unmanned Aerial Systems (UAS)

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: 6 - Special Applications for Contingencies (SAFC)</i>			-	-	-	-	-	2.874	-	-	1.461	-	-	1.523	-	-	-	-	-	1.523
Total			-	-	-	-	-	97.750	-	-	52.228	-	-	57.708	-	-	17.000	-	-	74.708

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160403BB
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Line Item MDAP/MAIS Code: 0000

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	799.077	4.905	14.492	18.731	13.000	31.731	4.949	80.049	11.744	20.950	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	799.077	4.905	14.492	18.731	13.000	31.731	4.949	80.049	11.744	20.950	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	799.077	4.905	14.492	18.731	13.000	31.731	4.949	80.049	11.744	20.950	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	96.739	-	-	-	-	-	-	-	-	-	0.000	96.739
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Non-Standard Aviation (NSAV) line provides funding to purchase, modify and equip Special Operations Forces (SOF) NSAV and Aviation Foreign Internal Defense (AvFID) aircraft to provide the required capabilities outlined below. This line also funds low cost modifications of NSAV assets to support world-wide SOF mobility and priority Partner Nation training.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160403BB
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Line Item MDAP/MAIS Code: 0000

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	NON-STANDARD AVIATION (NSAV)				- / 799.077	- / 4.905	- / 14.492	- / 18.731	- / 13.000	- / 31.731
P-40	Total Gross/Weapon System Cost				- / 799.077	- / 4.905	- / 14.492	- / 18.731	- / 13.000	- / 31.731

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

1. NSAV. Program supports worldwide SOF missions and must have flexible capabilities to facilitate Theater Special Operations Command (TSOC) tactical and strategic objectives. The NSAV program provides Short Take-Off and Landing , flexible, rapid, responsive operational support of special operations teams. Support to TSOCs and operational mission objectives include: SOF team mobility in austere and remote locations, casualty evacuation, non-combatant evacuation operations, and humanitarian assistance.

FY 2019 PROGRAM JUSTIFICATION: Funds low cost modifications and Global Positioning System (GPS) Improvements for C-146.

2. AvFID. Conduct training of fixed wing aircraft with priority Partner Nations in support of U.S. strategic objectives. AvFID aircraft must have flexible capabilities to support objective mission sets including, but not limited to, train, advise, and assist Partner Nation in the areas of day and night operations in low-level navigation, airdrop, air land resupply, leaflet drop, MEDVAC, personnel recovery, visual meteorological condition formation, aerial Intelligence Surveillance and Reconnaissance, airborne command and control, convoy escort, close air support, strike, border patrol, counternarcotics, and humanitarian relief.

FY 2019 PROGRAM JUSTIFICATION: Procures and installs GPS improvements on MC12 Air National Guard Aircraft.

FY 2019 OVERSEAS CONTINGENCY OPERATIONS (OCO) PROGRAM JUSTIFICATION: Procures Infrared Suppression Systems (IRSS) for 9 MC-12 ANG Aircraft and procures 12 High Definition Infrared Sensor MX-15 sensors.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 **P-1 Line Item Number / Title:** 0207NSAV / NON-STANDARD AVIATION **Aggregated Items Title:** NON-STANDARD AVIATION (NSAV)

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - NSAV Aircraft																				
1.1 / Low Cost Modifications			-	-	-	-	-	4.905	-	-	4.892	-	-	4.787	-	-	-	-	-	4.787
1.2 / Global Positioning System Improvements Overseas Contingency Operations (OCO)			-	-	-	-	-	-	-	-	1.600	-	-	-	-	-	-	-	-	-
1.3 / Global Positioning System Improvements			-	-	-	-	-	-	-	-	-	-	-	7.500	-	-	-	-	-	7.500
Subtotal: 1 - NSAV Aircraft			-	-	-	-	-	4.905	-	-	6.492	-	-	12.287	-	-	-	-	-	12.287
2 - Aviation Foreign Internal Defense (AvFID) (MC-12 Air National Guard)																				
2.1 / Global Positioning System Improvements			-	-	-	-	-	-	-	-	-	-	-	6.444	-	-	-	-	-	6.444
2.2 / Global Positioning System Improvements OCO			-	-	-	-	-	-	-	-	8.000	-	-	-	-	-	-	-	-	-
2.3 / Infrared Suppression System OCO			-	-	-	-	-	-	-	-	-	-	-	-	0.722	9	6.500	0.722	9	6.500
2.4 / High Definition Infrared Sensor OCO			-	-	-	-	-	-	-	-	-	-	-	-	0.542	12	6.500	0.542	12	6.500
Subtotal: 2 - Aviation Foreign Internal Defense (AvFID) (MC-12 Air National Guard)			-	-	-	-	-	-	-	-	8.000	-	-	6.444	-	-	13.000	-	-	19.444
3 - Prior Year																				
3.1 / Completed Efforts			-	-	799.077	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3 - Prior Year			-	-	799.077	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	799.077	-	-	4.905	-	-	14.492	-	-	18.731	-	-	13.000	-	-	31.731

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0607U28 / U-28
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: 0000

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	124.637	67.362	13.869	32.301	51.722	84.023	17.997	6.772	6.834	6.971	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	124.637	67.362	13.869	32.301	51.722	84.023	17.997	6.772	6.834	6.971	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	124.637	67.362	13.869	32.301	51.722	84.023	17.997	6.772	6.834	6.971	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	11.025	-	-	0.670	0.670	-	-	-	-	-	11.695
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This P-1 Line Item is part of the Military Intelligence Program. The mission of the U-28 is to provide a manned fixed wing capability for improved tactical airborne Intelligence, Surveillance, Reconnaissance, and Targeting in support of Theater Special Operations Forces. USSOCOM funds SOF-peculiar modifications to U-28 aircraft and low cost modifications for the Mission Training Device (MTD), and support equipment to meet evolving mission requirements. This program received Overseas Contingency Operations (OCO) funding in FY 2017. There is no associated RDT&E.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0607U28 / U-28
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: 0000

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	U-28 Systems	P-5a			- / 124.637	- / 67.362	- / 13.869	- / 32.301	- / 51.722	- / 84.023
P-40	Total Gross/Weapon System Cost				- / 124.637	- / 67.362	- / 13.869	- / 32.301	- / 51.722	- / 84.023

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

1. Mission Systems. Provides SOF-unique modifications to include: avionics, communication systems, Intelligence, Surveillance, and Reconnaissance systems, mission workstations, and mission software.

FY 2019 PROGRAM JUSTIFICATION: Procures and installs low cost modifications to U-28 mission systems.

FY 2019 OCO PROGRAM JUSTIFICATION: Procures Enhanced Ground Proximity Warning Systems to address findings of Safety Investigation board (35 kits and 10 spares).

2. Mission Training Device (MTD): Procures Mission Training Device and concurrency, obsolescence, and fidelity low cost modifications to the U-28 MTD ensuring realistic full-spectrum training and mission rehearsal capabilities. The MTD reduces risk for complex mission sets, reduces overall costs and safety stresses of live training required to attain aircraft and mission proficiency.

FY 2019 PROGRAM JUSTIFICATION: Procures two Mission Training Devices and installs MTD simulator low cost modifications to mission systems.

3. Multi-Spectral Targeting System (MTS) Sensor. A full motion video sensor that provides electro-optical and infrared real-time video. The system also houses a laser designator that is co-aligned with the video. The MTS Sensor program received OCO funding in FY2017.

4. Advanced Threat Warning (ATW) System. A sensor that provides threat warning of missiles, hostile fire, and lasers that are engaging an aircraft. The ATW System program received OCO funding in FY 2017.

5. U-28 Infrared Suppression. Continues Joint Urgent Operational Need S0-0010 solution which began in FY 2016. Modification lowers U-28 infrared signature that reduces engagement risk and makes flares more effective. The Infrared Suppression program received OCO funding in FY 2017.

6. U-28 Global Positioning System (GPS) Improvements. Provides ability to operate in a GPS degraded environment improving survivability/readiness of aircraft supporting ongoing operations. The U-28 GPS program received OCO funding in FY 2017.

7. U-28 Automatic Dependent Surveillance – Broadcast (ADS-B) Upgrade. Federal Aviation Authority (FAA) mandate to improve safety and efficiency enabling unrestricted flight profiles in FAA airspace. This allows aircraft to conduct unrestricted training, transit and ISR operations.

FY 2019 OCO PROGRAM JUSTIFICATION: Procures and installs ADS-B hardware and software for kit proof of first article and subsequent modification of 34 aircraft (26 mission and 8 trainers).

8. U-28 EQ+ Modification. Follow-on effort to Combat Mission Needs Statement (CMNS) 210 to directly support C-ISIS operations. Enables deployment aircraft with 20" High Definition Full Motion Video Multi-Spectral Targeting System B Sensors OCONUS providing both extended stand-off operations and an enhanced Find, Fix, Finish capability. The U-28 EQ+ modification program received OCO funding in FY 2017.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		P-1 Line Item Number / Title: 0607U28 / U-28
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: 0000		

FY 2019 OCO PROGRAM JUSTIFICATION: Convert and install two PC-12 A/C to EQ+ configuration.

9. U-28 Mission Equipment Racks:

FY 2019 OCO PROGRAM JUSTIFICATION: Procures 13 mission equipment racks.

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Exhibit P-5, Cost Analysis: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0607U28 / U-28	Item Number / Title [DODIC]: - / U-28 Systems
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	124.637	67.362	13.869	32.301	51.722	84.023
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	124.637	67.362	13.869	32.301	51.722	84.023
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	124.637	67.362	13.869	32.301	51.722	84.023

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	11.025	-	-	0.670	0.670
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - 1 - Mission Systems Cost																		
Recurring Cost																		
1.1 Low Cost Modifications	-	-	-	-	-	3.263	-	-	3.969	-	-	1.967	-	-	-	-	-	1.967
1.2 Enhanced Ground Proximity Warning System (EGPWS) Overseas Contingency Operations (OCO) ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	0.067	35	2.330	0.067	35	2.330
1.3 EGPWS Spares OCO ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	0.067	10	0.670	0.067	10	0.670
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	3.263	-	-	3.969	-	-	1.967	-	-	3.000	-	-	4.967
<i>Subtotal: Hardware - 1 - Mission Systems Cost</i>	-	-	-	-	-	3.263	-	-	3.969	-	-	1.967	-	-	3.000	-	-	4.967

Hardware - 2 - Mission Training Device (MTD) Cost																		
Recurring Cost																		
2.1 MTD ^(†)	-	-	-	-	-	-	-	-	-	14.263	2	28.527	-	-	-	14.263	2	28.527
2.2 MTD Low Cost Modifications	-	-	-	-	-	-	-	-	1.800	-	-	1.807	-	-	-	-	-	1.807
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	1.800	-	-	30.334	-	-	-	-	-	30.334
<i>Subtotal: Hardware - 2 - Mission Training Device (MTD) Cost</i>	-	-	-	-	-	-	-	-	1.800	-	-	30.334	-	-	-	-	-	30.334

Hardware - 3 - Multi-Spectral Targeting System (MTS) Sensor Cost																		
Recurring Cost																		

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Exhibit P-5, Cost Analysis: PB 2019 United States Special Operations Command												Date: February 2018					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / O2 / 1						P-1 Line Item Number / Title: 0607U28 / U-28						Item Number / Title [DODIC]: - / U-28 Systems					

ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:							
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
3.1 MTS OCO	-	-	-	-	-	8.400	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	8.400	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - 3 - Multi-Spectral Targeting System (MTS) Sensor Cost</i>	-	-	-	-	-	8.400	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - 4 - Advanced Threat Warning (ATW) System Cost																		
Recurring Cost																		
4.1 ATW OCO	-	-	-	-	-	21.399	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	21.399	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - 4 - Advanced Threat Warning (ATW) System Cost</i>	-	-	-	-	-	21.399	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - 5 - Infrared (IR) Suppression Cost																		
Recurring Cost																		
5.1 IR Suppression OCO	-	-	-	-	-	3.300	-	-	8.100	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	3.300	-	-	8.100	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - 5 - Infrared (IR) Suppression Cost</i>	-	-	-	-	-	3.300	-	-	8.100	-	-	-	-	-	-	-	-	-
Hardware - 6 - Global Positioning System (GPS) Improvements Cost																		
Recurring Cost																		
6.1 GPS Improvements OCO	-	-	-	-	-	13.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	13.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - 6 - Global Positioning System (GPS) Improvements Cost</i>	-	-	-	-	-	13.000	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - 7 - Automatic Dependent Surveillance - Broadcast (ADS-B) Upgrade Cost																		
Recurring Cost																		
7.1 ADS-B Upgrade OCO ⁽¹⁾	-	-	-	-	-	-	-	-	-	-	-	-	0.133	34	4.508	0.133	34	4.508
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.508	-	-	4.508
Non Recurring Cost																		
7.2 ADS-B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.784	-	-	0.784
7.3 Installation	-	-	-	-	-	-	-	-	-	-	-	-	0.145	34	4.930	0.145	34	4.930
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.714	-	-	5.714

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Exhibit P-5, Cost Analysis: PB 2019 United States Special Operations Command													Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1						P-1 Line Item Number / Title: 0607U28 / U-28						Item Number / Title [DODIC]: - / U-28 Systems					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:							

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Hardware - 7 - Automatic Dependent Surveillance - Broadcast (ADS-B) Upgrade Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.222	-	-	10.222
Hardware - 8 - EQ+ Modification Cost																		
Recurring Cost																		
8.1 EQ+ Modification OCO ^(†)	-	-	-	-	-	18.000	-	-	-	-	-	-	6.500	2	13.000	6.500	2	13.000
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	18.000	-	-	-	-	-	-	-	-	13.000	-	-	13.000
Non Recurring Cost																		
8.2 Installation	-	-	-	-	-	-	-	-	-	-	-	-	9.500	2	19.000	9.500	2	19.000
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.000	-	-	19.000
<i>Subtotal: Hardware - 8 - EQ + Modification Cost</i>	-	-	-	-	-	18.000	-	-	-	-	-	-	-	-	32.000	-	-	32.000
Hardware - 9 - Mission Equipment Racks Cost																		
Recurring Cost																		
9.1 Mission Equipment Racks OCO ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	0.500	13	6.500	0.500	13	6.500
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.500	-	-	6.500
<i>Subtotal: Hardware - 9 - Mission Equipment Racks Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.500	-	-	6.500
Hardware - 10 - Prior Year Cost																		
Recurring Cost																		
10.1 Prior Year Costs	-	-	124.637	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	124.637	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - 10 - Prior Year Cost</i>	-	-	124.637	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	124.637	-	-	67.362	-	-	13.869	-	-	32.301	-	-	51.722	-	-	84.023

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0607U28 / U-28	Item Number / Title [DODIC]: - / U-28 Systems
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.2 Enhanced Ground Proximity Warning System (EGPWS) Overseas Contingency Operations (OCO)	✓	2019	SNC / Centennial, CO	TBD	Wright-Patterson AFB, OH	Jul 2019	Feb 2020	35	0.067			
1.3 EGPWS Spares OCO	✓	2019	SNC / Centennial, CO	TBD	Wright-Patterson AFB, OH	Jul 2019	Mar 2020	10	0.067			
2.1 MTD		2019	SNC / Centennial, CO	TBD	Wright-Patterson AFB, OH	Jun 2019	May 2020	2	14.263	N		
7.1 ADS-B Upgrade OCO	✓	2019	SNC / Centennial, CO	TBD	Wright-Patterson AFB, OH	Aug 2019	Feb 2020	34	0.133			
8.1 EQ+ Modification OCO	✓	2019	SNC / Centennial, CO	TBD	Wright-Patterson AFB, OH	Apr 2019	Nov 2019	2	6.500			
9.1 Mission Equipment Racks OCO	✓	2019	SNC / Centennial, CO	TBD	Wright-Patterson AFB, OH	Jul 2019	Jan 2020	13	0.500			

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160403BB
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	395.263	29.022	97.615	131.033	36.500	167.533	174.617	175.266	178.771	182.346	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	395.263	29.022	97.615	131.033	36.500	167.533	174.617	175.266	178.771	182.346	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	395.263	29.022	97.615	131.033	36.500	167.533	174.617	175.266	178.771	182.346	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This P-1 line item funds the MH-47 program. Army Special Operations Aviation (ARSOA) requires a long-term, capable, and reliable SOF heavy assault fleet in order to provide organic world-wide strategic Rotary-wing operations capable of rapid deployment and long range penetration of hostile tactical areas. ARSOA is authorized 69 highly specialized MH-47G Chinook aircraft, which currently includes 61 MH-47G sheet-metal constructed airframes, two of which have been lost in combat or pre-deployment training. This program will replace the remaining 61 MH-47G legacy sheet metal constructed airframes with newly built machined airframes incorporating emerging technologies to maintain mission effectiveness. These 61 sheet-metal airframes are, on average, 48 years-old with an average of over 9,000 cumulative flight hours each. The continuous engagement in combat operations since fielding, while operating in the high demand Special Operations Aviation flight spectrum, coupled with the aging airframe structural fatigue and corrosion, and diminishing manufacturing sources of supply, continue to increase the maintenance actions and costs required to meet operational availability. MFP-2 funds are provided by Army to cover common production, labor, and long lead material costs.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA
1: Aviation Programs

P-1 Line Item Number / Title:
0610MH47 / MH-47 CHINOOK

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 1160403BB

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Modifications Prior Year				- / 395.263	- / -	- / -	- / -	- / -	- / -
P-5	1 / MH-47 RENEW	P-5a, P-21			- / -	- / 29.022	- / 97.615	- / 131.033	- / 36.500	- / 167.533
P-40	Total Gross/Weapon System Cost				- / 395.263	- / 29.022	- / 97.615	- / 131.033	- / 36.500	- / 167.533

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2019 PROGRAM JUSTIFICATION: Funds the manufacture of six newly built machined airframes incorporating emerging technologies to maintain mission effectiveness and address aging airframe structural fatigue and corrosion issues. Also funds Government Furnished Equipment/SOF-unique mission kits, block modifications, production engineering, publications, and program management. Funds modifications to address emerging threats, safety concerns, reliability and maintainability issues, and improved capabilities.
 FY 2019 OVERSEAS CONTINGENCY OPERATIONS (OCO) PROGRAM JUSTIFICATION: Funding procures one MH-47G new aircraft with Aircraft Survivability Equipment (ASE), Silent Knight Radar (SKR), sensors and avionics for October 2017 battle loss, restoring the USSOCOM BOI to 69 aircraft. Funds modifications to address emerging threats, safety concerns, reliability and maintainability issues, and improved capabilities.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 **P-1 Line Item Number / Title:** 0610MH47 / MH-47 CHINOOK **Aggregated Items Title:** Modifications Prior Year

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - Prior Years Funding																				
1.1 / Modifications Prior Years			-	-	395.263	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1 - Prior Years Funding			-	-	395.263	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	395.263	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-5, Cost Analysis: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK	Item Number / Title [DODIC]: 1 / MH-47 RENEW

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	29.022	97.615	131.033	36.500	167.533
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	29.022	97.615	131.033	36.500	167.533
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	29.022	97.615	131.033	36.500	167.533

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Airframe ⁽¹⁾ (1)	-	-	-	-	-	-	16.500	4	66.000	16.842	6	101.053	-	-	-	16.842	6	101.053
Airframe (OCO)	-	-	-	-	-	-	-	-	-	-	-	-	18.100	1	18.100	18.100	1	18.100
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	66.000	-	-	101.053	-	-	18.100	-	-	119.153
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	66.000	-	-	101.053	-	-	18.100	-	-	119.153
Hardware Cost																		
Recurring Cost																		
Government Furnished Equipment (GFE)	-	-	-	-	-	2.450	-	-	12.912	-	-	13.060	-	-	-	-	-	13.060
GFE (OCO)	-	-	-	-	-	-	-	-	10.270	-	-	-	-	-	3.700	-	-	3.700
Aircraft Survivability Equipment (ASE) (OCO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.000	-	-	6.000
Silent Knight Radar (SKR) (OCO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.200	-	-	3.200
Sensors (OCO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.200	-	-	2.200
Avionics (OCO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.800	-	-	1.800
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	2.450	-	-	23.182	-	-	13.060	-	-	16.900	-	-	29.960
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	2.450	-	-	23.182	-	-	13.060	-	-	16.900	-	-	29.960
Support Cost																		
Block Modifications	-	-	-	-	-	-	-	-	4.300	-	-	7.820	-	-	-	-	-	7.820

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Exhibit P-5, Cost Analysis: PB 2019 United States Special Operations Command													Date: February 2018					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1						P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK						Item Number / Title [DODIC]: 1 / MH-47 RENEW						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Post Production Modifications (OCO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.500	-	-	1.500
Production Engineering	-	-	-	-	-	24.372	-	-	1.433	-	-	2.500	-	-	-	-	-	2.500
Publication/Tech Data	-	-	-	-	-	0.900	-	-	1.400	-	-	4.500	-	-	-	-	-	4.500
Program Management	-	-	-	-	-	1.300	-	-	1.300	-	-	2.100	-	-	-	-	-	2.100
<i>Subtotal: Support Cost</i>	-	-	-	-	-	26.572	-	-	8.433	-	-	16.920	-	-	1.500	-	-	18.420
Gross/Weapon System Cost	-	-	-	-	-	29.022	-	-	97.615	-	-	131.033	-	-	36.500	-	-	167.533

(t) indicates the presence of a P-5a

Footnotes:

(1) Boeing: Sole Source Original Equipment Manufacturer

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Exhibit P-5a, Procurement History and Planning: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK	Item Number / Title [DODIC]: 1 / MH-47 RENEW
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Airframe ^(†)		2018	Boeing / Philadelphia, PA	SS / CPFF	Fort Eustis, VA	May 2018	Jul 2020	4	16.500	Y		Nov 2016
Airframe ^(†)		2019	Boeing / Philadelphia, PA	SS / CPFF	Fort Eustis, VA	May 2019	Jul 2021	6	16.842	Y		Nov 2017
Airframe	✓	2019	Boeing / Philadelphia, PA	SS / CPFF	Fort Eustis, VA	May 2019	May 2022	1	18.100	Y		Nov 2017

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 **P-1 Line Item Number / Title:** 0610MH47 / MH-47 CHINOOK **Item Number / Title [DODIC]:** 1 / MH-47 RENEW

Cost Elements (Units in Each)						Fiscal Year 2018												Fiscal Year 2019												B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019												
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A		S
							C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	P	A	U	U		U
<i>Airframe ⁽¹⁾</i>																															
	1	2018	SOCOM	4	0	4																							4		
	1	2019	SOCOM	6	0	6																							6		
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
							C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	P	A	U	U	U	E
							T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	

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Exhibit P-21, Production Schedule: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 **P-1 Line Item Number / Title:** 0610MH47 / MH-47 CHINOOK **Item Number / Title [DODIC]:** 1 / MH-47 RENEW

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2020													Fiscal Year 2021													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020													Calendar Year 2021													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
Airframe ⁽¹⁾																																	
1		2018	SOCOM	4	0	4	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3		
1		2019	SOCOM	6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	4		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 **P-1 Line Item Number / Title:** 0610MH47 / MH-47 CHINOOK **Item Number / Title [DODIC]:** 1 / MH-47 RENEW

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Airframe ⁽¹⁾																															
1		2018	SOCOM	4	1	3	1	-	1	-	1																		0		
1		2019	SOCOM	6	2	4	-	1	-	-	1	-	1	1															0		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK	Item Number / Title [DODIC]: 1 / MH-47 RENEW
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2019	1-8-5 For 2019	MAX For 2019	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Boeing - Philadelphia, PA	24	24	72	12	8	27	35	0	0	0	0

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160403BB, 1160421BB
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	53	1	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,714.011	47.786	42.178	32.529	-	32.529	27.491	31.285	56.535	50.918	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,714.011	47.786	42.178	32.529	-	32.529	27.491	31.285	56.535	50.918	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,714.011	47.786	42.178	32.529	-	32.529	27.491	31.285	56.535	50.918	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	232.226	-	-	-	-	-	-	-	-	-	-	232.226
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The CV-22 Special Operations Forces (SOF) Modification line item funds the SOF variant of the V-22 vertical medium lift, multi-mission aircraft and associated training systems. The CV-22 provides long-range, high-speed infiltration, exfiltration, and resupply to Special Forces teams in hostile, denied, and politically sensitive areas. The Navy is the lead service for the joint V-22 program and is responsible for managing and funding the development of the MV-22, as well as the Block 0 portion of the CV-22. The Air Force funds the service common portion while USSOCOM funds the development and procurement of SOF peculiar systems of Block 10 and 20. Budgeted modification programs include but are not limited to defensive/survivability systems, situational awareness systems, terrain following/terrain avoidance radar, SOF Communications, the flight director, weapons integration, and Intelligence, surveillance and reconnaissance systems. The CV-22 Simulator Block Update (SBUD) program upgrades legacy CV-22 aircrew training device capabilities by addressing concurrency, obsolescence, and fidelity training issues. This program received a FY 2017 Overseas Contingency Operations (OCO) funding for attrition reserve aircraft.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160403BB, 1160421BB
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	AVIATION	P-5a	A	212	53 / 1,482.710	1 / 25.000	- / -	- / -	- / -	- / -
P-3a	1 / CV-22 Block 20 Upgrades (Added Capability)				- / 118.621	- / 15.721	- / 34.517	- / 24.672	- / -	- / 24.672
P-40a	CV-22 System				- / 112.680	- / 7.065	- / 7.661	- / 7.857	- / -	- / 7.857
P-40	Total Gross/Weapon System Cost				53 / 1,714.011	1 / 47.786	- / 42.178	- / 32.529	- / -	- / 32.529

Exhibits Schedule					FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	AVIATION	P-5a	A	212	- / -	- / -	- / -	- / -	- / -	- / -
P-3a	1 / CV-22 Block 20 Upgrades (Added Capability)				- / 19.453	- / 23.078	- / 48.243	- / 42.460	Continuing	Continuing
P-40a	CV-22 System				- / -	- / -	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 27.491	- / 31.285	- / 56.535	- / 50.918	Continuing	Continuing

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2019 PROGRAM JUSTIFICATION:

Funds Low Cost Modifications and Simulator Block upgrades to address fielded deficiencies, obsolescence, reliability and maintainability issues. Block 20 upgrades to bring delivered CV-22 aircraft up to Block 20 configuration, and addresses SOF-unique CV-22 training concurrency, obsolescence and fidelity issues. These Block 20 upgrades include 3 Color Helmet Mounted Displays (CHMDs), 4 SIRFC Correction of Deficiency (COD) kits, 5 Global Positioning System (GPS) kits and 20 Search Landing Lights. Block 20 also includes nonrecurring engineering and support, equipment training, technical support and flight test.

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Exhibit P-5, Cost Analysis: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION	Item Number / Title [DODIC]: - / AVIATION

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code: 212
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	53	1	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,482.710	25.000	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1,482.710	25.000	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,482.710	25.000	-	-	-	-

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	232.226	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Flyaway - CV-22 Airframe Cost																		
Recurring Cost																		
Contract Furnished Equipment (CFE)	15.206	44	669.064	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Government Furnished Equipment (GFE) Electronics	-	-	80.808	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CFE Overseas Contingency Operations (OCO)	15.993	8	127.943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Airframe/CFE Congressional Add	18.000	1	18.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Airframe/CFE OCO ^(†)	-	-	-	25.000	1	25.000	-	-	-	-	-	-	-	-	-	-	-	-
GFE Electronics OCO	-	-	2.969	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	898.784	-	-	25.000	-	-	-	-	-	-	-	-	-	-	-	-
Non Recurring Cost																		
Initial Spares	-	-	232.226	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Other ILS Program Management	-	-	206.878	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Interim Contractor Support	-	-	79.515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Overseas Contingency Operations (OCO)	-	-	10.255	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2019 United States Special Operations Command													Date: February 2018					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1						P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION						Item Number / Title [DODIC]: - / AVIATION						
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code: 212								

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Support - Peculiar Training Equipment	-	-	55.052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	583.926	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway - CV-22 Airframe Cost</i>	-	-	1,482.710	-	-	25.000	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	53	1,482.710	-	1	25.000	-	-	-	-	-	-	-	-	-	-	-	-

(t) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION	Item Number / Title [DODIC]: - / AVIATION
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Airframe/CFE OCO	✓	2017	Bell Boeing / Amarillo, TX	SS / FPIF	Patuxent River, MD	Apr 2018	Nov 2022	1	25.000	Y		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION	Modification Number / Title: 1 / CV-22 Block 20 Upgrades
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	118.621	15.721	34.517	24.672	-	24.672	19.453	23.078	48.243	42.460	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	118.621	15.721	34.517	24.672	-	24.672	19.453	23.078	48.243	42.460	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	118.621	15.721	34.517	24.672	-	24.672	19.453	23.078	48.243	42.460	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification funds the retrofit of fielded CV-22 aircraft and related equipment. The CV-22 modification program includes, but is not limited to, efforts that (1) improve operational safety, suitability, and effectiveness, (2) correct deficiencies identified during operational testing and/or field operations, (3) improve reliability/maintainability of the aircraft, (4) enhance defensive systems and self-deployment capabilities, and (5) modify aircraft to common configuration. Block 20 modifications include, but are not limited to the following systems; Cabin Lighting, Color Helmet Mounted Displays, Airborne Mission Networking & Enhanced Situational Awareness, and Electronic Warfare Upgrades. The USAF MFP-4 and USSOCOM MFP-11 modification budgets fund CV-22 modifications. USSOCOM MFP-11 funds Special Operations Forces (SOF) specific modifications, and USAF MFP-4 funds modifications that are common with other USAF platforms and/or with the joint V-22 program. This budget line item also includes funds to upgrade CV-22 support equipment, training equipment, and weapon system software with changes driven by aircraft Engineering Change Proposals (ECPs). This program received Overseas Contingency Operations funding in FY 2017 for Suite of Integrated Radio Frequency Countermeasures Correction of Deficiencies (SIRFC COD) and Global Positioning System (GPS) Improvements.

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION	Modification Number / Title: 1 / CV-22 Block 20 Upgrades

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Models of Systems Affected: CV-22	Modification Type: Added Capability	Related RDT&E PEs: 1160403BB
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Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)

Procurement

Modification Item 1 of 10: Suite of Integrated Radio Frequency Countermeasures (SIRFC) Radome and LRU-2B improvements												
A Kits												
Recurring												
Suited of Integrated Radio Countermeasures Installs	39 / 26.949	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 26.949
Subtotal: Recurring	39 / 26.949	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 26.949
Subtotal: Suite of Integrated Radio Frequency Countermeasures (SIRFC) Radome and LRU-2B improvements	39 / 26.949	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 26.949

Modification Item 2 of 10: Color Helmet Mounted Display												
A Kits												
Recurring												
Color Helmet Mounted Display	24 / 7.658	- / -	8 / 1.149	3 / 1.050	- / -	3 / 1.050	13 / 4.550	- / -	- / -	- / -	- / -	48 / 14.407
Subtotal: Recurring	24 / 7.658	- / -	8 / 1.149	3 / 1.050	- / -	3 / 1.050	13 / 4.550	- / -	- / -	- / -	- / -	48 / 14.407
Subtotal: Color Helmet Mounted Display	24 / 7.658	- / -	8 / 1.149	3 / 1.050	- / -	3 / 1.050	13 / 4.550	- / -	- / -	- / -	- / -	48 / 14.407

Modification Item 3 of 10: Suite of Integrated Radio Frequency Countermeasures (SIRFC) Correction of Deficiency												
A Kits												
Recurring												
SIRFC Correction of Deficiencies	- / -	5 / 3.153	41 / 28.113	4 / 2.858	- / -	4 / 2.858	- / -	- / -	- / -	- / -	- / -	50 / 34.124
Subtotal: Recurring	- / -	5 / 3.153	41 / 28.113	4 / 2.858	- / -	4 / 2.858	- / -	- / -	- / -	- / -	- / -	50 / 34.124
Subtotal: Suite of Integrated Radio Frequency Countermeasures (SIRFC) Correction of Deficiency	- / -	5 / 3.153	41 / 28.113	4 / 2.858	- / -	4 / 2.858	- / -	- / -	- / -	- / -	- / -	50 / 34.124

Modification Item 4 of 10: SIRFC Correction of Deficiency Overseas Contingency Operations (OCO)												
A Kits												
Recurring												
SIRFC Correction of Deficiencies OCO	- / -	5 / 3.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.700
Subtotal: Recurring	- / -	5 / 3.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.700

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command										Date: February 2018			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION						Modification Number / Title: 1 / CV-22 Block 20 Upgrades			
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: CV-22				Modification Type: Added Capability				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
<i>Subtotal: SIRFC Correction of Deficiency Overseas Contingency Operations (OCO)</i>	- / -	5 / 3.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.700	
Modification Item 5 of 10: GPS Improvements													
A Kits													
Recurring													
GPS Improvements	- / -	- / -	- / -	5 / 10.000	- / -	5 / 10.000	- / -	- / -	- / -	- / -	- / -	- / 10.000	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 10.000	- / -	- / 10.000	- / -	- / -	- / -	- / -	- / -	- / 10.000	
<i>Subtotal: GPS Improvements</i>	- / -	- / -	- / -	- / 10.000	- / -	- / 10.000	- / -	- / -	- / -	- / -	- / -	- / 10.000	
Modification Item 6 of 10: GPS Improvements OCO													
A Kits													
Recurring													
GPS Improvements (OCO)	- / -	1 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.000	
<i>Subtotal: Recurring</i>	- / -	1 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.000	
<i>Subtotal: GPS Improvements OCO</i>	- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.000	
Modification Item 7 of 10: Search Landing Light Step 2													
A Kits													
Recurring													
Search Landing Light Step 2	- / -	- / -	- / -	20 / 1.886	- / -	20 / 1.886	18 / 1.697	- / -	- / -	- / -	- / -	38 / 3.583	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	20 / 1.886	- / -	20 / 1.886	18 / 1.697	- / -	- / -	- / -	- / -	38 / 3.583	
<i>Subtotal: Search Landing Light Step 2</i>	- / -	- / -	- / -	20 / 1.886	- / -	20 / 1.886	18 / 1.697	- / -	- / -	- / -	- / -	38 / 3.583	
Modification Item 8 of 10: TF/TA (Silent Knight) Radar													
A Kits													
Recurring													
Silent Knight Radar	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.800	3 / 10.200	7 / 25.500	7 / 26.010	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.800	3 / 10.200	7 / 25.500	7 / 26.010	Continuing	Continuing	
<i>Subtotal: TF/TA (Silent Knight) Radar</i>	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.800	3 / 10.200	7 / 25.500	7 / 26.010	Continuing	Continuing	
Modification Item 9 of 10: Defensive Weapon System													
A Kits													
Recurring													
Defensive Weapon System	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.500	- / 2.500	- / 18.139	- / 11.587	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.500	- / 2.500	- / 18.139	- / 11.587	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command										Date: February 2018		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION						Modification Number / Title: 1 / CV-22 Block 20 Upgrades		
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:					
Models of Systems Affected: CV-22				Modification Type: Added Capability				Related RDT&E PEs: 1160403BB				
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<i>Subtotal: Defensive Weapon System</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.500	- / 2.500	- / 18.139	- / 11.587	Continuing	Continuing
Modification Item 10 of 10: Prior Year Funding												
A Kits												
Recurring												
Prior Year Funding	245 / 38.727	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	245 / 38.727
<i>Subtotal: Recurring</i>	245 / 38.727	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	245 / 38.727
<i>Subtotal: Prior Year Funding</i>	245 / 38.727	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	245 / 38.727
<i>Subtotal: Procurement, All Modification Items</i>	- / 73.334	- / 8.853	- / 29.262	- / 15.794	- / -	- / 15.794	- / 15.547	- / 12.700	- / 43.639	- / 37.597	Continuing	Continuing
Support (All Modification Items)												
ECP Nonrecurring Engineering	- / 27.113	- / 1.539	- / -	- / 0.373	- / -	- / 0.373	- / -	- / 3.639	- / 0.159	- / -	- / -	- / 32.823
Data	- / 0.006	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.006
Training Equipment	- / 6.758	- / 1.258	- / 1.200	- / 0.600	- / -	- / 0.600	- / 0.547	- / 1.500	- / 1.200	- / 0.871	Continuing	Continuing
Support Equipment	- / 3.410	- / -	- / 1.202	- / 5.341	- / -	- / 5.341	- / 0.264	- / 1.500	- / 0.550	- / 0.505	Continuing	Continuing
Technical Support	- / 2.052	- / 2.856	- / 1.873	- / 1.423	- / -	- / 1.423	- / 1.925	- / 1.456	- / 1.467	- / 2.130	Continuing	Continuing
Flight Test	- / 0.135	- / 0.365	- / 0.500	- / 0.641	- / -	- / 0.641	- / 0.500	- / 2.283	- / 1.228	- / 1.357	Continuing	Continuing
<i>Subtotal: Support</i>	- / 39.474	- / 6.018	- / 4.775	- / 8.378	- / -	- / 8.378	- / 3.236	- / 10.378	- / 4.604	- / 4.863	Continuing	Continuing
Installation												
<i>Modification Item 1 of 10:</i> Suite of Integrated Radio Frequency Countermeasures (SIRFC) Radome and LRU-2B improvements	29 / 2.466	10 / 0.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 3.316
<i>Modification Item 2 of 10:</i> Color Helmet Mounted Display	8 / 0.480	- / -	8 / 0.480	8 / 0.500	- / -	8 / 0.500	11 / 0.670	- / -	- / -	- / -	13 / 0.791	48 / 2.921
<i>Modification Item 10 of 10:</i> Prior Year Funding	130 / 2.867	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	130 / 2.867
<i>Subtotal: Installation</i>	- / 5.813	- / 0.850	- / 0.480	- / 0.500	- / -	- / 0.500	- / 0.670	- / -	- / -	- / -	- / 0.791	- / 9.104
Total												
Total Cost (Procurement + Support + Installation)	118.621	15.721	34.517	24.672	-	24.672	19.453	23.078	48.243	42.460	Continuing	Continuing

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION	Modification Number / Title: 1 / CV-22 Block 20 Upgrades

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 1 of 10: Suite of Integrated Radio Frequency Countermeasures (SIRFC) Radome and LRU-2B improvements

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 7	Production Leadtime (in Months): 13

Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Nov 2016						
Delivery Dates	Dec 2017						

Installation Information

Method of Implementation: Contractor

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	29 / 2.466	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 2.466
FY 2017	- / -	10 / 0.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.850
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	29 / 2.466	10 / 0.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 3.316

Installation Schedule

	PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
In	29	-	1	2	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39
Out	29	-	-	1	2	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION	Modification Number / Title: 1 / CV-22 Block 20 Upgrades
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 2 of 10: Color Helmet Mounted Display

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo, TX
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 7

Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates		Nov 2017	Nov 2018	May 2020			
Delivery Dates		Jun 2018	Jun 2019	Dec 2020			

Installation Information

Method of Implementation: Contractor

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	8 / 0.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.480
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	8 / 0.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.480
FY 2019	- / -	- / -	- / -	8 / 0.500	- / -	8 / 0.500	- / -	- / -	- / -	- / -	- / -	8 / 0.500
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.670	- / -	- / -	- / -	- / -	11 / 0.670
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.791	13 / 0.791
Total	8 / 0.480	- / -	8 / 0.480	8 / 0.500	- / -	8 / 0.500	11 / 0.670	- / -	- / -	- / -	13 / 0.791	48 / 2.921

Installation Schedule

	PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	8	-	-	-	-	-	2	2	2	2	2	2	4	2	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	13	48
Out	8	-	-	-	-	-	-	2	2	2	2	2	2	4	2	2	3	4	-	-	-	-	-	-	-	-	-	-	-	13	48

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION			Modification Number / Title: 1 / CV-22 Block 20 Upgrades	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 3 of 10: Suite of Integrated Radio Frequency Countermeasures (SIRFC) Correction of Deficiency							
Manufacturer Information							
Manufacturer Name: Harris				Manufacturer Location: Clifton, NJ			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 20			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Jul 2017	Jan 2018	Jan 2019				
Delivery Dates	Mar 2019	Sep 2019	Sep 2020				
Installation Information							
Method of Implementation (Organic): Organizational (O-Level)						Installation Quantity: 50	

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION			Modification Number / Title: 1 / CV-22 Block 20 Upgrades	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 4 of 10: SIRFC Correction of Deficiency Overseas Contingency Operations (OCO)							
Manufacturer Information							
Manufacturer Name: Harris				Manufacturer Location: Clifton, NJ			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 20			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Sep 2017						
Delivery Dates	May 2019						
Installation Information							
Method of Implementation (Organic): Organizational (O-Level)					Installation Quantity: 5		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION			Modification Number / Title: 1 / CV-22 Block 20 Upgrades	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 5 of 10: GPS Improvements							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 10			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates			Dec 2018				
Delivery Dates			Oct 2019				
Installation Information							
Method of Implementation (Organic): Depot Modification Line					Installation Quantity: 5		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION			Modification Number / Title: 1 / CV-22 Block 20 Upgrades	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 6 of 10: GPS Improvements OCO							
Manufacturer Information							
Manufacturer Name: Raytheon Space and Airborne Systems				Manufacturer Location: El Segundo, CA			
Administrative Leadtime (<i>in Months</i>): 2				Production Leadtime (<i>in Months</i>): 10			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Dec 2017						
Delivery Dates	Oct 2018						
Installation Information							
Method of Implementation (Organic): Organizational (O-Level)					Installation Quantity: 1		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION			Modification Number / Title: 1 / CV-22 Block 20 Upgrades	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 7 of 10: Search Landing Light Step 2							
Manufacturer Information							
Manufacturer Name: Bell-Boeing				Manufacturer Location: Amarillo TX			
Administrative Leadtime (in Months): 7				Production Leadtime (in Months): 6			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates			Dec 2018	Mar 2020			
Delivery Dates			Jun 2019	Sep 2020			
Installation Information							
Method of Implementation (Organic): Organizational (O-Level)					Installation Quantity: 38		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION			Modification Number / Title: 1 / CV-22 Block 20 Upgrades	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 8 of 10: TF/TA (Silent Knight) Radar							
Manufacturer Information							
Manufacturer Name: Raytheon				Manufacturer Location: McKinney, TX			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates				Apr 2020	Apr 2021	Apr 2022	Apr 2023
Delivery Dates				Apr 2022	Apr 2023	Apr 2024	Apr 2025
Installation Information							
Method of Implementation (Organic): Organizational (O-Level)					Installation Quantity: 52		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION			Modification Number / Title: 1 / CV-22 Block 20 Upgrades	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 9 of 10: Defensive Weapon System							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates				Nov 2020	Nov 2021	Nov 2022	Nov 2023
Delivery Dates				Nov 2021	Nov 2022	Nov 2023	Nov 2024
Installation Information							
Method of Implementation (Organic): Organizational (O-Level)						Installation Quantity: 52	

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION	Modification Number / Title: 1 / CV-22 Block 20 Upgrades
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 10 of 10: Prior Year Funding

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 7	Production Leadtime (in Months): 13

Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contractor

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	130 / 2.867	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	130 / 2.867
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	130 / 2.867	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	130 / 2.867

Installation Schedule

	PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130
Out	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 **P-1 Line Item Number / Title:** 1000CV2200 / CV-22 MODIFICATION **Aggregated Items Title:** CV-22 System

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - CV-22 Low Cost Modifications																				
1.1 / CV-22 Low Cost Modificaitons			-	-	2.987	-	-	1.892	-	-	1.926	-	-	1.950	-	-	-	-	-	1.950
1.2 / Prior Year Funding			0.341	275	93.681	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1 - CV-22 Low Cost Modifications			-	-	96.668	-	-	1.892	-	-	1.926	-	-	1.950	-	-	-	-	-	1.950
2 - CV-22 Mission Training and Preparation Systems																				
2.1 / CV-22 Simulator Block Upgrades			-	-	16.012	-	-	5.173	-	-	5.735	-	-	5.907	-	-	-	-	-	5.907
Subtotal: 2 - CV-22 Mission Training and Preparation Systems			-	-	16.012	-	-	5.173	-	-	5.735	-	-	5.907	-	-	-	-	-	5.907
Total			-	-	112.680	-	-	7.065	-	-	7.661	-	-	7.857	-	-	-	-	-	7.857

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 1108MQ9 / MQ-9 UNMANNED AERIAL VEHICLE
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1105219BB
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	151.734	84.723	41.440	24.621	-	24.621	5.363	5.470	10.717	10.931	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	151.734	84.723	41.440	24.621	-	24.621	5.363	5.470	10.717	10.931	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	151.734	84.723	41.440	24.621	-	24.621	5.363	5.470	10.717	10.931	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The MQ-9 Unmanned Aerial Vehicle (UAV) line item funds the acquisition of Special Operations Forces (SOF)-unique mission kits, payloads, weaponization, modifications, production support for MQ-9 UAVs, Ground Control Stations (GCSs), and training systems. USSOCOM is designated the DoD lead for planning, synchronizing, and as directed, executing operations against terrorist networks. As the combatant command executing these operations, USSOCOM requires the capability to find, fix, finish, exploit, and analyze time-sensitive high-value targets. These targets can often only be identified with patient collection of information and require rapid, decisive action during the short periods in which they present themselves. This line item addresses the primary areas of Intelligence, Surveillance, Reconnaissance, Target Acquisition, and Strike. This program received FY 2017 Overseas Contingency Operations adds.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 1108MQ9 / MQ-9 UNMANNED AERIAL VEHICLE
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1105219BB
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	AVIATION	P-5a			- / 151.734	- / 84.723	- / 41.440	- / 24.621	- / -	- / 24.621
P-40	Total Gross/Weapon System Cost				- / 151.734	- / 84.723	- / 41.440	- / 24.621	- / -	- / 24.621

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2019 PROGRAM JUSTIFICATION: Procures SOF-peculiar mission kits, mission payloads, weaponization, modifications, and production support.

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Exhibit P-5, Cost Analysis: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 1108MQ9 / MQ-9 UNMANNED AERIAL VEHICLE	Item Number / Title [DODIC]: - / AVIATION
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	151.734	84.723	41.440	24.621	-	24.621
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	151.734	84.723	41.440	24.621	-	24.621
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	151.734	84.723	41.440	24.621	-	24.621

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - MQ-9 Unmanned Aerial Vehicle (UAV) Cost																		
Recurring Cost																		
Mission Kits, Mission Payloads, Weaponization and Modifications	-	-	49.680	-	-	10.097	-	-	21.156	-	-	24.121	-	-	-	-	-	24.121
Mission Kits, Mission Payloads, Weaponization & Modifications Overseas Contingency Operations (OCO)	-	-	52.248	-	-	14.750	-	-	-	-	-	-	-	-	-	-	-	-
Mission Kits OCO - TONTO Pods ^(†)	-	-	-	-	-	-	7.000	2	14.000	-	-	-	-	-	-	-	-	-
Mission Kits OCO - Sante Fe Pod and Modifications ^(†)	-	-	-	-	-	-	5.780	1	5.780	-	-	-	-	-	-	-	-	-
PISA - Signals Intelligence Line Replaceable Unit Components (OCO)	-	-	-	-	-	38.170	-	-	-	-	-	-	-	-	-	-	-	-
Full Motion Video Camera - MTS-B Turrent (OCO)	-	-	-	-	-	21.205	-	-	-	-	-	-	-	-	-	-	-	-
Mission Kits - Congressional Add Prior Year Funding	-	-	7.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2019 United States Special Operations Command												Date: February 2018					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1						P-1 Line Item Number / Title: 1108MQ9 / MQ-9 UNMANNED AERIAL VEHICLE						Item Number / Title [DODIC]: - / AVIATION					
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Production Support	-	-	4.524	-	-	0.501	-	-	0.504	-	-	0.500	-	-	-	-	-	0.500
<i>Subtotal: Recurring Cost</i>	-	-	113.952	-	-	84.723	-	-	41.440	-	-	24.621	-	-	-	-	-	24.621
Non Recurring Cost																		
Prior Year Funding	-	-	37.782	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	37.782	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - MQ-9 Unmanned Aerial Vehicle (UAV) Cost</i>	-	-	151.734	-	-	84.723	-	-	41.440	-	-	24.621	-	-	-	-	-	24.621
Gross/Weapon System Cost	-	-	151.734	-	-	84.723	-	-	41.440	-	-	24.621	-	-	-	-	-	24.621

Remarks:

Quantities and unit costs vary based on mission requirements established by the operational community within the year of execution.

(t) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 1108MQ9 / MQ-9 UNMANNED AERIAL VEHICLE	Item Number / Title [DODIC]: - / AVIATION
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Mission Kits OCO - TONTO Pods	✓	2018	Northrup Grumman / Chantilly, VA	TBD	Ft. Belvior, VA	Apr 2018	Jun 2019	2	7.000	Y		Feb 2018
Mission Kits OCO - Sante Fe Pod and Modifications	✓	2018	Northrup Grumman / Chantilly, VA	TBD	Ft. Belvior, VA	Apr 2018	Jan 2020	1	5.780	Y		Feb 2018

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 1202PSP / PRECISION STRIKE PACKAGE
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160403BB, 1160429BB
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	509.637	227.882	229.728	226.965	-	226.965	228.510	232.704	148.680	66.870	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	509.637	227.882	229.728	226.965	-	226.965	228.510	232.704	148.680	66.870	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	509.637	227.882	229.728	226.965	-	226.965	228.510	232.704	148.680	66.870	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	26.958	12.956	12.172	12.501	-	12.501	6.736	6.869	6.844	-	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Millions</i>)	26.958	12.956	12.172	12.501	-	12.501	27.418	27.966	28.246	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Precision Strike Package (PSP) for Special Operations Forces (SOF) funds the procurement and installation of the PSP onto various SOF platforms and training devices to provide a close air support, air interdiction, and armed reconnaissance capability including sensors, communications systems, precision guided munition systems, mission operator pallet, and gun systems. The recapitalization of the AC-130H, AC-130W, and AC-130U aircraft will be accomplished by installing PSP kits onto MC-130J donor aircraft. The PSP kit is modular, scalable, and platform agnostic. This program received a FY 2017 Overseas Contingency Operations add.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 1202PSP / PRECISION STRIKE PACKAGE
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160403BB, 1160429BB
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / Precision Strike Package	P-5a			- / 509.637	- / 227.882	- / 229.728	- / 226.965	- / -	- / 226.965
P-40	Total Gross/Weapon System Cost				- / 509.637	- / 227.882	- / 229.728	- / 226.965	- / -	- / 226.965

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2019 PROGRAM JUSTIFICATION: Procures five PSP kits (including the large caliber gun capability), initial spares, system integration lab and test, training systems, software integration, technology insertions, technical data, other government costs, and associated support equipment (includes installation hardware & special test equipment) for integration and test onto donor MC-130J aircraft.

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Exhibit P-5, Cost Analysis: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 1202PSP / PRECISION STRIKE PACKAGE	Item Number / Title [DODIC]: 1 / Precision Strike Package

ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:				
Resource Summary			Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			509.637	227.882	229.728	226.965	-	226.965
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			509.637	227.882	229.728	226.965	-	226.965
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)			509.637	227.882	229.728	226.965	-	226.965
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			26.958	12.956	12.172	12.501	-	12.501
Gross/Weapon System Unit Cost (\$ in Millions)			-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
PSP Kit ^(†)	22.822	10	228.216	25.556	4	102.224	26.067	5	130.335	26.377	5	131.884	-	-	-	26.377	5	131.884
PSP Kit OCO ^(†)	-	-	-	25.556	1	25.556	-	-	-	-	-	-	-	-	-	-	-	-
Support Systems - Training Systems	-	-	8.890	-	-	4.680	-	-	4.397	-	-	4.516	-	-	-	-	-	4.516
Support Systems - System Integration Lab	-	-	11.050	-	-	2.709	-	-	2.545	-	-	2.614	-	-	-	-	-	2.614
Support Systems - Peculiar Support Equipment	-	-	11.341	-	-	3.406	-	-	3.200	-	-	3.286	-	-	-	-	-	3.286
Subsystem Integration and Test – Aircraft Modification (1)	-	-	62.121	-	-	33.006	-	-	36.800	-	-	30.795	-	-	-	-	-	30.795
GPS Enhancement Kit Integration OCO	-	-	-	-	-	0.944	-	-	-	-	-	-	-	-	-	-	-	-
Software Integration	-	-	26.114	-	-	8.626	-	-	8.104	-	-	8.323	-	-	-	-	-	8.323
Large Caliber Gun Retrofit	-	-	58.389	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Technology Insertions - Aircraft Integration (2)	-	-	9.426	-	-	2.662	-	-	2.501	-	-	2.569	-	-	-	-	-	2.569
Technology Insertions - Mission Kit (2)	-	-	18.005	-	-	1.809	-	-	1.700	-	-	1.746	-	-	-	-	-	1.746

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Exhibit P-5, Cost Analysis: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 1202PSP / PRECISION STRIKE PACKAGE	Item Number / Title [DODIC]: 1 / Precision Strike Package

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Technology Insertions - Weapons Integration (2)	-	-	1.987	-	-	0.532	-	-	0.500	-	-	0.514	-	-	-	-	-	0.514
Technology Insertions - Deficiency Corrections (2)	-	-	10.018	-	-	6.697	-	-	10.050	-	-	10.322	-	-	-	-	-	10.322
GPS Enhancement Kit (OCO)	-	-	-	-	-	4.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	445.557	-	-	196.851	-	-	200.132	-	-	196.569	-	-	-	-	-	196.569
Non Recurring Cost																		
PSP Kit Initial Spares	-	-	21.279	-	-	12.956	-	-	12.172	-	-	12.501	-	-	-	-	-	12.501
PSP Large Caliber Gun Kit Initial Spares	-	-	5.679	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	26.958	-	-	12.956	-	-	12.172	-	-	12.501	-	-	-	-	-	12.501
<i>Subtotal: Hardware Cost</i>	-	-	472.515	-	-	209.808	-	-	212.304	-	-	209.070	-	-	-	-	-	209.070
Support Cost																		
Support Documents, Provisioning, and Technical Data	-	-	16.386	-	-	6.147	-	-	5.775	-	-	5.931	-	-	-	-	-	5.931
Other Government Costs	-	-	20.736	-	-	11.927	-	-	11.649	-	-	11.964	-	-	-	-	-	11.964
<i>Subtotal: Support Cost</i>	-	-	37.122	-	-	18.074	-	-	17.424	-	-	17.895	-	-	-	-	-	17.895
Gross/Weapon System Cost	-	-	509.637	-	-	227.882	-	-	229.728	-	-	226.965	-	-	-	-	-	226.965

Remarks:

- (1) Subsystem Integration and Test includes post production verification tests, installation, post installation checkout and test.
- (2) Technology Insertions include costs to maintain technology currency in computers, network, sensors, weapon systems, displays, and communication and data link systems.

(t) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 **P-1 Line Item Number / Title:** 1202PSP / PRECISION STRIKE PACKAGE **Item Number / Title [DODIC]:** 1 / Precision Strike Package

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
PSP Kit		2017	Various / Various	Various	Various	Apr 2017	Jun 2018	4	25.556	Y		
PSP Kit		2018	Various / Various	Various	Various	Apr 2018	Jun 2019	5	26.067	Y		
PSP Kit		2019	Various / Various	Various	Various	Apr 2019	Jun 2020	5	26.377	Y		
PSP Kit OCO	✓	2017	Various / Various	Various	Various	Apr 2017	Jun 2018	1	25.556	Y		

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 2012C130J / AC/MC-130J
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160403BB
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Line Item MDAP/MAIS Code: 0000

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	252.520	68.333	179.934	165.813	-	165.813	170.323	180.730	221.927	285.871	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	252.520	68.333	179.934	165.813	-	165.813	170.323	180.730	221.927	285.871	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	252.520	68.333	179.934	165.813	-	165.813	170.323	180.730	221.927	285.871	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	7.996	3.714	-	3.714	2.970	4.492	4.163	4.249	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The AC/MC-130J line funds the replacement of aging airframes: 14 MC-130E Combat Talon I, 23 MC-130P Combat Shadow, 20 MC-130H Talon II, 12 AC-130W Stinger II, 8 AC-130H Spectre and 17 AC-130U Spooky aircraft. These platforms perform clandestine or low visibility, single, or multi-ship low-level missions intruding politically-sensitive or hostile territory. The platforms provide air refueling for special operations helicopters and CV-22 aircraft; airdrop of leaflets, small special operations teams, resupply bundles and combat rubber raiding craft; and close air support, air interdiction, and armed reconnaissance. Additional capabilities include low-light navigation and in-flight refueling as a receiver. The Air Force procures and fields the basic aircraft, common support equipment, and trainers for USSOCOM. Designated MC-130J aircraft will be modified with kits required for Precision Strike Package (PSP) integration to achieve the AC-130J Gunship configuration. USSOCOM funds the procurement and integration of Special Operations Forces (SOF)-peculiar systems such as terrain following radar, electronic warfare and survivability systems, cargo handling provisions, variable speed refueling drogues, situational awareness systems, navigation systems, mission processors, mission automation, communication systems, beacons, electro-optical systems, minor modifications, and the infrastructure and processors supporting SOF peculiar systems. USSOCOM also funds unique publications and associated modifications to training devices. Future upgrades include, but are not limited to, intelligence, surveillance, and reconnaissance systems and weapons to the AC/MC-130J fleet. Crew stations will be modified to aid aircrew members operating the SOF-unique systems. The SOF-peculiar systems will be procured and integrated incrementally with non-recurring engineering as required for each baseline. The SOF-unique aircrew training devices for the AC/MC-130J weapons systems are also included in this program. This program received Overseas Contingency Operations funding in FY 2017.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs **P-1 Line Item Number / Title:** 2012C130J / AC/MC-130J

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 1160403BB

Line Item MDAP/MAIS Code: 0000

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	2 / MC-130J (Auxiliary Flight Deck Station); AC/MC-130J Special Mission System (SMS) (System Upgrade)				- / 82.619	- / 26.358	- / 41.577	- / 56.411	- / -	- / 56.411
P-3a	3 / AC/MC-130J (RF Countermeasures) (System Upgrade)				- / -	- / -	- / 55.244	- / 59.873	- / -	- / 59.873
P-3a	4 / AC-130J (PSP Retrofit) (System Upgrade)				- / 109.787	- / 34.097	- / 36.332	- / 32.629	- / -	- / 32.629
P-40a	AC/MC-130J Systems				- / 60.114	- / 7.878	- / 46.781	- / 16.900	- / -	- / 16.900
P-40	Total Gross/Weapon System Cost				- / 252.520	- / 68.333	- / 179.934	- / 165.813	- / -	- / 165.813

Exhibits Schedule					FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	2 / MC-130J (Auxiliary Flight Deck Station); AC/MC-130J Special Mission System (SMS) (System Upgrade)				- / 44.777	- / 49.846	- / 58.333	- / 58.971	Continuing	Continuing
P-3a	3 / AC/MC-130J (RF Countermeasures) (System Upgrade)				- / 46.112	- / 54.554	- / 84.441	- / 137.383	Continuing	Continuing
P-3a	4 / AC-130J (PSP Retrofit) (System Upgrade)				- / 33.954	- / 35.210	- / 24.780	- / 16.034	Continuing	Continuing
P-40a	AC/MC-130J Systems				- / -	- / -	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 170.323	- / 180.730	- / 221.927	- / 285.871	Continuing	Continuing

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2019 PROGRAM JUSTIFICATION: Procures four Auxiliary Flight Deck Station kits for the MC-130J and nine Special Mission System kits plus installs, other government costs, trainer modifications, initial spares, support and engineering for AC/MC-130J aircraft. Supports technical risk reduction and consolidation of technical data and modification for MC-130J systems which interface to the aircraft and each other through the Special Mission System. Procures seven Low Rate Initial Production (LRIP) Electronic Warfare Radio Frequency Countermeasures A Kits, and five LRIP B Kits for installation on the AC/MC-130J aircraft. Procures Special Operations Forces – unique hardware, spares, non-recurring engineering, training and program support for Airborne Mission Networking on the MC-130J. Funds integration of five MC-130J aircraft Precision Strike Package (PSP) retrofit modifications and other government costs to the AC-130J configuration. Procures AC-130J simulator block upgrades. Procures various SOF-unique modifications for MC-130J Commando II aircraft. Procures one C-130 SOF common TFTA (Silent Knight) Radar A kit.

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 2012C130J / AC/MC-130J	Modification Number / Title: 2 / MC-130J (Auxiliary Flight Deck Station); AC/MC-130J Special Mission System (SMS)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	82.619	26.358	41.577	56.411	-	56.411	44.777	49.846	58.333	58.971	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	82.619	26.358	41.577	56.411	-	56.411	44.777	49.846	58.333	58.971	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	82.619	26.358	41.577	56.411	-	56.411	44.777	49.846	58.333	58.971	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	0.730	2.500	-	2.500	1.470	3.242	4.163	4.249	Continuing	Continuing
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification program incrementally procures and integrates, onto AC/MC-130J aircraft, SOF-unique modifications necessary to correspond with the incremental upgrade strategy of the AC/MC-130J Program. The Special Mission System (SMS) program also integrates SOF-peculiar capabilities with existing aircraft controls and displays, and enable hosting of SOF mission software applications. Supports technical risk reduction and consolidation of technical data and modification for systems which interface to the aircraft and each other through the SMS. Auxiliary Flight Deck Station and SMS equipment will be installed by contractor or depot onto AC-130J and MC-130J aircraft.

Development Status/Major Development Milestones

Date	Title	Description
Nov 2014	MS C	Milestone C

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 2012C130J / AC/MC-130J	Modification Number / Title: 2 / MC-130J (Auxiliary Flight Deck Station); AC/MC-130J Special Mission System (SMS)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Models of Systems Affected: AC/MC-130J	Modification Type: System Upgrade	Related RDT&E PEs: 1160429BB, 1160403BB
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Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
RDT&E PE #												
1160429BB	- / 26.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1160403BB	- / -	- / -	- / -	- / 12.875	- / -	- / 12.875	- / 24.127	- / 53.408	- / 54.908	- / 56.006	- / -	- / 201.324

Procurement

Modification Item 1 of 2: MC-130J Auxiliary Flight Deck Station												
B Kits												
Recurring												
Aircraft Modifications	- / -	2 / 0.730	4 / 1.460	4 / 1.489	- / -	4 / 1.489	4 / 1.519	4 / 1.549	4 / 1.580	4 / 1.612	Continuing	Continuing
Subtotal: Recurring	- / -	2 / 0.730	4 / 1.460	4 / 1.489	- / -	4 / 1.489	4 / 1.519	4 / 1.549	4 / 1.580	4 / 1.612	Continuing	Continuing
Non-Recurring												
Engineering	- / -	- / 5.606	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.606
Subtotal: Non-Recurring	- / -	- / 5.606	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.606
Subtotal: MC-130J Auxiliary Flight Deck Station	- / -	2 / 6.336	4 / 1.460	4 / 1.489	- / -	4 / 1.489	4 / 1.519	4 / 1.549	4 / 1.580	4 / 1.612	Continuing	Continuing
Modification Item 2 of 2: AC/MC-130J SMS												
A Kits												
Recurring												
Aircraft Kits	11 / 43.935	7 / 17.262	8 / 23.407	9 / 29.155	- / -	9 / 29.155	8 / 26.433	8 / 26.962	8 / 27.501	7 / 24.545	Continuing	Continuing
Aircraft Modifications	4 / 2.544	1 / 0.636	9 / 8.179	9 / 8.343	- / -	9 / 8.343	9 / 8.510	8 / 7.716	8 / 7.870	8 / 8.027	Continuing	Continuing
Other Government Costs	- / 8.636	- / 2.124	- / 3.363	- / 3.063	- / -	- / 3.063	- / 3.226	- / 3.254	- / 3.252	- / 3.322	Continuing	Continuing
Subtotal: Recurring	- / 55.115	- / 20.022	- / 34.949	- / 40.561	- / -	- / 40.561	- / 38.169	- / 37.932	- / 38.623	- / 35.894	Continuing	Continuing
Non-Recurring												
Trainer Modification	- / -	- / -	- / 4.438	- / 4.333	- / -	- / 4.333	- / -	- / 2.000	- / -	- / 2.000	Continuing	Continuing
Initial Spares	- / -	- / -	- / 0.730	- / 2.500	- / -	- / 2.500	- / 1.470	- / 3.242	- / 4.163	- / 4.249	Continuing	Continuing
Support	- / -	- / -	- / -	- / 11.634	- / -	- / 11.634	- / 1.699	- / 1.767	- / 1.838	- / 1.911	Continuing	Continuing
Engineering	- / 27.504	- / -	- / -	- / 5.894	- / -	- / 5.894	- / 1.920	- / 3.356	- / 12.129	- / 13.305	Continuing	Continuing
Subtotal: Non-Recurring	- / 27.504	- / -	- / 5.168	- / 14.361	- / -	- / 14.361	- / 5.089	- / 10.365	- / 18.130	- / 21.465	Continuing	Continuing
Subtotal: AC/MC-130J SMS	- / 82.619	- / 20.022	- / 40.117	- / 54.922	- / -	- / 54.922	- / 43.258	- / 48.297	- / 56.753	- / 57.359	Continuing	Continuing
Subtotal: Procurement, All Modification Items	- / 82.619	- / 26.358	- / 41.577	- / 56.411	- / -	- / 56.411	- / 44.777	- / 49.846	- / 58.333	- / 58.971	Continuing	Continuing

Installation

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 2012C130J / AC/MC-130J	Modification Number / Title: 2 / MC-130J (Auxiliary Flight Deck Station); AC/MC-130J Special Mission System (SMS)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Models of Systems Affected: AC/MC-130J	Modification Type: System Upgrade	Related RDT&E PEs: 1160429BB, 1160403BB
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Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	82.619	26.358	41.577	56.411	-	56.411	44.777	49.846	58.333	58.971	Continuing	Continuing

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 2012C130J / AC/MC-130J			Modification Number / Title: 2 / MC-130J (Auxiliary Flight Deck Station); AC/MC-130J Special Mission System (SMS)	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 2: MC-130J Auxiliary Flight Deck Station							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Marietta, GA			
Administrative Leadtime (<i>in Months</i>): 1				Production Leadtime (<i>in Months</i>): 15			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Jul 2017	Feb 2018	Feb 2019	Feb 2020	Feb 2021	Feb 2022	Feb 2023
Delivery Dates	Oct 2018	May 2019	May 2020	May 2021	May 2022	May 2023	May 2024
Installation Information							
Method of Implementation (Organic): Original Equipment Manufacturer (OEM)/Organic					Installation Quantity: 57		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 2012C130J / AC/MC-130J			Modification Number / Title: 2 / MC-130J (Auxiliary Flight Deck Station); AC/MC-130J Special Mission System (SMS)	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 2 of 2: AC/MC-130J SMS							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Marietta, GA			
Administrative Leadtime (<i>in Months</i>): 1				Production Leadtime (<i>in Months</i>): 15			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Jul 2017	Feb 2018	Feb 2019	Feb 2020	Feb 2021	Feb 2022	Feb 2023
Delivery Dates	Oct 2018	May 2019	May 2020	May 2021	May 2022	May 2023	May 2024
Installation Information							
Method of Implementation (Organic): Modification Line					Installation Quantity: 94		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 2012C130J / AC/MC-130J	Modification Number / Title: 3 / AC/MC-130J (RF Countermeasures)
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	55.244	59.873	-	59.873	46.112	54.554	84.441	137.383	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	55.244	59.873	-	59.873	46.112	54.554	84.441	137.383	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	55.244	59.873	-	59.873	46.112	54.554	84.441	137.383	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	6.446	-	-	-	1.500	1.250	-	-	-	9.196
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification program procures and fields Radio Frequency Countermeasures (RFCM) for AC/MC-130J fleet. The RFCM Countermeasures detects, identifies and provides geo-located threat position data to the existing Situational Awareness system and display, and determines and implements appropriate response to eliminate or degrade the threat.

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command											Date: February 2018		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 2012C130J / AC/MC-130J				Modification Number / Title: 3 / AC/MC-130J (RF Countermeasures)					
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: AC/MC-130J				Modification Type: System Upgrade				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
1160403BB	- / 70.222	- / 44.818	- / 57.248	- / 26.642	- / -	- / 26.642	- / -	- / -	- / -	- / -	- / -	- / 198.930	
Procurement													
Modification Item 1 of 1: AC/MC-130J RF Countermeasures													
A Kits													
Recurring													
Aircraft Modification Low Rate Initial Procurement (LRIP)	- / -	- / -	4 / 16.158	7 / 25.403	- / -	7 / 25.403	7 / 25.403	9 / 32.661	10 / 42.070	11 / 47.665	Continuing	Continuing	
Other Government Costs	- / -	- / -	- / 10.323	- / 12.615	- / -	- / 12.615	- / 6.467	- / 1.530	- / 5.442	- / 6.038	Continuing	Continuing	
Subtotal: Recurring	- / -	- / -	- / 16.481	- / 28.018	- / -	- / 28.018	- / 31.870	- / 34.191	- / 47.512	- / 53.703	Continuing	Continuing	
B Kits													
Recurring													
Aircraft Modifications LRIP	- / -	- / -	4 / 27.312	5 / 31.855	- / -	5 / 31.855	2 / 12.742	3 / 19.113	5 / 36.929	11 / 83.680	Continuing	Continuing	
Other Government Costs	- / -	- / -	- / 11.293	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.293	
Subtotal: Recurring	- / -	- / -	- / 28.605	- / 31.855	- / -	- / 31.855	- / 12.742	- / 19.113	- / 36.929	- / 83.680	Continuing	Continuing	
Non-Recurring													
Software Integration Lab (SIL)	- / -	- / -	- / 13.712	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.712	
Training Systems	- / -	- / -	- / 16.446	- / -	- / -	- / -	- / 1.500	- / 1.250	- / -	- / -	- / -	- / 19.196	
Subtotal: Non-Recurring	- / -	- / -	- / 10.158	- / -	- / -	- / -	- / 1.500	- / 1.250	- / -	- / -	- / -	- / 12.908	
Subtotal: AC/MC-130J RF Countermeasures	- / -	- / -	- / 55.244	- / 59.873	- / -	- / 59.873	- / 46.112	- / 54.554	- / 84.441	- / 137.383	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / 55.244	- / 59.873	- / -	- / 59.873	- / 46.112	- / 54.554	- / 84.441	- / 137.383	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	-	-	55.244	59.873	-	59.873	46.112	54.554	84.441	137.383	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 2012C130J / AC/MC-130J			Modification Number / Title: 3 / AC/MC-130J (RF Countermeasures)	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 1: AC/MC-130J RF Countermeasures							
Manufacturer Information							
Manufacturer Name: BAE Systems, Inc.				Manufacturer Location: Totowa, NJ			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 23			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates		Apr 2018	Nov 2018	Nov 2019	Nov 2020	Nov 2021	Nov 2022
Delivery Dates		Mar 2020	Oct 2020	Oct 2021	Oct 2022	Oct 2023	Oct 2024
Installation Information							
Method of Implementation (Organic): Original Equipment Manufacturer (OEM)					Installation Quantity: 94		

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 2012C130J / AC/MC-130J	Modification Number / Title: 4 / AC-130J (PSP Retrofit)
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	109.787	34.097	36.332	32.629	-	32.629	33.954	35.210	24.780	16.034	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	109.787	34.097	36.332	32.629	-	32.629	33.954	35.210	24.780	16.034	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	109.787	34.097	36.332	32.629	-	32.629	33.954	35.210	24.780	16.034	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification program prepares the MC-130J aircraft for Precision Strike Package (PSP) integration. A total of 37 MC-130Js will be modified with the PSP to provide the AC-130J close air support, air interdiction, and armed reconnaissance capability in accordance with the Capability Production Document (CPD) for AC-130J. AC-130J CPD defines a 37 AC-130J aircraft program. This program received Overseas Contingency Operations funding in FY 2017.

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command										Date: February 2018			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1					P-1 Line Item Number / Title: 2012C130J / AC/MC-130J					Modification Number / Title: 4 / AC-130J (PSP Retrofit)			
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: AC-130J				Modification Type: System Upgrade				Related RDT&E PEs: 1160429BB, 1160403BB					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
1160429BB	- / 17.191	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
1160403BB	- / 9.340	- / 0.408	- / 0.403	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Procurement													
Modification Item 1 of 1: AC-130J PSP Retrofit													
A Kits													
Recurring													
Aircraft Modifications	9 / 50.282	5 / 25.117	5 / 32.281	5 / 29.875	- / -	5 / 29.875	5 / 30.473	5 / 31.082	3 / 19.022	1 / 12.935	Continuing	Continuing	
Aircraft Modifications Overseas Contingency Operations (OCO)	- / -	1 / 5.024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.024	
Other Governmental Costs	- / 22.884	- / 2.480	- / 4.051	- / 2.754	- / -	- / 2.754	- / 3.481	- / 4.128	- / 5.758	- / 3.099	Continuing	Continuing	
Other Governmental Costs OCO	- / -	- / 1.476	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.476	
Subtotal: Recurring	- / 73.166	- / 34.097	- / 36.332	- / 32.629	- / -	- / 32.629	- / 33.954	- / 35.210	- / 24.780	- / 16.034	Continuing	Continuing	
Non-Recurring													
Technology Refresh/Insertion	- / 5.893	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.893	
System Integration Lab Kit	- / 15.680	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.680	
Support Equipment	- / 15.048	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.048	
Subtotal: Non-Recurring	- / 36.621	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.621	
Subtotal: AC-130J PSP Retrofit	- / 109.787	- / 34.097	- / 36.332	- / 32.629	- / -	- / 32.629	- / 33.954	- / 35.210	- / 24.780	- / 16.034	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 109.787	- / 34.097	- / 36.332	- / 32.629	- / -	- / 32.629	- / 33.954	- / 35.210	- / 24.780	- / 16.034	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	109.787	34.097	36.332	32.629	-	32.629	33.954	35.210	24.780	16.034	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2019 United States Special Operations Command						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 2012C130J / AC/MC-130J			Modification Number / Title: 4 / AC-130J (PSP Retrofit)	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 1: AC-130J PSP Retrofit							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Lexington, KY			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 10			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Nov 2016	Nov 2017	Nov 2018				
Delivery Dates	Sep 2017	Sep 2018	Sep 2019				
Installation Information							
Method of Implementation (Organic): Modification Line						Installation Quantity: 37	

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 **P-1 Line Item Number / Title:** 2012C130J / AC/MC-130J **Aggregated Items Title:** AC/MC-130J Systems

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
1 - Mission Training Preparation Systems (MTPS)																					
1.1 / Ac-130J Simulator Prime Mission Product			7.996	1	7.996	-	-	-	35.408	1	35.408	-	-	-	-	-	-	-	-	-	
1.2 / Sumulator Block Upgrades			-	-	4.436	-	-	-	-	-	-	-	-	2.946	-	-	-	-	-	2.946	
Subtotal: 1 - Mission Training Preparation Systems (MTPS)			-	-	12.432	-	-	-	-	-	35.408	-	-	2.946	-	-	-	-	-	2.946	
2 - MC-130J Airborne Mission Networking (AbMN)																					
2.1 / Recurring Hardware			-	-	-	-	-	-	-	-	2.300	-	-	3.451	-	-	-	-	-	3.451	
2.2 / Spares			-	-	-	-	-	-	-	-	0.820	-	-	1.214	-	-	-	-	-	1.214	
2.3 / Non-Recurring Engineering, Training, and Program Management			-	-	-	-	-	-	-	-	0.209	-	-	0.223	-	-	-	-	-	0.223	
Subtotal: 2 - MC-130J Airborne Mission Networking (AbMN)			-	-	-	-	-	-	-	-	3.329	-	-	4.888	-	-	-	-	-	4.888	
3 - MC-130J Commando (Various)																					
3.1 / Recurring Hardware			-	-	23.176	-	-	7.878	-	-	8.044	-	-	8.141	-	-	-	-	-	8.141	
3.2 / Prior Year			-	-	22.521	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 3 - MC-130J Commando (Various)			-	-	45.697	-	-	7.878	-	-	8.044	-	-	8.141	-	-	-	-	-	8.141	
4 - SOF C-130 TF/TA (Silent Knight) Radar																					
4.1 / Recurring TF/TA A-Kit			-	-	-	-	-	-	-	-	-	0.925	1	0.925	-	-	-	-	0.925	1	0.925
Subtotal: 4 - SOF C-130 TF/TA (Silent Knight) Radar			-	-	-	-	-	-	-	-	-	-	-	0.925	-	-	-	-	-	0.925	
5 - Prior Year																					
5.1 / Completed Efforts			-	-	1.985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 5 - Prior Year			-	-	1.985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	60.114	-	-	7.878	-	-	46.781	-	-	16.900	-	-	-	-	-	16.900	

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 5000C13000 / C-130 MODIFICATIONS
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160427BB, 1160403BB, 1160404BB
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Line Item MDAP/MAIS Code: 0000

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,434.189	42.942	31.809	80.274	-	80.274	21.730	21.233	16.164	16.487	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,434.189	42.942	31.809	80.274	-	80.274	21.730	21.233	16.164	16.487	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,434.189	42.942	31.809	80.274	-	80.274	21.730	21.233	16.164	16.487	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	8.338	-	-	-	-	-	-	-	-	-	-	8.338
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The C-130 Modifications line item funds Special Operations Forces (SOF)-unique modifications to various SOF models of the C-130 aircraft and associated training systems. Program is comprised of modifications generated from mission performance deficiencies, logistics problems, and evaluation of emerging technologies. USSOCOM funds the procurement of SOF-peculiar systems such as electronic warfare and survivability, communication, situational awareness, training, intelligence surveillance and reconnaissance, weapons integration, and low cost modifications into the SOF C-130 fleet.

The FY 2019 funding request was reduced by \$-1.957 million to account for the availability of prior year execution balances.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA
1: Aviation Programs

P-1 Line Item Number / Title:
5000C13000 / C-130 MODIFICATIONS

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 1160427BB, 1160403BB, 1160404BB

Line Item MDAP/MAIS Code: 0000

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	C-130 Modification				- / 2,434.189	- / 42.942	- / 31.809	- / 80.274	- / -	- / 80.274
P-40	Total Gross/Weapon System Cost				- / 2,434.189	- / 42.942	- / 31.809	- / 80.274	- / -	- / 80.274

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
C-130 Modifications:

1.1 C-130 Low Cost Modifications (LCM). Minor modifications to MC-130H/J, AC-130W/U/J and EC-130J aircraft SOF-unique equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, incorporate mission enhancements, and critical safety changes. Modifications include, but are not limited to: radar upgrades, avionics and display upgrades, sensor installations and upgrades, intelligence collection and dissemination capabilities, communication systems, mechanical and electrical modifications, and weapons integration. Current projects include but are not limited to AC-130U Global Positioning System (GPS) improvements, MC-130H GPS retrofit, MC-130H Joint Threat Warning System-Air Variant permanent installation, MC-130H lightweight armor, EC-130J Tie Down, EC-130J Co-site De-confliction, AC-130J 30mm Ammunition Handling System, VHF1 Antenna Move, and MC-130H data link system integration.

FY 2019 PROGRAM JUSTIFICATION: Continues minor upgrades/modifications to SOF C-130 equipment.

1.2. Enhanced Situational Awareness (ESA). Provides C-130 SOF fleet with near-real time intelligence to include data fusion, threat detection, identification, and avoidance; electronic support measures for threat geo-location; and specific emitter identification.

1.3 C-130 Avionics Modifications. This program replaces various SOF C-130 unique avionics systems across the SOF C-130 fleet. MFP-4 funds address service-common avionics systems. Projects include but are not limited to GPS improvements.

FY 2019 PROGRAM JUSTIFICATION: Procures GPS hardening and M-Code modifications for the SOF C-130 fleet.

1.4 Simulator Block Updates (SBUD). The C-130 SBUD program sustains legacy C-130 aircrew training device capabilities by addressing concurrency, obsolescence, and fidelity training issues. The C-130 weapon systems possessing aircrew training devices include the AC-130J, AC-130U, AC-130W, EC-130J, MC-130H and MC-130J.

FY 2019 PROGRAM JUSTIFICATION: The SBUD program continues to procure modifications to C-130 aircrew training devices to sustain or improve training capabilities.

1.5 EC-130J Upgrade Modifications. This program funds the hardware and integration of SOF-unique portions of the USAF C-130J 7.0/8.1 software block cycle upgrades, airframe and aircraft infrastructure modifications.

2. EC-130J Commando Solo (CSOLO). CSOLO supports combat operations by flying Military Information Support Operations (MISO) missions for the purpose of broadcasting radio and/or television signals deep into denied territory. This program funds the de-modification of legacy CSOLO aircraft to make them SOF multi-mission capable and procurement of roll-on/roll-off Removable Airborne MISO Systems (RAMS).

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		P-1 Line Item Number / Title: 5000C13000 / C-130 MODIFICATIONS
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160427BB, 1160403BB, 1160404BB
Line Item MDAP/MAIS Code: 0000		
FY 2019 PROGRAM JUSTIFICATION: Procures a RAMS Systems Integration Lab.		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 **P-1 Line Item Number / Title:** 5000C13000 / C-130 MODIFICATIONS **Aggregated Items Title:** C-130 Modification

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - C-130 Modification																				
1.1 / Low Cost Modifications (LCM)			-	-	72.343	-	-	3.817	-	-	4.098	-	-	4.464	-	-	-	-	-	4.464
1.2 / Enhanced Situational Awareness			-	-	9.525	-	-	2.300	-	-	-	-	-	-	-	-	-	-	-	-
1.3 / Avionics Modifications			-	-	20.973	-	-	-	-	-	-	-	-	62.966	-	-	-	-	-	62.966
1.3 / Avionics Modifications Overseas Contingency Operations (OCO)			-	-	-	-	-	-	-	-	3.750	-	-	-	-	-	-	-	-	-
1.4 / Simulator Block Updates (SBUD)			-	-	32.278	-	-	13.900	-	-	12.508	-	-	11.801	-	-	-	-	-	11.801
1.5 / EC-130J Upgrades			-	-	3.861	-	-	1.988	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1 - C-130 Modification			-	-	138.980	-	-	22.005	-	-	20.356	-	-	79.231	-	-	-	-	-	79.231
2 - EC-130J Commando SOLO																				
2.1 / RAMS Hardware			-	-	6.600	-	-	-	-	-	6.966	-	-	-	-	-	-	-	-	-
2.2 / RAMS Engineering			-	-	1.649	-	-	7.484	-	-	-	-	-	-	-	-	-	-	-	-
2.3 / Demodification			-	-	4.302	-	-	13.015	-	-	4.397	-	-	-	-	-	-	-	-	-
2.4 / Program Management			-	-	0.319	-	-	0.316	-	-	0.090	-	-	-	-	-	-	-	-	-
2.5 / Data/Training			-	-	-	-	-	0.122	-	-	-	-	-	-	-	-	-	-	-	-
2.6 / Software Integration Lab			-	-	-	-	-	-	-	-	-	-	-	1.043	-	-	-	-	-	1.043
2.7 / Prior Year			-	-	12.938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2 - EC-130J Commando SOLO			-	-	25.808	-	-	20.937	-	-	11.453	-	-	1.043	-	-	-	-	-	1.043
3 - Prior Year																				
3.1 / Prior Year Funding			-	-	2,261.063	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2 / Initial Spares			-	-	8.338	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3 - Prior Year			-	-	2,269.401	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	2,434.189	-	-	42.942	-	-	31.809	-	-	80.274	-	-	-	-	-	80.274

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 2: Shipbuilding	P-1 Line Item Number / Title: 2010US / UNDERWATER SYSTEMS
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160483BB
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	82.438	42.840	92.606	136.723	-	136.723	75.126	40.817	24.017	22.609	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	82.438	42.840	92.606	136.723	-	136.723	75.126	40.817	24.017	22.609	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	82.438	42.840	92.606	136.723	-	136.723	75.126	40.817	24.017	22.609	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	3.300	2.419	8.685	7.372	-	7.372	2.798	-	-	-	-	24.574
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Underwater Systems line item procures dry and wet combat submersibles, modifications, field changes to the Dry Deck Shelter (DDS), and various systems and components for Special Operations Forces (SOF) Combat Diving. Current acquisition procurement programs of record are the Shallow Water Combat Submersible (SWCS) program, Dry Combat Submersible (DCS), SOF Combat Diving and Dry Deck Shelter (DDS). SWCS is the next generation free-flooding combat submersible that transports SOF personnel and their combat equipment in hostile waters for a variety of missions. SOF units require specialized underwater systems that improve their warfighting capability and survivability in harsh operating environments. The Dry Combat Submersibles (DCS) will provide the capability to insert and extract SOF and/or payloads into denied areas from strategic distances. The program is structured to minimize technical, cost, and schedule risks by leveraging commercial technologies, procedures, and classing methods to achieve an affordable DCS. SOF Combat Diving systems support the unique requirements impacting fully equipped operators while conducting underwater, real-world missions. Other examples of underwater systems and maritime equipment include, but may not be limited to, underwater navigation, diving equipment, and underwater propulsion systems. Systems and equipment are used in the conduct of infiltration/extraction, reconnaissance, beach obstacle clearance, and other missions. The capabilities of submersible systems and unique equipment provides small, highly trained forces the ability to successfully engage the enemy and conduct operations associated with SOF maritime missions.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 2: Shipbuilding **P-1 Line Item Number / Title:** 2010US / UNDERWATER SYSTEMS

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 1160483BB

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Category - Underwater Systems / 1 - Dry Deck Shelter				- / 22.278	- / 6.925	- / 6.419	- / 24.482	- / -	- / 24.482
P-40a	Category - Underwater Systems / 2 - Shallow Water Combat Submersible (SWCS)				- / 51.942	- / 34.763	- / 38.763	- / 46.947	- / -	- / 46.947
P-40a	Category - Underwater Systems / 3 - Dry Combat Submersible (DCS)				- / -	- / -	- / 46.820	- / 63.721	- / -	- / 63.721
P-40a	Category - Underwater Systems / 4 - SOF Combat Diving				- / -	- / 1.152	- / 0.604	- / 1.573	- / -	- / 1.573
P-40a	Category - Underwater Systems / Prior Years				- / 8.218	- / -	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 82.438	- / 42.840	- / 92.606	- / 136.723	- / -	- / 136.723

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title / Category Title when only P-40a Categories are shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

1. DDS: The DDS is a certified diving system that attaches to modified host submarines. Program provides certification, field changes, and modifications for the DDS.

FY 2019 PROGRAM JUSTIFICATION: Procures minor modification efforts and field changes to the current class of six DDSs that are in service with the U.S. Navy. Funding continues engineering design, fabrication, assembly, acceptance, and testing for field change kits. Includes changes for relocation of equipment inside the DDS hangar to accommodate SWCS, also includes field changes for items such as camera replacements, gauge replacements, mechanical quieting, lighting upgrades, and other general field changes to support deficiency resolution.

2. SWCS: Shallow Water Combat Submersible (SWCS) is a free-flooding combat submersible mobility platform suitable for transporting and deploying SOF and their payloads for a variety of SOF missions. SWCS will be deployable from a Dry Deck Shelter (DDS), surface ships, and land.

FY 2019 PROGRAM JUSTIFICATION: Purchases three SWCS vehicles and support equipment, Government Furnished Equipment (GFE) (batteries and trailers), detachment deployment packages, engineering change proposals (ECO), and initial spares.

3. DCS: The DCS provides SOF with a dry diver lock-in and lock-out capability that transports personnel and their combat equipment in hostile waters for a variety of missions.

FY 2019 PROGRAM JUSTIFICATION: Purchases one DCS vehicle, initial spares, GFE, ECO and Mid-Water Column Lock-in/Lock-out (MWC Li/Lo) capability.

4. SOF Combat Diving: This program provides for procurement and transition of SOF peculiar diving technologies for the SOF combat diver while conducting underwater, real-world missions.

FY 2019 PROGRAM JUSTIFICATION: Procures ten diver environmental protection items.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 2 **P-1 Line Item Number / Title:** 2010US / UNDERWATER SYSTEMS **Aggregated Items Title:** Underwater Systems

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - Dry Deck Shelter																				
1.1 / Minor Modifications/Field Changes			-	-	22.278	-	-	6.925	-	-	6.419	-	-	24.482	-	-	-	-	-	24.482
Subtotal: 1 - Dry Deck Shelter			-	-	22.278	-	-	6.925	-	-	6.419	-	-	24.482	-	-	-	-	-	24.482
2 - Shallow Water Combat Submersible (SWCS)																				
2.1 / Craft Systems			-	-	-	-	-	-	15.300	2	30.600	14.435	3	43.305	-	-	-	14.435	3	43.305
2.2 / Gov't Furnished Equipment (GFE)/ Engineering Change Proposals (ECO) & Detachment Deployment Packages			-	-	18.442	-	-	2.144	-	-	1.903	-	-	0.970	-	-	-	-	-	0.970
2.3 / Low Rate Initial Production (LRIP)			15.100	2	30.200	15.100	2	30.200	-	-	-	-	-	-	-	-	-	-	-	-
2.4 / Initial Spares			-	-	3.300	-	-	2.419	-	-	6.260	-	-	2.672	-	-	-	-	-	2.672
Subtotal: 2 - Shallow Water Combat Submersible (SWCS)			-	-	51.942	-	-	34.763	-	-	38.763	-	-	46.947	-	-	-	-	-	46.947
3 - Dry Combat Submersible (DCS)																				
3.1 / Craft System & Minor Modifications			-	-	-	-	-	-	44.395	1	44.395	45.329	1	45.329	-	-	-	45.329	1	45.329
3.2 / Initial Spares			-	-	-	-	-	-	-	-	2.425	-	-	4.700	-	-	-	-	-	4.700
3.3 / GFE/ECO/MWC/ LiLo			-	-	-	-	-	-	-	-	-	-	-	13.692	-	-	-	-	-	13.692
Subtotal: 3 - Dry Combat Submersible (DCS)			-	-	-	-	-	-	-	-	46.820	-	-	63.721	-	-	-	-	-	63.721
4 - SOF Combat Diving																				
4.1 / SOF Combat Diving			-	-	-	0.072	16	1.152	0.050	12	0.604	0.157	10	1.573	-	-	-	0.157	10	1.573
Subtotal: 4 - SOF Combat Diving			-	-	-	-	-	1.152	-	-	0.604	-	-	1.573	-	-	-	-	-	1.573
Prior Years																				
5 / Prior Years			-	-	8.218	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Prior Years			-	-	8.218	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	82.438	-	-	42.840	-	-	92.606	-	-	136.723	-	-	-	-	-	136.723

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 3: Ammunition Programs	P-1 Line Item Number / Title: 0203ORD / ORDNANCE ITEMS <\$5M
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB, 1160481BB
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	552.667	156.537	174.974	357.742	100.850	458.592	258.504	169.022	170.510	178.890	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	552.667	156.537	174.974	357.742	100.850	458.592	258.504	169.022	170.510	178.890	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	552.667	156.537	174.974	357.742	100.850	458.592	258.504	169.022	170.510	178.890	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds ordnance items, munitions, small caliber, medium caliber, and large caliber ammunition, demolitions, pyrotechnics, explosive initiation devices, underwater munitions, grenades, foreign weapons and ammunition, air delivered munitions, precision guided munitions, shoulder fired munitions and rockets for Special Operations Forces (SOF). Ammunition provided will allow SOF components to accomplish the required annual training, support required combat missions, and build toward the required war reserve quantities.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 3: Ammunition Programs	P-1 Line Item Number / Title: 0203ORD / ORDNANCE ITEMS <\$5M
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB, 1160481BB
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	ORDNANCE ITEMS <\$5M				- / 552.667	- / 156.537	- / 174.974	- / 357.742	- / 100.850	- / 458.592
P-40	Total Gross/Weapon System Cost				- / 552.667	- / 156.537	- / 174.974	- / 357.742	- / 100.850	- / 458.592

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

1. Air Delivered Munitions. Program provides AC-130 gunship munitions to include several tactical and training configurations of the 105mm, 30mm, and fuzes, including the associated safety certification, Insensitive Munitions (IM) qualification, production engineering and transportation.

FY 2019 PROGRAM JUSTIFICATION: Procures and qualifies air delivered ammunition to meet mission requirements required to maintain AC-130 Gunship crew mission-related readiness skills and provides combat mission support. Procures several tactical and training configurations of 105mm and 30mm ammunition and fuzes. Replenishes munitions expended in real-world events and training. Actual quantities vary depending on training requirements.

2. Small Caliber Bullets. Provides barrel launched munitions including the associated safety certification, IM qualification, production engineering and transportation. Provides several tactical and training configurations of U.S. and non-standard foreign munitions, weapons and related equipment, in calibers of 4.6mm, 5.45mm, 5.56mm, 6.5mm, .260, 7.62mm, .300, .338, 9mm, .357, .380, .40, .44, .45, .50, 12.7mm, 14.7mm, 12 gauge, 25mm, 40mm, 60mm, 64mm, 66mm, 81mm, 84mm, 105mm, 4.2", 107mm, 120mm, 155mm, rocket propelled grenades and other calibers as required.

FY 2019 PROGRAM JUSTIFICATION: Funding procures the following munitions: Handgun, Rifle, Sniper Rifle, and Machine Gun (all types of 5.56mm, 7.62mm, 40mm, .300 WM, .50 Caliber, .260, 6.5MM, .300NM, and .338NM); replenishes munitions expended in real-world events and training. Procures various types of Non-Standard foreign ammunition. Actual quantities vary depending on training requirements.

3. Demolition, Breaching and Pyrotechnics. Provides Demolition, Breaching and Pyrotechnics munitions including the associated safety certification, IM qualification, production engineering and transportation. Provides several tactical and training configurations of munitions and related equipment of explosively formed penetrators, conical shape charges, linear shaped charges, diversionary devices, demolition hand grenades, breaching devices, explosives, firing devices, underwater munitions, flares, signaling devices, along with tools, equipment, and attaching devices for constructing and emplacing a variety of demolition charges and other munitions as required. This program received Overseas Contingency Operations funding in FY 2017.

FY 2019 PROGRAM JUSTIFICATION: Procures grenades (offensive/smoke), training devices, a variety of demolition materiel consisting of explosives, firing devices, and accessories. Replenishes munitions expended in real-world events and training. Actual quantities vary depending on training requirements.

4. Shoulder Fired Munitions and Rockets. Provides shoulder-fired munitions, launchers, and rockets including the associated safety certification, IM qualification, production engineering and transportation. Provides tactical and training configurations of munitions and related equipment providing armored vehicle destruction, bunker and hardened facility destruction, soft target destruction, fire from enclosure, anti-personnel, smoke obscuration, visible and infrared illumination, as well as sub-caliber training devices with back blast simulation. These systems give SOF extended range fires to operate where no artillery, mortar, or armor support is available.

FY 2019 PROGRAM JUSTIFICATION: Replenishes shoulder-fired munitions and rockets expended in real-world events and training. Actual quantities vary depending on training requirements.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 3: Ammunition Programs		P-1 Line Item Number / Title: 0203ORD / ORDNANCE ITEMS <\$5M
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB, 1160481BB
Line Item MDAP/MAIS Code: N/A		
<p>5. Stand-Off Precision Guided Munitions (SOPGM). Provides Precision Guided Munitions including the associated safety certification, IM qualification, production engineering, transportation, and provides for the integration of service-common and SOF-unique SOPGM munitions onto SOF platforms to support armed over-watch capability on the battlefield. This program received Overseas Contingency Operations (OCO) funding in FY 2017. This program is a DOD high interest item.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures 2,352 air-delivered and maritime delivered SOPGMs.</p> <p>FY 2019 OCO PROGRAM JUSTIFICATION: Procures replenishment of Precision Munitions, 329 Griffin Missiles, 476 Small Glide Munitions, modifies 84 Laser Small Diameter Bombs and Precision Guided Munitions (PGM) Maritime systems. This program is a high DoD interest program.</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 3 **P-1 Line Item Number / Title:** 0203ORD / ORDNANCE ITEMS <\$5M **Aggregated Items Title:** ORDNANCE ITEMS <\$5M

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1. Air Delivered Munitions																				
1a / 105MM			608.40	47,400	28.838	655.52	3,353	2,198	668.63	30,791	20.588	760.00	30,922	23.501	-	-	-	760.00	30,922	23.501
1b / 25MM			58.43	182,600	10.670	-	-	-	64.03	46,853	3.000	-	-	-	-	-	-	-	-	-
1c / 30MM			54.49	601,000	32.749	55.12	301,977	16.645	17.15	233,236	4.000	150.00	229,186	34.378	-	-	-	150.00	229,186	34.378
1d / Prior Years Funding			268.82	200,498	53.898	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1e / Prior Years Funding - OCO			513.25	20,982	10.769	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1. Air Delivered Munitions			-	-	136.924	-	-	18.843	-	-	27.588	-	-	57.879	-	-	-	-	-	57.879
2. Small Caliber Bullets																				
2a / 40MM			43.60	85,499	3.728	128.10	9,445	1,210	44.71	7,000	0.313	42.19	8,177	0.345	-	-	-	42.19	8,177	0.345
2b / Shotgun Ammunition			2.46	79,960	0.197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2c / Handgun Ammunition			0.42	110,083	0.046	-	-	-	0.49	350,000	0.171	0.50	400,000	0.200	-	-	-	0.50	400,000	0.200
2d / Rifle Ammunition			1.70	22,667,058	38.534	1.67	6,247,904	10.434	1.48	6,000,000	8.856	1.49	6,920,000	10.311	-	-	-	1.49	6,920,000	10.311
2e / Machine-Gun Ammunition			2.32	19,768,103	45.862	2.29	7,411,790	16.973	2.28	6,300,000	14.354	2.27	7,346,724	16.677	-	-	-	2.27	7,346,724	16.677
2f / Foreign Ammunition			1.16	8,783,898	10.180	1.14	3,264,035	3.721	1.13	3,000,000	3.394	1.13	3,489,473	3.943	-	-	-	1.13	3,489,473	3.943
2g / Prior Years - Overseas Contingency Operations			1.70	281,176	0.478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2. Small Caliber Bullets			-	-	99.025	-	-	32.338	-	-	27.088	-	-	31.476	-	-	-	-	-	31.476
3. Demolition, Breaching, and Pyrotechnics																				
3a / Grenade Offensive/ Smoke (All Types)			174.21	73,531	12.810	277.90	21,845	6,071	109.40	30,000	3.282	109.00	49,753	5.423	-	-	-	109.00	49,753	5.423
3b / Training Devices			214.41	7,663	1.643	221.51	2,324	0.515	202.11	9,000	1.819	202.00	14,942	3.018	-	-	-	202.00	14,942	3.018
3c / Explosives, Firing Devices, and Accessories			119.89	157,135	18.839	213.00	78,065	16.628	215.06	111,700	24.022	214.10	185,458	39.707	-	-	-	214.10	185,458	39.707
3d / Flares - Two Burst - Overseas Contingency Operations (OCO)			-	-	-	600.00	15,000	9.000	-	-	-	-	-	-	-	-	-	-	-	-
3e / Flares - XM216E5 - OCO			-	-	-	-	-	-	285.00	28,140	8.020	-	-	-	-	-	-	-	-	-
3f / Flares - XM219 - OCO			-	-	-	-	-	-	425.00	14,070	5.980	-	-	-	-	-	-	-	-	-
Subtotal: 3. Demolition, Breaching, and Pyrotechnics			-	-	33.292	-	-	32.214	-	-	43.123	-	-	48.148	-	-	-	-	-	48.148

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 3 **P-1 Line Item Number / Title:** 0203ORD / ORDNANCE ITEMS <\$5M **Aggregated Items Title:** ORDNANCE ITEMS <\$5M

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
4. Shoulder-Fired Munitions and Rockets																				
4a / Shoulder-Fired Munitions			1,712.62	16,028	27.450	-	-	-	1,721.21	2,121	3.650	1,737.42	5,080	8.826	-	-	-	1,737.42	5,080	8.826
4b / Rockets			1,456.16	10,218	14.879	-	-	-	-	-	-	1,758.93	1,527	2.686	-	-	-	1,758.93	1,527	2.686
4c / Engineering Support			-	-	-	-	-	0.129	-	-	-	-	-	-	-	-	-	-	-	-
4d / Prior Years Funding			-	-	5.654	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4. Shoulder-Fired Munitions and Rockets			-	-	47.983	-	-	0.129	-	-	3.650	-	-	11.512	-	-	-	-	-	11.512
5. Stand-Off Precision Guided Munitions (SOPGM)																				
5a / SOPGM			98,124.01	1,653	162.199	89,951.75	228	20.509	89,826.71	277	24.882	88,744.47	2,352	208.727	-	-	-	88,744.47	2,352	208.727
5b / SOPGM - Overseas Contingency Operations (OCO)			95,369.79	768	73.244	80,527.61	652	52.504	101,763.36	478	48.643	-	-	-	-	-	-	-	-	-
5c / Precision Munitions - OCO			-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.700	-	-	24.700
5d / Griffin Missiles - OCO			-	-	-	-	-	-	-	-	-	-	-	-	89,528.88	329	29.455	89,528.88	329	29.455
5e / Small Glide Munition - OCO			-	-	-	-	-	-	-	-	-	-	-	-	92,451.68	476	44.007	92,451.68	476	44.007
5f / Laser Small Diameter Bombs Modification - OCO			-	-	-	-	-	-	-	-	-	-	-	-	32,000.00	84	2.688	32,000.00	84	2.688
Subtotal: 5. Stand-Off Precision Guided Munitions (SOPGM)			-	-	235.443	-	-	73.013	-	-	73.525	-	-	208.727	-	-	100.850	-	-	309.577
Total			-	-	552.667	-	-	156.537	-	-	174.974	-	-	357.742	-	-	100.850	-	-	458.592

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 1160405BB	Other Related Program Elements: 1160405BB
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,532.005	104.080	94.538	85.699	16.500	102.199	99.067	105.269	115.679	121.879	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,532.005	104.080	94.538	85.699	16.500	102.199	99.067	105.269	115.679	121.879	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,532.005	104.080	94.538	85.699	16.500	102.199	99.067	105.269	115.679	121.879	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	28.682	1.472	1.385	0.994	-	0.994	0.981	0.958	0.976	0.996	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This P-1 line item is part of the Military Intelligence Program. This line item provides for the identification, development, and testing of Special Operations Forces (SOF) intelligence equipment to identify and eliminate deficiencies in providing timely intelligence to deployed forces. Sub-projects address the primary areas of intelligence dissemination, sensor systems, integrated threat warning to SOF mission platforms, and tactical exploitation of national system capabilities. The systems procured in this line item are Joint Threat Warning System (JTWS); Special Operations Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA); Tactical Local Area Network (TACLAN); Hostile Forces-Tagging, Tracking, and Locating (HF-TTL); Medium Altitude Intelligence Surveillance and Reconnaissance (ISR); Special Operations Command, Research, Analysis and Threat Evaluation System (SOCRATES); Sensitive Site Exploitation (SSE), Integrated Survey Program (ISP); and Special Operations Forces Planning, Rehearsal, and Execution Preparation (SOPREP).

U.S. Special Operations Command (USSOCOM) has developed an overall strategy to ensure that Command, Control, Communications, Computers, and Intelligence (C4I) systems continue to provide SOF with the required capabilities into the 21st century. USSOCOM's C4I programs are comprised of an integrated network of systems providing positive command and control and the timely exchange of intelligence and threat warning to all organizational echelons. The C4I systems that support this architecture employ the latest standards and technology by transitioning from separate systems to full integration with the SOF Information Environment (SIE). The SIE allows SOF elements to operate with any force combination in multiple environments. The intelligence programs funded in this line item will meet annual emergent requirements and are grouped by the level of organizational element they support: Operational Element (Team) and Above Operational Element (Garrison).

The FY 2019 funding request was reduced by \$-1.354 million to account for the availability of prior year execution balances.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 1160405BB	Other Related Program Elements: 1160405BB
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Category - Intelligence Systems / 1 - Joint Threat Warning Systems				- / 275.102	- / 44.797	- / 45.620	- / 39.915	- / -	- / 39.915
P-40a	Category - Intelligence Systems / 2 - Tactical Video System/ Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA)				- / 93.026	- / 4.115	- / 15.761	- / 5.734	- / 16.500	- / 22.234
P-40a	Category - Intelligence Systems / 3 - Tactical Area Local Network				- / 30.366	- / 2.344	- / 2.923	- / 2.470	- / -	- / 2.470
P-40a	Category - Intelligence Systems / 4 - Hostile Forces Tagging, Tracking, and Locating				- / 338.745	- / 19.179	- / 18.993	- / 18.686	- / -	- / 18.686
P-40a	Category - Intelligence Systems / 5 - Medium Altitude Intelligence Surveillance and Reconnaissance (ISR)				- / 14.000	- / 22.000	- / -	- / -	- / -	- / -
P-40a	Category - Intelligence Systems / 6 - Special Operations Research, Analysis and Threat Evaluation System (SOCRATES)				- / 65.909	- / 8.272	- / 8.270	- / 8.189	- / -	- / 8.189
P-40a	Category - Intelligence Systems / 7 - Sensitive Site Exploitation (SSE)				- / 46.702	- / 2.580	- / 2.443	- / 6.872	- / -	- / 6.872
P-40a	Category - Intelligence Systems / 8 - Integrated Survey Program (ISP)				- / 1.338	- / 0.267	- / -	- / -	- / -	- / -
P-40a	Category - Intelligence Systems / 9 - Special Operations Forces Planning, Rehearsal, and Execution Preparation (SOPREP)				- / 0.250	- / 0.526	- / 0.528	- / 3.833	- / -	- / 3.833
P-40a	Category - Intelligence Systems / 10 - Prior Year				- / 666.567	- / -	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 1,532.005	- / 104.080	- / 94.538	- / 85.699	- / 16.500	- / 102.199

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title / Category Title when only P-40a Categories are shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
OPERATIONAL ELEMENT (TEAM)

1. JTWS. This program is an evolutionary acquisition program effort. The JTWS SoS enables the SOF Cryptologic Operator (SCO) to collect, process, locate and exploit threat communications signals of interest in order to provide timely, relevant, and responsive intelligence, cross-cueing, and threat avoidance information directly to the SOF Commanders. The JTWS SoS is assembled in four variants (level 1): Ground SIGINT Kit (GSK) variant, Maritime variant, Air variant (AVS) and Unmanned Air System (UAS) variant. Each kit is further subdivided into a functional layer: (level 2): Communications Intelligence, Electronic Intelligence, and Precision Geo-location (PGL) kits and an implementation layer (level 3) designed around the SCO mission environment and SOF platform specific requirements. The contracting strategy uses a mixture of full and open competition for prime integrators and indefinite delivery/indefinite quantity contracts for Commercial off-the-shelf (COTS) procurement with new development only as necessary.

FY 2019 PROGRAM JUSTIFICATION: Funds the capital equipment replacement program (CERP) of 25 GSK kit variants, CERP of 17 AVS variants, 1 PGL ground system kit, CERP of 7 PGL ground systems kits, 1 PGL Air kit, CERP of 1 Team Transportable Enhanced Technical Insertion, 2 Unmanned Aerial Collection Systems, 4 Maritime variants, initial training and spares.

2. TVS/RSTA. This program provides SOF with critical Special Reconnaissance equipment that directly supports the planning and execution of SOF missions. This capability allows the SOF warfighter to meet SOF SR mission requirements to find, fix, finish, exploit, analyze, and disseminate information of adversary's movement, construct, identification, location; and associated things and activities. TVS/RSTA provides Global Combatant Commanders (GCCs) and SOF operators with an immediate capability to visually and electronically acquire people, things, and activities and provides actionable intelligence for SOF planners and Commanders. The TVS/RSTA program consists of a Family of Systems (FoS) that employs an evolutionary acquisition strategy for Evolutionary Technology Insertions (ETI) (supplemented

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 1160405BB	Other Related Program Elements: 1160405BB
Line Item MDAP/MAIS Code: N/A		
<p>with commodity procurement) enhance the performance of specific kits. These ETI modifications vary in both cost and quantity. The FoS consists of interoperable equipment to capture and transfer near-real-time ground-based, tactical day/night/reduced visibility, imagery, video, and electronic proximity and movement sensing, all capable of dissemination through SOF organic, global C4I, and commercial communications infrastructures. Kits are type designated as RSTA or TVS Mission Kits. RSTA kits are operationally configured as Sensor Kits; Tactical Reconnaissance (RECCE) Kit; Remote Observation Post (ROP); Unattended Ground Sensors/Unattended Maritime Sensors (UGS/UMS); and Austere Location Force Protection Kits (ALFPK).</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures 20 Sensor Kits, 45 RECCE Kits, 5 ROP Kits, 23 TVS Kits, and 2 Maritime TVS/RSTA Kits.</p> <p>FY 2019 Overseas Contingency Operations (OCO) PROGRAM JUSTIFICATION: Procures 22 Austere Location Force Protection Kits (ALFPK).</p> <p>3. TACLAN. Provides SOF operational commanders and forward deployed forces advanced automated data processing and display capabilities, facilitating the interchange of classified and unclassified information to support situational awareness, mission planning, rehearsal, and execution, and C2 of forces in tactical environments. The program consists of information technology hardware, software and ancillary equipment, including network servers, routers, switches, storage and computing end user devices, as well as common and specialized user applications. The family of systems are mobile, modular and size configurable to suit peculiar mission needs that support SOF users from the individual to the Special Operations Task Force (SOTF) echelon.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures CERP of 14 TACLAN suites and ancillary equipment.</p> <p>4. HF-TTL. This program provides SOF with critical tools to enhance situational awareness for the planning and execution of SOF missions. This capability allows the SOF warfighter to find, fix, and finish terrorist networks through the emplacement of sophisticated tags and devices that feed into an integrated architecture. HF-TTL provides GCCs and SOF operators with an immediate capability to tag, track, and locate people, things and activities. The HF-TTL program provides actionable intelligence for SOF planners. The Mission Sets are comprised of a mix of different classes of tags and their associated detection, interrogation, viewing, tracking, and communications systems that are fielded annually to each SOF Component and Theater Special Operations Command (TSOC) based upon dynamic and emergent SOF operational requirements.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures 16 mission sets.</p> <p>5. Medium Altitude ISR (MAISR). This program procures MAISR Aircraft to meet critical ISR needs. Specific details can be provided under separate cover. This program received OCO funding in FY 2017.</p> <p>ABOVE OPERATIONAL ELEMENT (GARRISON)</p> <p>6. SOCRATES. This program is the SOF extension of the Joint Worldwide Intelligence Communications System network and is used to develop, acquire and support garrison automated intelligence system requirements for SOF organizations worldwide. It provides the capabilities to exercise command and control, planning, collection, collaboration, data processing, video mapping, a wide-range of automated intelligence analysis, direction, intelligence dissemination, imagery tools and applications, to include secondary imagery dissemination, as well as news and message traffic. The system ensures intelligence support to mission planning and the intelligence preparation of the battle space by connecting numerous data repositories while maintaining information assurance. The system supports Headquarters USSOCOM, its component commands, TSOCs and forward based SOF units. SOCRATES is composed of state-of-the-art networking devices (firewalls, routers, switches, hubs, and modems), servers, storage devices, workstations, associated peripherals and government-off-the-shelf /commercial-off-the-shelf software.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures evolutionary technology insertion, Mission Support Center relocation, and Global Messaging/Counter Messaging Software/Hardware.</p> <p>7. SSE. This program provides the capability to exploit personnel, documents, electronic data, material, and forensic evidence on sensitive sites/objectives. Biometrics kits allows collection and transmission of unique, measurable biometric signatures from personnel, including live/latent fingerprints, iris patterns, and facial features. It also provides a means to verify against and enroll subjects into the DOD authoritative database, and to query that database to support hold or release decisions. Forensic kits enable on-objective linking of events to specific persons through chemical analysis, latent fingerprints, cell phones and computer data analysis, and DNA collection. Exploitation Analysis Centers (EACs) provide theater-level forensic laboratory capabilities for more in-depth exploitation of captured evidence.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 1160405BB	Other Related Program Elements: 1160405BB
Line Item MDAP/MAIS Code: N/A		
FY 2019 PROGRAM JUSTIFICATION: Procures 2 Forensic Exploitation Analysis Center equipment, CERP of 62 forensic exploitation kits, and 790 Biometric Devices.		
8. ISP. This program collects and produces current, detailed, tactical planning data to support military operations to counter threats against U.S. citizens, interests, and property located both domestic and overseas. ISP products are specifically tailored packages that provide operational information as well as intelligence data for use by DOD and the U.S. Department of State to support operational planners for counter-terrorism operations, evacuations, and other rescue missions.		
9. SOFPREP. This program serves as the intelligence focal point for production of SOF enhanced Geospatial Intelligence (GEOINT) (maps, imagery, and terrain data) and 3D scene visualization databases. SOFPREP gathers, processes, exploits, disseminates and manages classified high resolution 3D databases and GEOINT data in support of SOF training, mission rehearsal and execution systems. The program builds the SOF common geospatial environment and manages the authoritative database of SOF-specific GEOINT terrain data. SOFPREP is a NGA-certified co-producer in support of time-sensitive SOF-specific requirements.		
FY 2019 PROGRAM JUSTIFICATION: Acquire emerging COTS datasets to incorporate with NTM into geospecific 3D scene visualizations.		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 **P-1 Line Item Number / Title:** P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS **Aggregated Items Title:** Intelligence Systems

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - Joint Threat Warning Systems																				
1.1 / Ground SIGNIT KIT (GSK) Variant - Capital Equipment Replacement Program (CERP)			-	-	80.969	0.453	23	10.426	0.723	18	13.013	0.449	25	11.233	-	-	-	0.449	25	11.233
1.2 / Air Variant (AVS) - CERP			-	-	32.170	0.140	30	4.197	0.130	33	4.285	0.192	17	3.270	-	-	-	0.192	17	3.270
1.3 / Precision Geo Location (PGL) Ground Kits			-	-	38.274	2.319	4	9.275	2.200	1	2.200	2.202	1	2.202	-	-	-	2.202	1	2.202
1.4 / PGL Ground - CERP			-	-	51.127	1.976	5	9.882	2.052	7	14.367	1.889	7	13.224	-	-	-	1.889	7	13.224
1.5 / PGL Air			-	-	3.325	1.300	1	1.300	1.300	1	1.300	1.300	1	1.300	-	-	-	1.300	1	1.300
1.6 / Team Transportable Varant (TTV) - CERP Enhanced Technical Insertions (ETI)			-	-	0.020	-	-	0.010	2.474	1	2.474	0.982	1	0.982	-	-	-	0.982	1	0.982
1.7 / Unmanned Aerial Collection Systems			-	-	1.265	0.121	2	0.243	0.124	2	0.248	0.126	2	0.252	-	-	-	0.126	2	0.252
1.8 / Maritime Variant			-	-	-	1.550	5	7.751	2.034	3	6.102	1.552	4	6.208	-	-	-	1.552	4	6.208
1.9 / Prior Year Funding			-	-	13.920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.10 / GSK - Initial Training			-	-	1.013	-	-	0.115	-	-	0.117	-	-	0.119	-	-	-	-	-	0.119
1.11 / GSK Spares			-	-	9.117	-	-	0.551	-	-	0.463	-	-	-	-	-	-	-	-	-
1.12 / AVS - Initial Training			-	-	0.321	-	-	0.049	-	-	0.050	-	-	0.051	-	-	-	-	-	0.051
1.13 / AVS Spares			-	-	3.503	-	-	0.526	-	-	0.536	-	-	0.545	-	-	-	-	-	0.545
1.14 / TTV - Initial Training			-	-	0.409	-	-	0.039	-	-	0.040	-	-	0.041	-	-	-	-	-	0.041
1.15 / TTV Spares			-	-	11.110	-	-	0.049	-	-	0.033	-	-	0.090	-	-	-	-	-	0.090
1.16 / PGL Ground Initial Training			-	-	1.399	-	-	0.038	-	-	0.039	-	-	0.039	-	-	-	-	-	0.039
1.17 / PGL Spares			-	-	4.972	-	-	0.346	-	-	0.353	-	-	0.359	-	-	-	-	-	0.359
1.18 / Prior Year Funding			-	-	1.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.19 / Prior Year Funding Overseas Contingency Operations (OCO)			-	-	20.888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1 - Joint Threat Warning Systems			-	-	275.102	-	-	44.797	-	-	45.620	-	-	39.915	-	-	-	-	-	39.915
2 - Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA)																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 **P-1 Line Item Number / Title:** 020400INTL / INTELLIGENCE SYSTEMS **Aggregated Items Title:** Intelligence Systems

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
2.1 / RSTA Sensor Kit			0.050	100	5.033	0.050	26	1.300	0.037	39	1.431	0.050	20	1.000	-	-	-	0.050	20	1.000
2.2 / RSTA Tactical Reconnaissance (RECCE) Kit			-	-	-	0.070	15	1.050	0.063	17	1.069	0.070	45	3.150	-	-	-	0.070	45	3.150
2.3 / RSTA Remote Observation Post (ROP) Kit			0.131	15	1.961	-	-	-	0.014	87	1.261	0.128	5	0.640	-	-	-	0.128	5	0.640
2.4 / RSTA ROP Ancillary			-	-	-	0.018	74	1.317	-	-	-	-	-	-	-	-	-	-	-	-
2.5 / TVS Kit			-	-	-	0.030	15	0.448	-	-	-	0.030	23	0.694	-	-	-	0.030	23	0.694
2.6 / Austerse Location Force Protection Kits Overseas Contingency Operations (OCO)			-	-	-	-	-	-	0.160	75	12.000	-	-	-	0.750	22	16.500	0.750	22	16.500
2.7 / Maritime Combat TVS/RSTA Kit			-	-	-	-	-	-	-	-	-	0.125	2	0.250	-	-	-	0.125	2	0.250
2.8 / Prior Year Funding			-	-	19.614	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.9 / Prior Year Funding (OCO)			-	-	66.418	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2 - Tactical Video System/ Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA)			-	-	93.026	-	-	4.115	-	-	15.761	-	-	5.734	-	-	16.500	-	-	22.234
3 - Tactical Area Local Network																				
3.1 / PME Suites - Block II CERP			-	-	20.612	0.115	9	1.035	0.120	16	1.920	0.126	14	1.762	-	-	-	0.126	14	1.762
3.2 / Ancillary Equipment			-	-	0.827	-	-	1.309	-	-	1.003	-	-	0.708	-	-	-	-	-	0.708
3.3 / Prior Year Funding			-	-	8.927	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3 - Tactical Area Local Network			-	-	30.366	-	-	2.344	-	-	2.923	-	-	2.470	-	-	-	-	-	2.470
4 - Hostile Forces Tagging, Tracking, and Locating																				
4.1 / Mission Sets			1.356	166	225.126	1.199	16	19.179	1.187	16	18.993	1.168	16	18.686	-	-	-	1.168	16	18.686
4.2 / Prior Year Funding OCO			-	-	113.619	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4 - Hostile Forces Tagging, Tracking, and Locating			-	-	338.745	-	-	19.179	-	-	18.993	-	-	18.686	-	-	-	-	-	18.686
5 - Medium Altitude Intelligence Surveillance and Reconnaissance (ISR)																				
5.1 / Aircraft OCO			7.000	2	14.000	7.000	2	14.000	-	-	-	-	-	-	-	-	-	-	-	-
5.2 / Sensors OCO			-	-	-	2.000	4	8.000	0.000	0	0.000	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 **P-1 Line Item Number / Title:** P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS **Aggregated Items Title:** Intelligence Systems

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Subtotal: 5 - Medium Altitude Intelligence Surveillance and Reconnaissance (ISR)			-	-	14.000	-	-	22.000	-	-	-	-	-	-	-	-	-	-	-	
6 - Special Operations Research, Analysis and Threat Evaluation System (SOCRATES)																				
6.1 / Evolutionary Technology Insertions			-	-	51.434	-	-	8.272	-	-	8.270	-	-	7.188	-	-	-	-	-	7.188
6.2 / SOCRATES Mission Support Center Relocation			-	-	-	-	-	-	-	-	-	-	-	0.583	-	-	-	-	-	0.583
6.3 / Global Messaging/Counter Messaging (GMCM)			-	-	-	-	-	-	-	-	-	-	-	0.418	-	-	-	-	-	0.418
6.4 / Prior Funding			-	-	14.475	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6 - Special Operations Research, Analysis and Threat Evaluation System (SOCRATES)			-	-	65.909	-	-	8.272	-	-	8.270	-	-	8.189	-	-	-	-	-	8.189
7 - Sensitive Site Exploitation (SSE)																				
7.1 / Forensic Exploitation Analysis Center Equipment			-	-	-	0.300	2	0.600	0.312	2	0.624	0.328	2	0.656	-	-	-	0.328	2	0.656
7.2 / Forensic Exploitation Kits CERP			-	-	5.951	0.009	220	1.968	0.016	114	1.819	0.024	62	1.474	-	-	-	0.024	62	1.474
7.3 / Boimetris Devices			-	-	-	-	-	-	-	-	0.006	790	4.740	-	-	-	0.006	790	4.740	
7.4 / Prior Year Funding			-	-	40.061	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.5 / Prior Year Funding OCO			-	-	0.690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7 - Sensitive Site Exploitation (SSE)			-	-	46.702	-	-	2.580	-	-	2.443	-	-	6.872	-	-	-	-	-	6.872
8 - Integrated Survey Program (ISP)																				
8.1 / Evolutionary Technology Insertions			-	-	1.338	-	-	0.267	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 8 - Integrated Survey Program (ISP)			-	-	1.338	-	-	0.267	-	-	-	-	-	-	-	-	-	-	-	-
9 - Special Operations Forces Planning, Rehearsal, and Execution Preparation (SOFPREP)																				
9.1 / Evolutionary Technology Insertions			-	-	0.250	-	-	0.526	-	-	0.528	-	-	3.833	-	-	-	-	-	3.833
Subtotal: 9 - Special Operations Forces Planning, Rehearsal, and Execution Preparation (SOFPREP)			-	-	0.250	-	-	0.526	-	-	0.528	-	-	3.833	-	-	-	-	-	3.833
10 - Prior Year																				
10.1 / Prior Year Funding			-	-	549.154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 **P-1 Line Item Number / Title:** 020400INTL / INTELLIGENCE SYSTEMS **Aggregated Items Title:** Intelligence Systems

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
10.2 / Prior Year Funding - OCO			-	-	117.413	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 10 - Prior Year			-	-	666.567	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	1,532.005	-	-	104.080	-	-	94.538	-	-	85.699	-	-	16.500	-	102.199	

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 020401INTL / DISTRIBUTED COMMON GROUND/SURFACE SYSTEM
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 0305208BB
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Line Item MDAP/MAIS Code: 0000

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	86.880	18.146	11.042	17.863	-	17.863	16.436	13.918	15.683	17.781	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	86.880	18.146	11.042	17.863	-	17.863	16.436	13.918	15.683	17.781	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	86.880	18.146	11.042	17.863	-	17.863	16.436	13.918	15.683	17.781	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program element is part of the Military Intelligence Program (MIP). The Distributed Common Ground/Surface System Special Operations Forces (DCGS-SOF) is part of a family of systems providing Intelligence, Surveillance, and Reconnaissance Processing, Exploitation, Dissemination (PED), and analytical capabilities at the Joint Task Force level and below through a combination of reach back, forward support, and collaboration. The mission tailored infrastructure interconnects the warfighter and sensors to find and fix High Value Targets and provides a network-enabled, interoperable construct allowing continual, unimpeded sharing of intelligence data, information and services with SOF and between the Services, other national intelligence agencies, combatant commands and multi-national partners. It connects the SOF warfighter with the essential intelligence information and provides situation awareness information to the SOF leadership at all echelons. The four components of DCGS-SOF include the following: The Enterprise provides infrastructure and processing capability to allow for worldwide SOF intelligence information sharing. Full Motion Video (FMV) PED provides PED capabilities in garrison and deployed environments of manned and unmanned sensors. SILENT DAGGER provides Signals Intelligence exploitation capability in both garrison and deployed environments. The All Source Information Fusion will provide the intelligence analytical tools via a global and disconnected architecture. This program received Overseas Contingency funding in FY 2017.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 020401INTL / DISTRIBUTED COMMON GROUND/SURFACE SYSTEM
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 0305208BB
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Line Item MDAP/MAIS Code: 0000

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Distributed Common Ground/Surface System				- / 86.880	- / 18.146	- / 11.042	- / 17.863	- / -	- / 17.863
P-40	Total Gross/Weapon System Cost				- / 86.880	- / 18.146	- / 11.042	- / 17.863	- / -	- / 17.863

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2019 PROGRAM JUSTIFICATION: Capital Equipment Replacement (CERP) of 30 SILENT DAGGER Communication kits, various DCGS Enterprise Infrastructure upgrades and CERP, Advanced Analytics software, new equipment training, the CERP of Deployable/Tactical PED components, and the CERP of Garrison PED Infrastructure components.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4	P-1 Line Item Number / Title: 020401INTL / DISTRIBUTED COMMON GROUND/SURFACE SYSTEM	Aggregated Items Title: Distributed Common Ground/Surface System
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Distributed Common Ground/Surface System																				
1 / SILENT DAGGER Communication Kit CERP			0.328	15	4.914	0.377	6	2.260	0.408	8	3.267	0.239	30	7.162	-	-	-	0.239	30	7.162
2 / DCGS - SOF Enterprise Infrastructure Upgrades			-	-	10.923	-	-	3.286	-	-	0.923	-	-	2.039	-	-	-	-	-	2.039
3 / DCGS - SOF Enterprise Infrastructure Upgrades CERP			-	-	2.325	-	-	2.544	-	-	2.601	-	-	2.640	-	-	-	-	-	2.640
4 / DCGS - SOF Advanced Analytics			-	-	5.369	-	-	3.090	-	-	1.511	-	-	1.287	-	-	-	-	-	1.287
5 / New Equipment Training			-	-	0.371	-	-	2.616	-	-	0.037	-	-	1.253	-	-	-	-	-	1.253
6 / Deployable/ Tactical PED CERP			0.793	8	6.344	0.419	3	1.256	0.488	1	0.488	-	-	0.326	-	-	-	-	-	0.326
7 / Garrison PED Infrastructure CERP			1.231	8	9.850	-	-	1.294	-	-	2.215	-	-	3.156	-	-	-	-	-	3.156
8 / Deployable/ Tactical PED CERP - Overseas Contingency Operations (OCO)			-	-	-	-	-	1.800	-	-	-	-	-	-	-	-	-	-	-	-
9 / Prior Year Funding (OCO)			-	-	46.784	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Distributed Common Ground/Surface System			-	-	86.880	-	-	18.146	-	-	11.042	-	-	17.863	-	-	-	-	-	17.863
Total			-	-	86.880	-	-	18.146	-	-	11.042	-	-	17.863	-	-	-	-	-	17.863

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 0204OTHER / OTHER ITEMS <\$5M
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB, 1160402BB
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	242.104	77.231	54.592	112.117	7.700	119.817	94.206	95.898	89.320	85.302	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	242.104	77.231	54.592	112.117	7.700	119.817	94.206	95.898	89.320	85.302	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	242.104	77.231	54.592	112.117	7.700	119.817	94.206	95.898	89.320	85.302	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	1.148	0.605	0.618	-	-	-	-	-	-	-	-	2.371
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This P-1 line item provides for the procurement and associated costs of specialized equipment in the areas of Aircraft Support, Military Construction (MILCON) Collateral Equipment, Command, Control, Communications, and Computer Information and Automated Systems (C4IAS), Tactical Local Area Network (TACLAN), Special Access Program Network (SAPNET), Joint Operational Stocks (JOS), Civil Information Management Data Processing System (CIMDPS), Multi-Mission Payload System (MMP) formerly known as Long Range Broadcast Systems (LRBS), and Miscellaneous Equipment. Additionally, this P-1 line item consists of miscellaneous equipment items that do not reasonably fit in any other USSOCOM procurement line item categories and are above the \$250K threshold.

The FY 2019 funding request was reduced by \$-1.474 million to account for the availability of prior year execution balances.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA
4: Other Procurement Programs

P-1 Line Item Number / Title:
0204OTHER / OTHER ITEMS <\$5M

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 1160431BB, 1160402BB

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Other Items <\$5M				- / 242.104	- / 177.231	- / 54.592	- / 112.117	- / 7.700	- / 119.817
P-40	Total Gross/Weapon System Cost				- / 242.104	- / 177.231	- / 54.592	- / 112.117	- / 7.700	- / 119.817

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

1. Aircraft Support. This program provides various types of equipment and minor modifications required to support Special Operations Forces (SOF) fixed wing aircraft. Special Operations Wing (SOW) Support Equipment: Procures SOF-unique aircraft support equipment to satisfy SOF warfighting requirements identified by Air Force Special Operations Command flying squadrons. Supports small equipment upgrades as required. The temporary shelters and ancillary equipment provides a temporary maintenance workspace for the Army fixed wing aircraft supporting limited free fall operations at Yuma Proving Grounds, Arizona. C-27J Minor Modifications: Includes minor modifications to C-27J aircraft with SOF-unique equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, incorporate mission enhancements, and critical safety changes. Current projects include but are not limited to: procuring landing gear, overhaul of landing gear, cockpit resets and upgrades. No associated RDT&E funds.

FY 2019 PROGRAM JUSTIFICATION: Procures SOF-unique aircraft support equipment by funding small equipment parts and upgrades. Per DOD policy, and in accordance with Air Force policy, these funds reimburse the Air Force Stock Fund for SOF initial spares provisioned with Air Force Stock Fund obligation authority. Procures the replacement of aging landing gear on existing C-27J aircraft in order to refurbish existing landing gear.

2. MILCON Collateral Equipment. This program procures collateral equipment for SOF military construction facilities. No associated RDT&E funds. This program received Overseas Contingency Operations (OCO) funding in FY 2017.

FY 2019 PROGRAM JUSTIFICATION: Provides information technology equipment, video monitoring, targeting systems and other equipment above the Operation and Maintenance threshold of \$250 thousand, as well as items that are centrally managed.

3. C4IAS. Provides garrison infrastructure directly supporting the Command's global mission by providing a seamless and interoperable interface with SOF, DOD, and Service information systems. It provides the capabilities to exercise command and control (C2) and collaboration, process and share data, and facilitate mission planning and operational preparation of the battle space, connecting numerous data repositories while maintaining information assurance. Additionally, it provides the critical reach back for SOF tactically deployed local area networks/wide area networks. This program is composed of state-of-the-art automated systems (firewalls, routers, switches, hubs, modems) servers, storage devices, workstations and associated peripherals supporting a myriad of SOF user requirements, and uses a variety of off-the-shelf software and databases to ensure interoperability between SOF units.

FY 2019 PROGRAM JUSTIFICATION: Continues to acquire next generation automation systems and emerging technologies to provide new capabilities and dramatic improvements to the SOF information environment. Continues implementation of dual distributed datacenters that support the consolidation of Headquarters, USSOCOM and Component Command's Information Technology (IT) infrastructure, and Evolutionary Technology Insertion (ETI). Procures network infrastructure, audiovisual, workstations, computers, programmed expansion, integration and software.

FY2019 Overseas Contingency Operations (OCO) PROGRAM JUSTIFICATION: Extends SOFNET Services to TSOCs deployed, which is critical for coordination of all conventional forces, coalition partners and SOF.

4. TACLAN Automation Systems. Provides SOF operational commanders and forward deployed forces advanced automated data processing and display capabilities, facilitating the interchange of classified and unclassified information to support situational awareness, mission planning, rehearsal, and execution, and C2 of forces in tactical environments. The program consists of information technology hardware,

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		P-1 Line Item Number / Title: 0204OTHER / OTHER ITEMS <\$5M
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB, 1160402BB
Line Item MDAP/MAIS Code: N/A		
<p>software and ancillary equipment, including network servers, routers, switches, storage and computing end user devices, as well as common and specialized user applications. The family of systems are mobile, modular and size configurable to suit peculiar mission needs that support SOF users from the individual to the Special Operation Task Force echelon.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures Capital Equipment Replacement Program (CERP) for 21 TACLAN suites, 500 Field Computing Devices (FCDs), integration, and ancillary equipment.</p> <p>5. SAPNET. Supports multi-SAP collaboration and information exchange for mission operations. It is interoperable on SAP systems and databases, enabling secure voice, video and data communication between National/Theater SOF and select mission partners. SAPNET integrates advanced technologies and gains efficiencies through collapsing infrastructure while still supporting user growth and mission readiness.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures evolutionary technical insertions (ETIs).</p> <p>6. Joint Operational Stock (JOS). Composed of USSOCOM centrally procured and managed stocks of materiel designed to provide SOF access to immediately available equipment in support of contingency, Humanitarian Assistance/Disaster Response and training missions. The equipment contained within JOS generally falls into one of the following categories: night vision devices and optics, weapons, communications, personnel protection, and bare-base support. Bare-base support includes equipment required to provide key life support and work areas to SOF units deployed in austere locations. The JOS inventory is maintained, stored and issued through the SOF Support Activity located in Lexington, KY. The Military Liaison Element (MLE) equipment program provides for CERP and sustainment of operational and home station training sets used in direct support of the MLE mission. No associated RDT&E funds.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures newly approved equipment as well as CERP of existing capabilities within the JOS and MLE programs.</p> <p>7. CIMDPS. An automation system that assists active Civil Affairs and others engaged in civil-military operations to collect, process, analyze, maintain, mine, and deliver CI and analysis products in support of military operations.</p> <p>8. Multi-Mission Payload. Modular MISO broadcast asset capable of providing AM, FM, TV UHF/VHF, and cellular MISO broadcasts to foreign target audiences in permissive, semi-permissive, and denied environments with broadcast system integrated into long-loiter Unmanned Aerial Vehicle (UAV) and manned aircraft.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures seven MMP production systems.</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command															Date: February 2018					
Appropriation / Budget Activity / Budget Sub Activity:					P-1 Line Item Number / Title:										Aggregated Items Title:					
0300D / 02 / 4					0204OTHER / OTHER ITEMS <\$5M										Other Items <\$5M					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1. Aircraft Support																				
1a / Aircraft Modification Spares and Repair Parts - Air Force Stock Fund			-	-	1.148	-	-	0.605	-	-	0.618	-	-	0.864	-	-	-	-	-	0.864
1b / C-27J Low Cost Modifications			-	-	-	-	-	-	-	-	-	-	-	2.478	-	-	-	-	-	2.478
1c / Prior Year Funding			-	-	2.780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1. Aircraft Support			-	-	3.928	-	-	0.605	-	-	0.618	-	-	3.342	-	-	-	-	-	3.342
2. MILCON Collateral Equipment																				
2a / MILCON Collateral Equipment			-	-	32.789	-	-	21.504	-	-	9.410	-	-	22.204	-	-	-	-	-	22.204
2b / Project #P688, Camp Lemonier, Djibouti - Overseas Contingency Operations			-	-	9.642	-	-	8.895	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2. MILCON Collateral Equipment			-	-	42.431	-	-	30.399	-	-	9.410	-	-	22.204	-	-	-	-	-	22.204
3. C4 Information and Automated Systems																				
3a / Distributive Data Center Hardware			-	-	65.622	-	-	7.700	-	-	5.880	-	-	2.403	-	-	-	-	-	2.403
3b / Evolutionary Technology Insertions			-	-	-	-	-	1.890	-	-	2.145	-	-	2.167	-	-	-	-	-	2.167
3c / Classified Network Re-Engineering			-	-	22.315	-	-	4.762	-	-	4.575	-	-	21.308	-	-	-	-	-	21.308
3d / Unclassified Network Re-Engineering			-	-	9.427	-	-	7.838	-	-	8.516	-	-	11.124	-	-	-	-	-	11.124
3e / Unclassified and Classified Network Re-Engineering - Overseas Contingency Operations			-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.700	-	-	7.700
3f / Programmed Expansion			-	-	5.044	-	-	0.713	-	-	0.728	-	-	2.569	-	-	-	-	-	2.569
3g / Integration			-	-	5.022	-	-	2.172	-	-	1.995	-	-	2.004	-	-	-	-	-	2.004
3h / Global Messaging/Counter Messaging (GMCM)			-	-	-	-	-	-	-	-	-	-	-	5.588	-	-	-	-	-	5.588
Subtotal: 3. C4 Information and Automated Systems			-	-	107.430	-	-	25.075	-	-	23.839	-	-	47.163	-	-	7.700	-	-	54.863
4. Tactical Local Area Network																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 **P-1 Line Item Number / Title:** 0204OTHER / OTHER ITEMS <\$5M **Aggregated Items Title:** Other Items <\$5M

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
4a / Suites - Capital Equipment Replacement Program			0.606	53	32.120	0.558	8	4.466	0.547	16	8.750	0.454	21	9.544	-	-	-	0.454	21	9.544
4b / Ancillary Equipment			-	-	2.869	-	-	0.991	-	-	0.819	-	-	0.839	-	-	-	-	-	0.839
4c / Field Computing Devices			-	-	-	0.015	44	0.668	0.007	97	0.679	0.015	500	7.500	-	-	-	0.015	500	7.500
4d / Integration			-	-	4.009	-	-	1.321	-	-	1.633	-	-	1.309	-	-	-	-	-	1.309
4e / Prior Year Funding			-	-	0.955	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4. Tactical Local Area Network			-	-	39.951	-	-	7.446	-	-	11.881	-	-	19.192	-	-	-	-	-	19.192
5. Special Access Program Network																				
5a / Evolutionary Technology Insertion			-	-	-	-	-	0.696	-	-	0.711	-	-	0.918	-	-	-	-	-	0.918
Subtotal: 5. Special Access Program Network			-	-	-	-	-	0.696	-	-	0.711	-	-	0.918	-	-	-	-	-	0.918
6. Joint Operational Stocks																				
6a / Military Liasion Element			-	-	2.666	-	-	2.500	-	-	2.478	-	-	2.506	-	-	-	-	-	2.506
6b / Equipment - Capital Equipment Replacement Program			-	-	5.087	-	-	2.193	-	-	2.292	-	-	2.322	-	-	-	-	-	2.322
6c / Prior Year Funding - Overseas Contingency Operations			-	-	20.676	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6. Joint Operational Stocks			-	-	28.429	-	-	4.693	-	-	4.770	-	-	4.828	-	-	-	-	-	4.828
7. Civil Information Management																				
7a / Data Processing System			0.026	1	0.026	0.035	144	5.001	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7. Civil Information Management			-	-	0.026	-	-	5.001	-	-	-	-	-	-	-	-	-	-	-	-
8. Multi-Mission Payload																				
8a / Hardware / Systems Low Rate Initial Production			-	-	-	1.658	2	3.316	1.682	2	3.363	-	-	-	-	-	-	-	-	-
8b / Hardware / Systems			-	-	-	-	-	-	-	-	-	2.067	7	14.470	-	-	-	2.067	7	14.470
Subtotal: 8. Multi-Mission Payload			-	-	-	-	-	3.316	-	-	3.363	-	-	14.470	-	-	-	-	-	14.470
9. Prior Year Funding																				
9a / Prior Year Funding			-	-	19.909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 9. Prior Year Funding			-	-	19.909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 **P-1 Line Item Number / Title:** 0204OTHER / OTHER ITEMS <\$5M **Aggregated Items Title:** Other Items <\$5M

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Total			-	-	242.104	-	-	77.231	-	-	54.592	-	-	112.117	-	-	7.700	-	-	119.817

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 0204SCCS / COMBATANT CRAFT SYSTEMS
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160483BB, 1160484BB
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	476.371	46.548	23.272	7.313	-	7.313	38.433	31.372	37.854	66.617	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	476.371	46.548	23.272	7.313	-	7.313	38.433	31.372	37.854	66.617	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	476.371	46.548	23.272	7.313	-	7.313	38.433	31.372	37.854	66.617	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	2.935	-	-	-	-	-	-	-	-	-	-	2.935
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Combatant Craft Systems line item serves as the umbrella for medium and heavy combatant craft programs, sub-systems, and ancillary equipment to include prime movers and trailers. Currently, it includes Combatant Craft Medium (CCM), Combatant Craft Heavy (CCH), Riverine Craft, Combatant Craft Forward Looking Infrared (CCFLIR) program, Security Forces Assistance Craft (SFAC), and Combatant Craft Assault (CCA).

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA
4: Other Procurement Programs

P-1 Line Item Number / Title:
0204SCCS / COMBATANT CRAFT SYSTEMS

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 1160483BB, 1160484BB

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Category - Combatant Craft Systems / 1 - Combatant Craft Medium				- / 131.614	- / 22.535	- / 15.324	- / -	- / -	- / -
P-40a	Category - Combatant Craft Systems / 2 - Combatant Craft Heavy				- / 0.541	- / 17.870	- / -	- / -	- / -	- / -
P-40a	Category - Combatant Craft Systems / 3 - Riverine Craft				- / 93.134	- / 0.270	- / 0.413	- / 0.416	- / -	- / 0.416
P-40a	Category - Combatant Craft Systems / 4 - Combatant Craft Forward Looking Infrared System				- / 37.366	- / 5.873	- / 6.610	- / 6.434	- / -	- / 6.434
P-40a	Category - Combatant Craft Systems / 5 - Combatant Craft Assault				- / 114.007	- / -	- / 0.925	- / 0.463	- / -	- / 0.463
P-40a	Category - Combatant Craft Systems / Prior Year Funding				- / 99.709	- / -	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 476.371	- / 46.548	- / 23.272	- / 7.313	- / -	- / 7.313

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title / Category Title when only P-40a Categories are shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

1. CCM: The CCM is a semi-enclosed, multi-mission combatant craft for platoon-size maritime mobility in maritime denied environments. It is multi-mission capable, including Maritime Interdiction, insert / extract, and Visit, Board, Search, and Seizure (VBSS) Operations. CCM is Naval Special Warfare's (NSW) craft-of-choice for long-range, high-payload SOF mobility operations in denied environments up to high-threat. CCM has NSW's best Iron Triangle: 40 knot (kt) speed; 4 crew + 19 passengers (pax) / 10,000 pound (lb) payload; and 600 nautical miles (nm) range. CCM Mk 1 payload capacity enables inclusion of shock mitigating seats, which is critical for ride quality, operator tactical readiness, and operator health. At 60 feet long, CCM is C-17 / C-5 transportable and can launch/recover by well deck or shore based trailer.

2. CCH: The CCH program represents a family of solutions that provides platoon-size maritime surface mobility. The current CCH is the Sea, Air, Land Insertion, Observation, and Neutralization (SEALION) craft. SEALION is a fully-enclosed, climate-controlled, semi-submersible craft that operates in denied environments up to high-threat. SEALION is NSW's most versatile and survivable combatant craft and the craft-of-choice for sensitive maritime intelligence, surveillance, and reconnaissance missions and those missions requiring a prolonged presence in denied environments. Its clandestine mobility capability is only exceeded by an undersea craft. Iron Triangle: 40 kt speed; 7 crew + 12 pax / 3,300 lb payload; and 400 nm range. SEALION payload capacity enables inclusion of shock mitigating seats, which is critical for ride quality, operator tactical readiness, and operator health. At 77+ feet long, SEALION is C-17/C-5 transportable and can launch/recover by well deck or shore based mobile travel lift or crane.

3. Riverine Craft: The Riverine Craft provides the capability to insert and extract SOF in the riverine environment. The craft is capable of navigating restricted and shallow rivers, estuaries, and bays. It is also capable of carrying light organic arms and is C-130 transportable.

FY 2019 PROGRAM JUSTIFICATION: Procures one prime mover and ECPs.

4. CCFLIR: The CCFLIR program consists of a legacy CCFLIR and the CCFLIR2. The CCFLIR capability provides Special Operations Forces (SOF) with a multi-sensor, electro-optic system that enhances SOF effectiveness by improving their ability to detect, recognize, identify, range, track, and highlight objects of interest in a maritime environment. The legacy CCFLIR is under sustainment and is currently used on all NSW combatant craft. The CCFLIR2 will use technological advancements to gain significant improvements in capability such as operational range, image fusion, net-centric data sharing, information assurance, and seamless craft and combat systems integration.

FY 2019 PROGRAM JUSTIFICATION: Procures nine CCFLIR2.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		P-1 Line Item Number / Title: 0204SCCS / COMBATANT CRAFT SYSTEMS
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160483BB, 1160484BB
Line Item MDAP/MAIS Code: N/A		
<p>5. CCA: The CCA program is a National-to-Theater transition. The CCA is a combatant craft for squad-size maritime mobility operations in maritime denied environments. CCA is NSW's best craft for VBSS in maritime denied environments up to and including medium threat. It is the craft-of-choice for maritime interdiction and boarding operations because of the open deck space, maneuverability, and interoperability with an Afloat Forward Staging Base. Iron Triangle: 40 kt speed; 3 crew + 12 pax / 5,000 lb payload; and 300 nm range. At 41 feet long, CCA is air transportable by C-130 / C-17 / C-5 and can launch/recover by crane, davit, well deck, or shore based trailer.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures GFE, ECPs, prime movers, and ancillary equipment.</p>		

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 **P-1 Line Item Number / Title:** 0204SCCS / COMBATANT CRAFT SYSTEMS **Aggregated Items Title:** Combatant Craft Systems

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - Combatant Craft Medium																				
1.1 / Low Rate Initial Production (LRIP)			6.732	5	33.659	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2 / Craft System			5.462	15	81.927	5.149	4	20.594	6.480	2	12.960	-	-	-	-	-	-	-	-	-
1.3 / Prime Movers			0.345	18	6.210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4 / Government Furnished Equipment (GFE), Engineering Change Proposals (ECPs)			-	-	7.651	-	-	1.241	-	-	1.976	-	-	-	-	-	-	-	-	-
1.5 / Initial Spares			-	-	2.167	-	-	0.700	-	-	0.388	-	-	-	-	-	-	-	-	-
Subtotal: 1 - Combatant Craft Medium			-	-	131.614	-	-	22.535	-	-	15.324	-	-	-	-	-	-	-	-	-
2 - Combatant Craft Heavy																				
2.1 / Craft System			-	-	-	15.024	1	15.024	-	-	-	-	-	-	-	-	-	-	-	-
2.2 / Trailers and Engineering Change Proposals			-	-	0.541	-	-	2.296	-	-	-	-	-	-	-	-	-	-	-	-
2.3 / Initial Spares			-	-	-	-	-	0.550	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2 - Combatant Craft Heavy			-	-	0.541	-	-	17.870	-	-	-	-	-	-	-	-	-	-	-	-
3 - Riverine Craft																				
3.1 / Craft System			1.595	51	81.363	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2 / Prime Movers and DDP's			0.174	49	8.550	0.270	1	0.270	0.220	1	0.220	0.230	1	0.230	-	-	-	0.230	1	0.230
3.3 / ECPs			-	-	3.221	-	-	-	-	-	0.193	-	-	0.186	-	-	-	-	-	0.186
Subtotal: 3 - Riverine Craft			-	-	93.134	-	-	0.270	-	-	0.413	-	-	0.416	-	-	-	-	-	0.416
4 - Combatant Craft Forward Looking Infrared System																				
4.1 / Legacy CCFLIR System			0.292	128	37.366	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2 / Next Generation (NG) CCFLIR LRIP Systems			-	-	-	0.721	2	1.441	-	-	-	-	-	-	-	-	-	-	-	-
4.3 / NG CCFLIR Systems			-	-	-	0.739	6	4.432	0.661	10	6.610	0.715	9	6.434	-	-	-	0.715	9	6.434
Subtotal: 4 - Combatant Craft Forward Looking Infrared System			-	-	37.366	-	-	5.873	-	-	6.610	-	-	6.434	-	-	-	-	-	6.434
5 - Combatant Craft Assault																				
5.1 / Craft System			3.061	24	73.464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.2 / Craft System/ Congressional Add			3.061	6	18.366	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.3 / GFE, ECPs, Prime Movers, Ancillary Equipment			-	-	22.177	-	-	-	-	-	0.925	-	-	0.463	-	-	-	-	-	0.463

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 **P-1 Line Item Number / Title:** 0204SCCS / COMBATANT CRAFT SYSTEMS **Aggregated Items Title:** Combatant Craft Systems

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Subtotal: 5 - Combatant Craft Assault			-	-	114.007	-	-	-	-	-	0.925	-	-	0.463	-	-	-	-	-	0.463
Prior Year Funding																				
1 / 1.1 - Prior Year Funding			-	-	99.709	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Prior Year Funding			-	-	99.709	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	476.371	-	-	46.548	-	-	23.272	-	-	7.313	-	-	-	-	-	7.313

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 0204SPCPRG / SPECIAL PROGRAMS
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	173.405	71.611	16.053	14.026	-	14.026	14.355	17.169	17.512	17.861	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	173.405	71.611	16.053	14.026	-	14.026	14.355	17.169	17.512	17.861	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	173.405	71.611	16.053	14.026	-	14.026	14.355	17.169	17.512	17.861	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. This program received Overseas Contingency Operations funding in FY 2017.

Justification:

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 0204TACVEH / TACTICAL VEHICLES
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160480BB
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,813.678	74.169	101.831	88.608	59.891	148.499	76.192	37.684	28.696	29.270	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,813.678	74.169	101.831	88.608	59.891	148.499	76.192	37.684	28.696	29.270	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,813.678	74.169	101.831	88.608	59.891	148.499	76.192	37.684	28.696	29.270	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	2.232	0.040	0.420	0.036	0.900	0.936	-	-	-	-	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Special Operations Forces (SOF) ground tactical vehicles are used for Counterterrorism, Counter-Proliferation, Foreign Internal Defense, Special Reconnaissance, Direct Action, and Unconventional Warfare missions, and serve as a weapons platform throughout all areas of the battlefield and/or mission area. The current SOF tactical vehicles include: Ground Mobility Vehicles (GMV) (Medium), Non-Standard Commercial Vehicles (NSCV) for use in tactical missions and Mine Resistant Ambush Protected Vehicles (MRAP) (Heavy). These tactical vehicles are highly effective in executing SOF contingency missions worldwide.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 0204TACVEH / TACTICAL VEHICLES
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160480BB
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Tactical Vehicles				- / 1,813.678	- / 74.169	- / 101.831	- / 88.608	- / 59.891	- / 148.499
P-40	Total Gross/Weapon System Cost				- / 1,813.678	- / 74.169	- / 101.831	- / 88.608	- / 59.891	- / 148.499

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

1. GMV (Medium). The GMV 1.1 is an extremely mobile vehicle capable of internal air transport in a MH-47 that allows SOF operators a fast roll-on/roll-off capability ideal for a full spectrum of operations. The GMV 1.1 is equipped with an A Kit to accept a Command, Control, Communication, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) suite to provide an integrated and standardized communications platform. This program received Overseas Contingency Operations (OCO) funding in FY 2017.

FY 2019 PROGRAM JUSTIFICATION: Procures 87 GMV 1.1 platforms with SOF Kits, 73 C4ISR/ Electronic Countermeasures Systems (ECMS) A-Kits, production support, and initial spares.

FY 2019 OCO PROGRAM JUSTIFICATION: Procures 60 GMV 1.1 platforms with SOF Kits, 60 C4ISR/ECMS A-Kits, 60 armor kits and 6 initial spares.

2. NSCV. Program provides a base vehicle that is representative of the local area where SOF is operating, and then installs SOF-peculiar modifications to provide increased protection, mobility, and communications. Depending on the mission, SOF modifications may include armor protection, winch, high capacity alternator, upgraded brakes and suspension system, and mounts/antennas for communications equipment. These low signature vehicles allow SOF to blend in with the local population in various locations around the world.

FY 2019 PROGRAM JUSTIFICATION: Procures 123 (117 armored/6 unarmored) NSCVs, 123 C4ISR/ECMS A-Kits, and production and fielding support.

FY 2019 OCO PROGRAM JUSTIFICATION: Procures 63 armored NSCVs and 63 C4ISR/ECMS A-Kits.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command																Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4						P-1 Line Item Number / Title: 0204TACVEH / TACTICAL VEHICLES						Aggregated Items Title: Tactical Vehicles								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1. Ground Mobility Vehicle (GMV) (Medium)																				
1a / Base Vehicle & SOF Kits			0.422	244	103.005	0.376	101	37.976	0.388	92	35.696	0.376	87	32.712	-	-	-	0.376	87	32.712
1b / Base Vehicle & SOF Kits - Overseas Contingency Operations (OCO)			-	-	-	0.334	6	2.004	0.360	3	1.080	-	-	-	0.367	60	22.020	0.367	60	22.020
1c / C4ISR / Electronic Countermeasures Systems (ECMS) - A-Kits			0.134	244	32.637	0.113	102	11.526	0.150	92	13.800	0.120	73	8.760	-	-	-	0.120	73	8.760
1d / C4ISR / ECMS - A-Kits - OCO			-	-	-	0.116	6	0.696	0.145	3	0.435	-	-	-	0.120	60	7.200	0.120	60	7.200
1e / Armor			0.100	21	2.100	0.103	24	2.472	-	-	-	-	-	-	-	-	-	-	-	-
1f / Armor - OCO			-	-	-	0.104	4	0.416	0.075	3	0.225	-	-	-	0.136	60	8.160	0.136	60	8.160
1g / Advanced Armor Kits - OCO			-	-	-	0.101	31	3.133	0.100	210	21.000	-	-	-	-	-	-	-	-	-
1i / Initial Spares			-	-	2.232	-	-	0.040	-	-	0.420	-	-	0.036	-	-	-	-	-	0.036
1j / Initial Spares - OCO			-	-	-	-	-	-	-	-	-	-	-	-	0.150	6	0.900	0.150	6	0.900
1h / Production Support			-	-	10.062	-	-	3.992	-	-	1.076	-	-	3.265	-	-	-	-	-	3.265
Subtotal: 1. Ground Mobility Vehicle (GMV) (Medium)			-	-	150.036	-	-	62.171	-	-	73.732	-	-	44.773	-	-	38.280	-	-	83.053
2. Non-Standard Commercial Vehicle (NSCV)																				
2a / Armored NSCV			0.246	341	83.886	0.240	22	5.280	0.242	22	5.324	0.245	117	28.665	-	-	-	0.245	117	28.665
2b / Armored NSCV - OCO			-	-	-	-	-	-	0.240	46	11.049	-	-	-	0.241	63	15.183	0.241	63	15.183
2c / Unarmored NSCV			0.150	66	9.900	0.169	4	0.676	0.169	9	1.521	0.171	6	1.026	-	-	-	0.171	6	1.026
2d / C4ISR/ECMS - A Kits			0.055	473	26.015	0.052	50	2.600	0.103	31	3.193	0.103	123	12.669	-	-	-	0.103	123	12.669
2e / C4ISR/ECMS - A Kits - OCO			-	-	-	-	-	-	0.103	46	4.738	-	-	-	0.102	63	6.428	0.102	63	6.428
2f / Production and Fielding Support			-	-	10.842	-	-	3.442	-	-	2.274	-	-	1.475	-	-	-	-	-	1.475
Subtotal: 2. Non-Standard Commercial Vehicle (NSCV)			-	-	130.643	-	-	11.998	-	-	28.099	-	-	43.835	-	-	21.611	-	-	65.446
3. Prior Years																				
3 / Prior Years Funding			-	-	1,532.999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3. Prior Years			-	-	1,532.999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	1,813.678	-	-	74.169	-	-	101.831	-	-	88.608	-	-	59.891	-	-	148.499

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4	P-1 Line Item Number / Title: 0204TACVEH / TACTICAL VEHICLES	Aggregated Items Title: Tactical Vehicles

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	728.302	266.704	272.285	438.590	21.135	459.725	293.645	304.301	282.452	295.368	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	728.302	266.704	272.285	438.590	21.135	459.725	293.645	304.301	282.452	295.368	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	728.302	266.704	272.285	438.590	21.135	459.725	293.645	304.301	282.452	295.368	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	4.360	1.829	1.953	2.418	-	2.418	-	-	-	-	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This P-1 Line Item provides for the procurement and associated costs of specialized equipment in the areas of communications, weapons, soldier protection and survival systems, visual augmentation systems, lasers and sensors, radios, radio controlled-counter improvised explosive device (RC-CIED) jamming systems, and trainers, simulators and mission planning and rehearsal systems to meet Special Operations Forces (SOF)-unique requirements. The efforts within this P-1 Line Item improve SOF warfighting capabilities, by continuing the procurement of smaller, lighter, more efficient and more robust capabilities. Communications efforts will maintain a Command, Control, and Communications (C3) link between SOF Commanders and SOF Teams, and provide interoperability with all Services, various agencies of the U.S. Government, Air Traffic Control, commercial agencies and allied foreign forces. Small Arms and Weapons procures SOF weapons and associated equipment that have increased capabilities over the service-common small arms. Specialized protection and survival equipment improves survivability and load bearing equipment impacting the mobility of SOF while conducting varied missions. RC-CIED jamming force protection system will further enhance the bandwidth performance to defeat emerging radio frequency detonation threats during mobile and dismount operations. Visual Augmentation, lasers and sensor systems provides SOF day and night optic systems that have increased capabilities over the service-common visual augmentation systems. Tactical radios rapidly and seamlessly establish and maintain mobile and fixed Command and Control (C2) communications between operational elements and higher echelon headquarters, allowing SOF to operate with any force combination in multiple environments.

The FY 2019 funding request was reduced by \$-16.251 million to account for the availability of prior year execution balances.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	WARRIOR SYSTEMS <\$5M				- / 720.338	- / 266.704	- / 272.285	- / 438.590	- / 21.135	- / 459.725
P-40	Total Gross/Weapon System Cost				- / 728.302	- / 266.704	- / 272.285	- / 438.590	- / 21.135	- / 459.725

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

1. Special Communications (SPCOM) Enterprise. Program includes organization, practices, processes, services, networks, systems and subsystems that manage and provide clandestine exchange of information between elements (field-to-field, field-to-base and base-to-field).

FY 2019 PROGRAM JUSTIFICATION: Procures 17 field mission sets.

2. Satellite Deployable Node (SDN). Family of deployable, super high frequency, multi-band, Satellite Communications (SATCOM) systems providing the transport path for high-capacity, voice, data, Video Teleconferencing (VTC), and video at all levels of classification. It consists of SDN subprograms, transport for intelligence variants, technology insertions and capital equipment replacement, to include Full Motion Video (FMV) and Communications-On-the-Move (COTM). SDN-Heavy (SDN-H) is a deployable multi-channel/multi-band SATCOM terminal and associated switching equipment that provides wide-area connectivity through SOCOM Mobile SOF Strategic Entry Points (MSSEPs) and commercial teleports for SOF task forces. SDN-Medium (SDN-M) is a lightweight, multi-channel SATCOM system that provides Command, Control, Communications, and Computers for SOF mid-level tactical headquarters and operational elements. SDN-Light (SDN-L) is a rugged, portable SATCOM package that supports small SOF liaison teams and small operational elements. Wide-band COTM consists of SDN afloat, ground mobile and airborne packages for SOF elements. MSSEP is a deployable SOF strategic entry point that augments the SOF Information Environment global architecture in support of regional requirements. The airborne Intelligence Surveillance Reconnaissance transport is communications architecture equipment that supports the delivery of near real-time sensor data to the strategic, operational and tactical edge users. This program received Overseas Contingency Operations (OCO) funding in FY 2017.

FY 2019 PROGRAM JUSTIFICATION: Procures Capital Equipment Replacement Plan (CERP) of 15 SDN-H, 50 SDN-H Antennas, 73 SDN-M, 705 SDN-L, three Predator Receive Terminals, three SDN-Extension Packages, COTM ETIs and CERP, 50 Light Vx Variants, five KuSS Ingest Hub Sustainment, and FMV Evolutionary Technology Insertions (ETIs).

FY2019 Overseas Contingency Operations (OCO) PROGRAM JUSTIFICATION: Replaces five SDN-M and four SDN-L for battle losses.

3. SCAMPI (not an acronym). Wide Area Network (WAN) foundation system that supports Unified Communications/transport, encrypts, and accelerates all data, voice, and video information between Headquarters USSOCOM, SOF deployed forces, all subordinate commands, Special Mission Units (SMUs), and selected government agencies and activities directly supporting the special operations community. SCAMPI provides transports of SOF data, voice, and video, for all classification levels, to all USSOCOM locations in the SOF Information Environment (SIE). SCAMPI also utilizes commercial Satellite Infrastructure globally to extend the SIE to Satellite Deployable Nodes.

FY 2019 PROGRAM JUSTIFICATION: CERP one Special Purpose Processing Node (SPPNs), 11 Installation Gateways, and one Strategic Installation Gateway; procures nine Installation Gateways; and software/hardware for Global Messaging/Counter Messaging (GMCM)

4. Weapons. Provides the SOF operator with common caliber weapons that enable SOF to accurately engage enemy personnel and material in all SOF environments at ranges up to 1500 meters. The Weapons program is delineated into four sub-programs: Weapons-Rifles, Weapons-Sniper Rifles, Weapons-Machine Guns, and Weapons-Handguns. Weapons include common caliber pistols to engage at close range, modular assault rifles to engage out to 600 meters, Sniper Support Rifles to engage out to 800 meters, sniper rifles to engage out to 1500 meters, shoulder fired grenade launchers, vehicle and man-portable high velocity grenade launchers, machine guns to engage out to 1000 meters, multi-barreled mini-guns which can be mounted on boats, vehicles, aircraft, and ground mounted to engage out to 3,500

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB
Line Item MDAP/MAIS Code: N/A		
meters, and Weapon Accessories to be used on both service-common and SOF weapons, enabling the operator to tailor the configuration of the weapon to the assigned mission and operational environment, enhancing the overall effectiveness of the weapons, which enables mission accomplishment and operator survivability. This program received OCO funding in FY 2017.		
FY 2019 PROGRAM JUSTIFICATION: Procures 980 Rifle Upper Receiver Groups (URG), 91 MK 13 Sniper Rifles, 69 MK 15 Sniper Rifles, 41 MK 44 Machine Guns, 800 Glock 19 Handguns and weapons range equipment.		
5. Tactical Combat Casualty Care (TCCC). Provides medical devices and equipment for treatment of casualties in support of forward deployed SOF. This program consists of the Operator Kit, Medic Kit, and Casualty Evacuation (CASEVAC) Set. The TCCC Program procures a variety of Food and Drug Administration-approved medical items include intraosseous (injection into the bone marrow) infusion devices; patient monitoring and assessment devices; emergency airway kits; and devices that support patient management, extraction, transportation, and casualty care. The TCCC program fields tactical medical and CASEVAC capabilities with the intention to transition capabilities developed under the National Military Forces Tactical Medical Program. Finally, this program provides significant ability to lessen battlefield losses by providing timely, critical lifesaving, and evacuation capabilities to forward-deployed SOF Operators.		
FY 2019 PROGRAM JUSTIFICATION: Procures 37 CASEVAC sets and production support.		
FY 2019 OCO PROGRAM JUSTIFICATION: Procures 66 CASEVAC sets.		
6. Personal Signature Management (PSM). The PSM program provides signature reducing materials and technology that reduce the probability of detection by battlefield threat sensors.		
FY 2019 PROGRAM JUSTIFICATION: Procures 120 PSM systems.		
7. Counter Radio Controlled-Improvised Explosive Device (RC-IED). Centralized program that provides a capability for US Special Operations Command to acquire RC-IED jamming systems. Various system designs provide soldier protection while operating in various environments, while vehicle mounted or dismounted. All of these systems are designed for easy update to protect against an evolving threat matrix. Procurement of the next generation low visibility RC-IED jamming force protection system will further enhance the bandwidth performance to defeat emerging radio frequency (RF) detonation threats during mobile and dismount operations. This program provides scalable RC-IED systems whose configuration and modularity address a mission critical capability gap to counter the proliferation of RF-initiated IEDs globally. This program received OCO funding in FY 2017.		
FY 2019 PROGRAM JUSTIFICATION: Procures 116 force protection Counter RC-IED devices, ancillary equipment, and initial spares.		
8. Visual Augmentation Systems (VAS) - Optics. Provides the SOF operator with a lightweight, man-portable thermal imagers that detect, acquire, and to observe targets during day/night operations; equip the sniper with a lightweight, low signature, fire control and observation device that allows detection, acquire, and engage targets out to the weapon's maximum effective range under day/night conditions; the devices allow the sniper to utilize the weapon during day to night operations without re-zeroing. VAS optics enhances target acquisition and accuracy of all SOF weapons, resulting in increased mission accomplishment and operator survivability. This budget item incorporated the Improved Night/Day Observation/Fire Control Devices (INOD); Hand Held Imagers (HHI); VAS - Binocular/Monocular (VAS B/M); and VAS Weapons Accessories - Enhanced Combat Optical Sights (ECOS), Clip-on Night Vision Devices (CNVD), and weapon optics programs. This program received a Congressional Add in FY 2017.		
FY 2019 PROGRAM JUSTIFICATION: Procures 1,185 Binocular Night Vision Devices, 534 Clip on Thermal Imagers, 13 INOD Block IIIs, 10 HHI-Mini, 105 Clip on Short Wave Infrared Imagers, and 2,655 ECOS devices.		
FY 2019 OCO PROGRAM JUSTIFICATION: Procures 50 INOD Block IIIs.		
9. VAS - Lasers. Provides markers, lasers (handheld, body or helmet worn), infrared sights, and small target location devices. Provides laser target designators with range finding capability. The marker and location devices allow operators to conduct close air support and air interdiction missions through the terminal guidance of laser-guided munitions and provide precise location of targets. The marking devices reduce collateral damage and increase precise target engagements with fighter aircraft and attack helicopters. Thermal devices provide a night vision capability and verify that the energy from the device is on the		

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB
Line Item MDAP/MAIS Code: N/A		
<p>target. This system is specifically gated and turned to view the invisible laser spot of the marker for use in designating laser guided bombs to targets. The Small Target Location Device (STLD) provides precise location of devices via lasers and celestial/terrestrial or alternative positional subsystems. Thermal beacon enables assets equipped with thermal sensors to identify the location of forces in order to prevent friendly fire or fratricide events. This budget item incorporated the VAS Weapons Accessories - Advanced Target Pointer Illuminator Aiming Laser (ATPIAL), Visible Bright Lights (VBL), and Laser Aiming Markers (LAM) programs.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures 33 LAM, 16,080 ATPIALS, and 21 STLDs.</p> <p>10. SOF Tactical Communications (STC). Provides the next generation SOF communication system and replaces most of the currently fielded SOF suite of radios. The capability will consist of four basic form factors: 1) Man-pack device will be a multi-band device capable of being carried by an individual or being mounted on various SOF platforms; 2) Fixed configuration will be a multi-band and/or High-Frequency (HF) device designed for implementation into air/ground/sea platforms or base stations; 3) HF device in a man-pack configuration will be capable of being mounted on various SOF platforms; 4) Handheld device will include both an urban and maritime variant. This system will introduce additional capabilities to SOF to improve current situational awareness capabilities and performance on SOF platforms. Capabilities will include: real time, hostile and friendly force information; Line of Sight (LOS) and Beyond LOS communications; and access to situational awareness in the form of intelligence inputs, broadcasts, and networks. This system will be a key component of an integrated network providing information connectivity among SOF, the Services, other government agencies, and potentially indigenous and surrogate forces. This program received OCO funding in FY2018.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures 470 Handheld Link-16 radios, CERP of 1,968 handheld radios, 12 handheld for Combatant Craft Assault, 1,313 man-pack radios and 355 high-frequency radios.</p> <p>11. Radio Integration System (RIS). RIS provides the command, control, and communications (C3) linkage between deployed SOF bases and LNO teams to SOF, SOF headquarters, and SOF support elements. RIS is an evolutionary acquisition program to procure the most current tactical C3 communications system for deployed and forward-based SOF and is fully modular and scalable and consists of subsystems that allow users to tailor system capabilities, size, and features dependent on a particular mission. RIS interfaces, enhances, and combines multiple single channel radios into one integrated C3 suite to exchange secure/non-secure voice, secure data, and remote communications with other communications platforms in support of the SOF mission. Currently fielded systems consist of a full-scaled deployable transit case variant, a deployable downsized transit case variant, and a fixed base station variant. New RIS variants include; the Multi-Band Radio Transit Case, High Frequency Transit Case, and Mobile Base Station, and provide operators with increased capability, greater scalability, and a reduction in the size, weight, and power of previously fielded versions. These variants integrate existing and future radios to enable the SOF operational commander to exercise reliable, effective, and efficient C3 functions regardless of area of operation.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures 24 Multi-Band Radio Transit Cases and eight High Frequency Transit Cases.</p> <p>FY 2019 OCO PROGRAM JUSTIFICATION: Procures six Multi-Band Radio Transit Cases and four High Frequency Transit Cases to replace battle loss equipment.</p> <p>12. Blue Force Tracking (BFT). Family of devices used to remotely track and monitor Blue forces. The capability enhances C2, threat warning, force protection, situational awareness, combat search and rescue, counter-fratricide, and battlefield visualization. This capability is unique to SOF because it requires the devices to be lightweight, portable, secure and a Low Probability of Intercept/Low Probability of Detection. SOF systems include the miniature transmitter and the handheld device that provides automated transmission of position location information and brevity codes supporting both ground and air assets. This information is collected by national assets, relayed to select command units, and displayed on the receiving unit's common operational picture.</p> <p>FY 2019 PROGRAM JUSTIFICATION: Procures 1,209 BFT devices.</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 **P-1 Line Item Number / Title:** 0204WARSYS / WARRIOR SYSTEMS <\$5M **Aggregated Items Title:** WARRIOR SYSTEMS <\$5M

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1. Special Communication (SPCOM) Enterprise																				
1a / SPCOM Field Mission Sets			0.165	28	4.613	0.162	14	2.274	0.160	22	3.524	0.161	17	2.736	-	-	-	0.161	17	2.736
1b / SPCOM Enterprise Segment Services			-	-	0.775	-	-	0.521	-	-	0.540	-	-	-	-	-	-	-	-	-
1c / SPCOM Base End Segment Capabilities			-	-	0.880	-	-	-	-	-	0.477	-	-	-	-	-	-	-	-	-
Subtotal: 1. Special Communication (SPCOM) Enterprise			-	-	6.268	-	-	2.795	-	-	4.541	-	-	2.736	-	-	-	-	-	2.736
2. Satellite Deployable Node (SDN)																				
2a / SDN-H Hardware Heavy - Capital Equipment Replacement Program (CERP)			1.765	18	31.763	1.077	6	6.462	0.991	7	6.940	1.025	15	15.375	-	-	-	1.025	15	15.375
2b / SDN-H Antennas - CERP			-	-	-	-	-	-	-	-	-	0.260	50	13.000	-	-	-	0.260	50	13.000
2c / SDN Medium Hardware - CERP			0.540	85	45.878	0.389	46	17.916	0.405	40	16.212	0.402	73	29.321	-	-	-	0.402	73	29.321
2d / SDN Medium Hardware - Replacement - Overseas Contingency Operations (OCO)			-	-	-	-	-	-	-	-	-	-	-	-	0.581	5	2.906	0.581	5	2.906
2e / SDN Light Hardware - CERP			0.175	272	47.502	0.138	200	27.502	0.142	209	29.615	0.142	705	100.167	-	-	-	0.142	705	100.167
2f / SDN Light Hardware - Replacement - OCO			-	-	-	-	-	-	-	-	-	-	-	-	0.315	4	1.260	0.315	4	1.260
2g / Predator Receive Terminal - CERP			-	-	-	2.443	4	9.773	-	-	-	2.167	3	6.500	-	-	-	2.167	3	6.500
2h / Predator Receive Terminal - OCO			-	-	-	2.250	4	9.000	-	-	-	-	-	-	-	-	-	-	-	-
2i / Full Motion Video - CERP			-	-	-	-	-	-	0.780	1	0.780	-	-	-	-	-	-	-	-	-
2j / Full Motion Video - ETI - CERP			-	-	3.808	-	-	-	-	-	0.945	-	-	7.486	-	-	-	-	-	7.486
2k / Full Motion Video Data Transport - OCO			-	-	-	-	-	-	-	-	10.500	-	-	-	-	-	-	-	-	-
2l / Extension Package - CERP			0.393	9	3.534	-	-	-	0.353	3	1.058	0.364	3	1.093	-	-	-	0.364	3	1.093
2m / Comms-On-the-Move - Evolutionary			-	-	6.485	-	-	1.820	-	-	1.022	-	-	1.131	-	-	-	-	-	1.131

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 **P-1 Line Item Number / Title:** 0204WARSYS / WARRIOR SYSTEMS <\$5M **Aggregated Items Title:** WARRIOR SYSTEMS <\$5M

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Technology Insertion (ETI)																				
2n / Comms-On-the-Move - ETI - CERP			-	-	-	-	-	1.740	-	-	1.296	-	-	1.654	-	-	-	-	-	1.654
2o / Comms-On-the-Move Kits - OCO			-	-	-	-	-	-	1.820	4	7.280	-	-	-	-	-	-	-	-	-
2p / Light Vx Variant - CERP			0.090	5	0.450	0.093	30	2.790	0.097	39	3.802	0.100	50	4.993	-	-	-	0.100	50	4.993
2q / KuSS Ingest Hub - CERP			1.680	3	5.041	1.898	4	7.594	1.814	4	7.256	1.650	5	8.252	-	-	-	1.650	5	8.252
2r / Joint Task Force - OCO			-	-	-	2.100	3	6.300	-	-	-	-	-	-	-	-	-	-	-	-
2s / Digital Video Broadcasting - OCO			-	-	-	0.650	10	6.500	-	-	-	-	-	-	-	-	-	-	-	-
2t / Prior Year Funding - *(includes prior year funding support from the P5 in the 19PBR exhibit)			-	-	144.651	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2. Satellite Deployable Node (SDN)			-	-	289.112	-	-	97.397	-	-	86.706	-	-	188.972	-	-	4.166	-	-	193.138
3. SCAMPI																				
3a / Special Purpose Processing Node - Capital Equipment Replacement Program (CERP)			0.582	2	1.163	0.341	1	0.341	0.631	1	0.631	0.637	1	0.637	-	-	-	0.637	1	0.637
3b / Installation Gateway			0.860	10	8.596	0.842	9	7.577	0.880	11	9.679	0.843	9	7.588	-	-	-	0.843	9	7.588
3c / Installation Gateway - CERP			0.782	30	23.445	0.801	9	7.205	0.737	10	7.371	0.743	11	8.168	-	-	-	0.743	11	8.168
3d / Strategic Installation Gateway - CERP			2.220	6	13.320	2.749	2	5.497	2.727	2	5.453	6.583	1	6.583	-	-	-	6.583	1	6.583
3e / Global Messaging/Counter Messaging - Software/ Hardware			-	-	-	-	-	-	-	-	-	-	-	1.000	-	-	-	-	-	1.000
3f / Prior Year Funding			-	-	2.313	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3. SCAMPI			-	-	48.837	-	-	20.620	-	-	23.134	-	-	23.976	-	-	-	-	-	23.976
4. Weapons																				
4a / Rifle - Upper Receiver Group			0.006	179	1.073	0.006	532	3.189	0.006	300	1.714	0.006	980	5.880	-	-	-	0.006	980	5.880
4b / Sniper Rifle - MK 13			-	-	-	0.007	1	0.007	0.008	75	0.600	0.008	91	0.731	-	-	-	0.008	91	0.731

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command															Date: February 2018					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4					P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M										Aggregated Items Title: WARRIOR SYSTEMS <\$5M					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
4c / Sniper Rifle - MK 15			0.008	221	1.770	0.008	11	0.088	0.008	42	0.336	0.008	69	0.549	-	-	-	0.008	69	0.549
4d / Machine Gun - MK 44			0.120	2	0.240	0.104	49	5.121	0.115	35	4.009	0.120	41	4.922	-	-	-	0.120	41	4.922
4e / Machine Gun - MK 46 - Overseas Contingency Operations			-	-	-	0.006	100	0.600	-	-	-	-	-	-	-	-	-	-	-	-
4f / Handgun - Glock 19			0.001	4,391	4.391	0.001	2,107	2.107	0.001	792	0.792	0.001	800	0.800	-	-	-	0.001	800	0.800
4g / Range Equipment			-	-	-	-	-	2.290	-	-	1.515	-	-	1.483	-	-	-	-	-	1.483
4h / Prior Year Funding			-	-	17.473	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4. Weapons			-	-	24.947	-	-	13.402	-	-	8.966	-	-	14.365	-	-	-	-	-	14.365
5. Tactical Combat Casualty Care																				
5a / Sets			0.169	57	9.619	0.167	46	7.685	0.192	1	0.192	0.172	37	6.364	-	-	-	0.172	37	6.364
5b / Sets - Overseas Contingency Operations (OCO)			0.170	91	15.491	-	-	-	-	-	-	-	-	-	0.172	66	11.352	0.172	66	11.352
5c / Production Support			-	-	0.237	-	-	0.113	-	-	0.060	-	-	0.043	-	-	-	-	-	0.043
5d / Production Support - OCO			-	-	0.381	-	-	-	-	-	-	-	-	-	-	-	0.055	-	-	0.055
Subtotal: 5. Tactical Combat Casualty Care			-	-	25.728	-	-	7.798	-	-	0.252	-	-	6.407	-	-	11.407	-	-	17.814
6. Personal Signature Management (PSM)																				
6a / PSM System			-	-	-	-	-	-	-	-	-	0.000	120	0.058	-	-	-	0.000	120	0.058
Subtotal: 6. Personal Signature Management (PSM)			-	-	-	-	-	-	-	-	-	-	-	0.058	-	-	-	-	-	0.058
7. Counter Radio Controlled-Improvised Explosive Device (RC-IED)																				
7a / RC-IED Device			0.262	131	34.354	0.244	88	21.430	0.250	100	25.039	0.244	116	28.330	-	-	-	0.244	116	28.330
7b / Ancillary Equipment			-	-	1.000	-	-	2.875	-	-	1.031	-	-	12.300	-	-	-	-	-	12.300
7c / Ancillary Equipment - Overseas Contingency Operations (OCO)			-	-	1.000	-	-	-	-	-	1.911	-	-	-	-	-	-	-	-	-
7d / New Equipment Support			-	-	0.050	-	-	-	-	-	0.105	-	-	-	-	-	-	-	-	-
e / Initial Spares			-	-	2.860	-	-	1.829	-	-	1.953	-	-	2.121	-	-	-	-	-	2.121
7f / Prior Year Funding			-	-	0.937	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7g / Prior Year Funding - OCO			0.280	50	14.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 **P-1 Line Item Number / Title:** 0204WARSYS / WARRIOR SYSTEMS <\$5M **Aggregated Items Title:** WARRIOR SYSTEMS <\$5M

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
*(includes prior year support funding from P5 in 19PBR exhibit)																				
Subtotal: 7. Counter Radio Controlled-Improvised Explosive Device (RC-IED)			-	-	54.201	-	-	26.134	-	-	30.039	-	-	42.751	-	-	-	-	-	42.751
8. Visual Augmentation Systems - Optics																				
8a / Night Vision Devices - AN/PVS-31			0.008	6,431	51.455	0.006	2,270	13.621	0.008	922	7.372	0.007	1,185	8.294	-	-	-	0.007	1,185	8.294
8b / AN/PVS-31 OCO			-	-	-	-	-	-	0.008	11	0.092	-	-	-	-	-	-	-	-	-
8c / Clip On Thermal Imagers (COTI) - AN/PAS-29			0.006	460	2.758	0.006	1,657	9.946	0.006	698	4.189	0.006	534	3.204	-	-	-	0.006	534	3.204
8d / Clip On Short Wave Infrared Imager (COSI) AN/PAS-34			-	-	-	-	-	-	-	-	-	0.016	105	1.680	-	-	-	0.016	105	1.680
8e / Improvised Night/Day Fire Control Observation Device (INOD) - SU-280/P			0.057	402	22.948	0.054	19	1.033	0.065	14	0.913	0.067	13	0.876	-	-	-	0.067	13	0.876
8f / INOD - SU-280/P - OCO			0.057	145	8.320	-	-	-	-	-	-	-	-	-	0.065	50	3.250	0.065	50	3.250
8g / Hand Held Imager (HHI) - Mini Long-Range AN/PAS-33			0.063	200	12.641	0.117	18	2.099	-	-	-	0.075	10	0.750	-	-	-	0.075	10	0.750
8h / HHI - Pocket			-	-	-	-	-	-	0.017	18	0.304	-	-	-	-	-	-	-	-	-
8i / Enhanced Fusion Goggle			-	-	-	-	-	-	0.006	129	0.774	-	-	-	-	-	-	-	-	-
8j / Weapons Optics - Congressional Add			0.007	657	4.600	0.008	500	4.000	-	-	-	-	-	-	-	-	-	-	-	-
8k / Enhanced Combat Optical Sight (ECOS)			0.001	6,045	7.472	0.004	1,932	7.344	0.004	1,592	6.369	0.004	2,655	10.620	-	-	-	0.004	2,655	10.620
8l / ECOS - OCO			-	-	-	-	-	-	0.001	8	0.010	-	-	-	-	-	-	-	-	-
8n / Prior Year Funding - OCO			-	-	23.919	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 8. Visual Augmentation Systems - Optics			-	-	134.113	-	-	38.043	-	-	20.023	-	-	25.424	-	-	3.250	-	-	28.674
9. Visual Augmentation Systems - Lasers																				
9a / Laser Aiming Marker			-	-	-	-	-	-	0.052	35	1.804	0.052	33	1.730	-	-	-	0.052	33	1.730
9b / Advanced Target Precision Infrared Aiming Laser			0.002	1,488	3.133	-	-	-	0.002	4,530	9.059	0.002	16,080	32.160	-	-	-	0.002	16,080	32.160

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4	P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M	Aggregated Items Title: WARRIOR SYSTEMS <\$5M
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
(ATPIAL) Systems AN/PEQ-15																				
9c / ATPIAL - OCO AN/PEQ-15			-	-	-	-	-	-	0.004	10	0.035	-	-	-	-	-	-	-	-	-
9d / Laser Acquisition Marker (LAM) - Infrared Sights			0.047	225	10.571	0.051	29	1.493	-	-	-	-	-	-	-	-	-	-	-	-
9e / Handheld Acquisition Marker			0.027	428	11.556	0.028	16	0.445	-	-	-	-	-	-	-	-	-	-	-	-
9f / Small Target Location Device			0.111	21	2.332	0.112	4	0.448	0.108	22	2.382	0.109	21	2.285	-	-	-	0.109	21	2.285
9h / Prior Year Funding			-	-	1.141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9i / Prior Year Funding - OCO			-	-	0.630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 9. Visual Augmentation Systems - Lasers			-	-	29.363	-	-	2.386	-	-	13.280	-	-	36.175	-	-	-	-	-	36.175
10. SOF Tactical Communications																				
10a / Handheld			0.016	275	4.412	0.016	8	0.125	-	-	-	-	-	-	-	-	-	-	-	-
10b / Handheld Link-16			-	-	-	-	-	-	0.030	305	9.200	0.030	470	14.087	-	-	-	0.030	470	14.087
10c / Handheld - Capital Equipment Replacement Program (CERP)			0.016	2,688	43.008	0.016	1,785	28.552	0.011	2,474	28.108	0.011	1,968	21.652	-	-	-	0.011	1,968	21.652
10d / Handheld Combatant Craft Assault (CCA) GFE			-	-	-	-	-	-	-	-	-	0.017	12	0.201	-	-	-	0.017	12	0.201
10e / CCA GFE OCO			0.016	62	0.991	-	-	-	0.016	15	0.240	-	-	-	-	-	-	-	-	-
10f / Manpack - CERP			0.037	879	32.629	0.039	455	17.760	0.032	1,203	39.064	0.032	1,313	42.020	-	-	-	0.032	1,313	42.020
10g / Manpack CCA GFE OCO			0.043	7	0.300	-	-	-	0.037	4	0.147	-	-	-	-	-	-	-	-	-
10h / High Frequency - CERP			0.013	659	8.593	0.015	206	3.091	0.013	254	3.182	0.013	355	4.620	-	-	-	0.013	355	4.620
10i / Prior Year Funding			0.048	13	0.620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 10. SOF Tactical Communications			-	-	90.553	-	-	49.528	-	-	79.941	-	-	82.580	-	-	-	-	-	82.580
11. Radio Integration System																				
11a / Multi-Band Radio Transit Case			-	-	-	0.183	20	3.660	0.182	8	1.456	0.188	24	4.508	-	-	-	0.188	24	4.508
11b / Multi-Band Radio Transit Case - Overseas			-	-	-	-	-	-	-	-	-	-	-	-	0.239	6	1.434	0.239	6	1.434

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 **P-1 Line Item Number / Title:** 0204WARSYS / WARRIOR SYSTEMS <\$5M **Aggregated Items Title:** WARRIOR SYSTEMS <\$5M

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Contingency Operations (OCO)																				
11c / High Frequency Transit Case			-	-	-	0.118	8	0.944	0.116	2	0.232	0.121	8	0.966	-	-	-	0.121	8	0.966
11d / High Frequency Transit Case - OCO			-	-	-	-	-	-	-	-	-	-	-	-	0.219	4	0.878	0.219	4	0.878
11e / Mobile Base Station			-	-	-	0.181	3	0.543	0.180	2	0.360	-	-	-	-	-	-	-	-	-
11f / Prior Year Funding			0.621	26	16.152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 11. Radio Integration System			-	-	16.152	-	-	5.152	-	-	2.042	-	-	5.474	-	-	2.312	-	-	7.786
12. Blue Force Tracking																				
12a / Blue Force Tracking Devices			0.008	1,128	9.022	0.008	431	3.449	0.008	420	3.361	0.008	1,209	9.672	-	-	-	0.008	1,209	9.672
Subtotal: 12. Blue Force Tracking			-	-	9.022	-	-	3.449	-	-	3.361	-	-	9.672	-	-	-	-	-	9.672
Total			-	-	720.338	-	-	266.704	-	-	272.285	-	-	438.590	-	-	21.135	-	-	459.725

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 0206CMR / COMBAT MISSION REQUIREMENTS
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: 0000

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	453.279	35.478	19.570	19.408	10.000	29.408	19.793	20.190	20.593	21.006	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	453.279	35.478	19.570	19.408	10.000	29.408	19.793	20.190	20.593	21.006	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	453.279	35.478	19.570	19.408	10.000	29.408	19.793	20.190	20.593	21.006	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Combat Mission Requirements line item procures emergent critical equipment shortfalls that must be rapidly fielded to Special Operations Forces operators in the field to conduct combat missions. These equipment shortfalls are identified by Geographical Combatant Commanders (GCCs) and validated and approved by United States Special Operations Command (USSOCOM) as a Combat Mission Needs Statement (CMNS). Each requirement is vetted through a rigorous USSOCOM process and must meet the following criteria: provide force protection to troops or ensure mission success. Equipment purchased under the CMNS umbrella include, but are not limited to, radios, intelligence equipment, unmanned aerial vehicles, blast and ballistic protected tactical vehicles, ammunition, weapons, aircraft defensive systems, night vision devices, and aircraft precision strike systems. USSOCOM submits an annual report to Congress that describes the CMNS approved during that fiscal year. This program received FY 2017 Overseas Contingency Operations funding.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 0206CMR / COMBAT MISSION REQUIREMENTS
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: 0000

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Combat Mission Requirements				- / 453.279	- / 35.478	- / 19.570	- / 19.408	- / 10.000	- / 29.408
P-40	Total Gross/Weapon System Cost				- / 453.279	- / 35.478	- / 19.570	- / 19.408	- / 10.000	- / 29.408

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2019 PROGRAM JUSTIFICATION: Funding procures various equipment to rectify emergent critical equipment shortfalls identified by GCCs, and submitted and approved through the CMNS process or directed by Commander, USSOCOM.

FY 2019 OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION: SOF will have an increased presence in the Central Command and Africa Command's Areas of Responsibility. This will drive an increased need for battlefield equipment to cover unforeseen capability gaps that directly effect mission success and force protection. Funding will procure various equipment to rectify emergent critical equipment shortfalls identified by GCCs, and submitted and approved through the CMNS process or directed by Commander, USSOCOM.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 **P-1 Line Item Number / Title:** 0206CMR / COMBAT MISSION REQUIREMENTS **Aggregated Items Title:** Combat Mission Requirements

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Combat Mission Needs Requirements																				
1 / Critical Emergent Combat Mission Need			-	-	-	-	-	-	-	-	19.570	-	-	19.408	-	-	10.000	-	-	29.408
Subtotal: Combat Mission Needs Requirements			-	-	-	-	-	-	-	-	19.570	-	-	19.408	-	-	10.000	-	-	29.408
Non Standard Commercial Vehicles (NSCV)																				
1 / Armored NSCV			0.301	10	3.010	0.300	64	19.208	-	-	-	-	-	-	-	-	-	-	-	-
2 / Prior Year Costs			-	-	11.314	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3 / Prior Year Costs (OCO)			-	-	1.769	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Standard Commercial Vehicles (NSCV)			-	-	16.093	-	-	19.208	-	-	-	-	-	-	-	-	-	-	-	-
Vehicle-Borne Improvised Explosive Devices (VBIEDS)																				
1 / VBIEDS			-	-	0.112	-	-	0.358	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Vehicle-Borne Improvised Explosive Devices (VBIEDS)			-	-	0.112	-	-	0.358	-	-	-	-	-	-	-	-	-	-	-	-
Ground Mobility Vehicles (GMV) 1.1																				
1 / GMV 1.1 Bolt-On Armor Kits (OCO)			-	-	-	0.110	11	1.210	-	-	-	-	-	-	-	-	-	-	-	-
2 / GMV1.1 Bolt-on Armor Kits w/Gunner Armor (OCO)			-	-	-	0.145	18	2.610	-	-	-	-	-	-	-	-	-	-	-	-
3 / Special Tools (OCO)			-	-	-	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-
4 / Program Support (OCO)			-	-	-	-	-	0.222	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Ground Mobility Vehicles (GMV) 1.1			-	-	-	-	-	4.142	-	-	-	-	-	-	-	-	-	-	-	-
AC-130W Missile Warning System (MWS)																				
1 / Processor Upgrades (OCO)			-	-	-	0.070	4	0.280	-	-	-	-	-	-	-	-	-	-	-	-
2 / Advanced Threat Warning Sensors (OCO)			-	-	-	0.150	20	3.000	-	-	-	-	-	-	-	-	-	-	-	-
3 / Antennae Upgrades (OCO)			-	-	-	0.015	8	0.120	-	-	-	-	-	-	-	-	-	-	-	-
4 / AC-130W A Kit Installs (OCO)			-	-	-	0.222	9	2.000	-	-	-	-	-	-	-	-	-	-	-	-
5 / Non-Recurring Engineering (OCO)			-	-	-	-	-	5.000	-	-	-	-	-	-	-	-	-	-	-	-
6 / Support Equipment			-	-	-	-	-	0.478	-	-	-	-	-	-	-	-	-	-	-	-
7 / Support Equipment (OCO)			-	-	-	-	-	0.442	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 **P-1 Line Item Number / Title:** 0206CMR / COMBAT MISSION REQUIREMENTS **Aggregated Items Title:** Combat Mission Requirements

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
8 / Flight Testing (OCO)			-	-	-	-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	
9 / Tech Data (OCO)			-	-	-	-	-	0.250	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: AC-130W Missile Warning System (MWS)			-	-	-	-	-	11.770	-	-	-	-	-	-	-	-	-	-	-	
Prior Year Costs																				
1 / Prior Year Costs			-	-	437.074	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Prior Year Costs			-	-	437.074	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	453.279	-	-	35.478	-	-	19.570	-	-	19.408	-	-	10.000	-	29.408	

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 0607GVAS / GLOBAL VIDEO SURVEILLANCE ACTIVITIES
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	64.629	3.437	3.589	6.281	-	6.281	5.809	5.923	6.042	6.163	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	64.629	3.437	3.589	6.281	-	6.281	5.809	5.923	6.042	6.163	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	64.629	3.437	3.589	6.281	-	6.281	5.809	5.923	6.042	6.163	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This P-1 line item is part of the Military Intelligence Program. Details provided under separate cover.

Justification:

Details provided under separate cover.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 0607OEI / OPERATIONAL ENHANCEMENTS INTELLIGENCE
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	306.563	20.799	25.087	18.509	10.805	29.314	17.160	16.990	17.331	17.679	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	306.563	20.799	25.087	18.509	10.805	29.314	17.160	16.990	17.331	17.679	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	306.563	20.799	25.087	18.509	10.805	29.314	17.160	16.990	17.331	17.679	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This P-1 line item is part of the Military Intelligence Program. This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. This program received FY 2017 Overseas Contingency Operations funding.

Justification:

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 2000DRUGID / DRUG INTERDICTION
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	47.608	8.150	-	-	-	-	-	-	-	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	47.608	8.150	-	-	-	-	-	-	-	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	47.608	8.150	-	-	-	-	-	-	-	-	-	-

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Funds are appropriated in a central transfer account and reprogrammed into this line in execution to support drug interdiction efforts.

Justification:

FY 2019 PROGRAM JUSTIFICATION: None

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Exhibit P-40, Budget Line Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 2143369000 / OPERATIONAL ENHANCEMENTS
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160408BB
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	5,457.280	275.530	434.971	367.433	126.539	493.972	307.759	281.063	272.339	266.552	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	5,457.280	275.530	434.971	367.433	126.539	493.972	307.759	281.063	272.339	266.552	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5,457.280	275.530	434.971	367.433	126.539	493.972	307.759	281.063	272.339	266.552	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Details provided under separate cover. This P-1 Line Item received FY 2017 Overseas Contingency Operations funding.

Justification:

Details provided under separate cover.

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