

UNCLASSIFIED

**Department of Defense  
Fiscal Year (FY) 2020 Budget Estimates**

March 2019



**United States Special Operations Command**

*Defense-Wide Justification Book Volume 1 of 2*

***Procurement, Defense-Wide***

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United States Special Operations Command • Budget Estimates FY 2020 • Procurement

**Table of Volumes**

Chemical and Biological Defense Program.....	Volume 1
Defense Contract Audit Agency.....	Volume 1
Defense Contract Management Agency.....	Volume 1
DoD Human Resources Activity.....	Volume 1
Defense Information Systems Agency.....	Volume 1
Defense Logistics Agency.....	Volume 1
Defense Media Activity.....	Volume 1
Defense POW/MIA Accounting Agency.....	Volume 1
Defense Production Act Purchases.....	Volume 1
Defense Security Service.....	Volume 1
Defense Threat Reduction Agency.....	Volume 1
Department of Defense Education Activity.....	Volume 1
Office of the Secretary Of Defense.....	Volume 1
The Joint Staff.....	Volume 1
United States Special Operations Command.....	Volume 1
Washington Headquarters Service.....	Volume 1

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United States Special Operations Command • Budget Estimates FY 2020 • Procurement

**Joint Urgent Operational Needs Fund..... Volume 1**

**Missile Defense Agency..... Volume 2**



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United States Special Operations Command • Budget Estimates FY 2020 • Procurement

**Volume 1 Table of Contents**

**Comptroller Exhibit P-1.....Volume 1 - v**

**Line Item Table of Contents (by Appropriation then Line Number)..... Volume 1 - xxi**

**Line Item Table of Contents (Alphabetically by Line Item Title)..... Volume 1 - xxiii**

**Acronyms..... Volume 1 - xxv**

**Exhibit P-40s..... Volume 1 - 1**

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## UNCLASSIFIED

Defense-Wide  
 FY 2020 President's Budget  
 Exhibit P-1 FY 2020 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

25 Feb 2019

Appropriation -----	FY 2018 (Base + OCO) -----	FY 2019 Base Enacted -----	FY 2019 OCO Enacted -----	FY 2019 Total Enacted -----
Procurement, Defense-Wide	2,541,308	2,507,865	509,242	3,017,107
Total Defense-Wide	2,541,308	2,507,865	509,242	3,017,107

## UNCLASSIFIED

Defense-Wide  
 FY 2020 President's Budget  
 Exhibit P-1 FY 2020 President's Budget  
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 (Dollars in Thousands)

25 Feb 2019

Appropriation -----	FY 2020 Base -----	FY 2020 OCO for Base Requirements -----	FY 2020 OCO for Direct War and Enduring Costs -----	FY 2020 Total OCO -----
Procurement, Defense-Wide	2,192,892		375,277	375,277
Total Defense-Wide	2,192,892		375,277	375,277

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Defense-Wide  
FY 2020 President's Budget  
Exhibit P-1 FY 2020 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

25 Feb 2019

Appropriation  
-----

FY 2020  
Total  
(Base + OCO)  
-----

Procurement, Defense-Wide

2,568,169

Total Defense-Wide

2,568,169

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Defense-Wide  
FY 2020 President's Budget  
Exhibit P-1 FY 2020 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

25 Feb 2019

Organization: Procurement, Defense-Wide  
-----

U.S., Special Operations Command, SOCOM

Total

FY 2018  
(Base + OCO)  
-----

FY 2019  
Base Enacted  
-----

FY 2019  
OCO Enacted  
-----

FY 2019  
Total Enacted  
-----

2,541,308

2,507,865

509,242

3,017,107

2,541,308

2,507,865

509,242

3,017,107

UNCLASSIFIED

Defense-Wide  
FY 2020 President's Budget  
Exhibit P-1 FY 2020 President's Budget  
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(Dollars in Thousands)

25 Feb 2019

Organization: Procurement, Defense-Wide -----	FY 2020 Base -----	FY 2020 OCO for Base Requirements -----	FY 2020 OCO for Direct War and Enduring Costs -----	FY 2020 Total OCO -----
U.S., Special Operations Command, SOCOM	2,192,892		375,277	375,277
Total	2,192,892		375,277	375,277

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Defense-Wide  
FY 2020 President's Budget  
Exhibit P-1 FY 2020 President's Budget  
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(Dollars in Thousands)

25 Feb 2019

Organization: Procurement, Defense-Wide -----	FY 2020 Total (Base + OCO) -----
U.S., Special Operations Command, SOCOM	2,568,169
Total	2,568,169



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Defense-Wide  
FY 2020 President's Budget  
Exhibit P-1 FY 2020 President's Budget  
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(Dollars in Thousands)

25 Feb 2019

Appropriation: Procurement, Defense-Wide

Budget Activity -----	FY 2018 (Base + OCO) -----	FY 2019 Base Enacted -----	FY 2019 OCO Enacted -----	FY 2019 Total Enacted -----
02. Special Operations Command	2,541,308	2,507,865	509,242	3,017,107
Total Procurement, Defense-Wide	2,541,308	2,507,865	509,242	3,017,107

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Defense-Wide  
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Exhibit P-1 FY 2020 President's Budget  
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25 Feb 2019

Appropriation: Procurement, Defense-Wide

Budget Activity -----	FY 2020 Base -----	FY 2020 OCO for Base Requirements -----	FY 2020 OCO for Direct War and Enduring Costs -----	FY 2020 Total OCO -----
02. Special Operations Command	2,192,892		375,277	375,277
Total Procurement, Defense-Wide	2,192,892		375,277	375,277

UNCLASSIFIED

Defense-Wide  
FY 2020 President's Budget  
Exhibit P-1 FY 2020 President's Budget  
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(Dollars in Thousands)

25 Feb 2019

Appropriation: Procurement, Defense-Wide

Budget Activity -----	FY 2020 Total (Base + OCO) -----
02. Special Operations Command	2,568,169
Total Procurement, Defense-Wide	2,568,169

## UNCLASSIFIED

Defense-Wide  
 FY 2020 President's Budget  
 Exhibit P-1 FY 2020 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

25 Feb 2019

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2018 (Base + OCO) Quantity Cost	FY 2019 Base Enacted Quantity Cost	FY 2019 OCO Enacted Quantity Cost	FY 2019 Total Enacted Quantity Cost	S e c
Budget Activity 02: Special Operations Command							
Aviation Programs							
50	Manned ISR		15,900		5,000	5,000	U
51	MC-12		38,436		5,000	5,000	U
52	MH-60 Blackhawk	A			27,600	27,600	U
53	Rotary Wing Upgrades and Sustainment		149,747	146,526		146,526	U
54	Unmanned ISR	A	69,923	57,708	17,000	74,708	U
55	Non-Standard Aviation		26,703	18,731	13,000	31,731	U
56	U-28		51,832	32,301	51,722	84,023	U
57	MH-47 Chinook	4	244,115	131,033	36,500	167,533	U
58	CV-22 Modification		42,178	32,529		32,529	U
59	MQ-9 Unmanned Aerial Vehicle		41,440	24,621		24,621	U
60	Precision Strike Package		219,728	226,965		226,965	U
61	AC/MC-130J		164,837	160,681		160,681	U
62	C-130 Modifications		31,695	80,274		80,274	U
Shipbuilding							
63	Underwater Systems		78,831	132,023		132,023	U
Ammunition Programs							
64	Ordnance Items <\$5M		173,584	325,042	100,850	425,892	U

P-120PB: FY 2020 President's Budget (Published Version), as of February 25, 2019 at 09:34:59

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Defense-Wide  
 FY 2020 President's Budget  
 Exhibit P-1 FY 2020 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

25 Feb 2019

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2020 Base Quantity	FY 2020 Base Cost	FY 2020 OCO for Base Requirements Quantity	FY 2020 OCO for Base Requirements Cost	FY 2020 OCO for Direct War and Enduring Costs Quantity	FY 2020 OCO for Direct War and Enduring Costs Cost	FY 2020 Total OCO Quantity	FY 2020 Total OCO Cost	S e c
Budget Activity 02: Special Operations Command											
-----											
Aviation Programs											
50	Manned ISR						5,000		5,000		U
51	MC-12						5,000		5,000		U
52	MH-60 Blackhawk	A					28,100		28,100		U
53	Rotary Wing Upgrades and Sustainment			172,020							U
54	Unmanned ISR	A		15,208			8,207		8,207		U
55	Non-Standard Aviation			32,310							U
56	U-28			10,898			31,500		31,500		U
57	MH-47 Chinook			173,812			37,500		37,500		U
58	CV-22 Modification			17,256							U
59	MQ-9 Unmanned Aerial Vehicle			5,338			1,900		1,900		U
60	Precision Strike Package			232,930							U
61	AC/MC-130J			173,419							U
62	C-130 Modifications			15,582							U
Shipbuilding											
63	Underwater Systems			58,991							U
Ammunition Programs											
64	Ordnance Items <\$5M			279,992			138,252		138,252		U

P-120PB: FY 2020 President's Budget (Published Version), as of February 25, 2019 at 09:34:59

UNCLASSIFIED

## UNCLASSIFIED

Defense-Wide  
 FY 2020 President's Budget  
 Exhibit P-1 FY 2020 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

25 Feb 2019

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2020 Total (Base + OCO) Quantity Cost	S e c
----	-----	-----	-----	-----
Budget Activity 02: Special Operations Command -----				
Aviation Programs				
50	Manned ISR		5,000	U
51	MC-12		5,000	U
52	MH-60 Blackhawk	A	28,100	U
53	Rotary Wing Upgrades and Sustainment		172,020	U
54	Unmanned ISR	A	23,415	U
55	Non-Standard Aviation		32,310	U
56	U-28		42,398	U
57	MH-47 Chinook		211,312	U
58	CV-22 Modification		17,256	U
59	MQ-9 Unmanned Aerial Vehicle		7,238	U
60	Precision Strike Package		232,930	U
61	AC/MC-130J		173,419	U
62	C-130 Modifications		15,582	U
Shipbuilding				
63	Underwater Systems		58,991	U
Ammunition Programs				
64	Ordnance Items <\$5M		418,244	U

P-120PB: FY 2020 President's Budget (Published Version), as of February 25, 2019 at 09:34:59

UNCLASSIFIED

## UNCLASSIFIED

Defense-Wide  
 FY 2020 President's Budget  
 Exhibit P-1 FY 2020 President's Budget  
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 (Dollars in Thousands)

25 Feb 2019

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2018 (Base + OCO) Quantity Cost	FY 2019 Base Enacted Quantity Cost	FY 2019 OCO Enacted Quantity Cost	FY 2019 Total Enacted Quantity Cost	S e c
Other Procurement Programs							
65	Intelligence Systems		124,408	85,699	16,500	102,199	U
66	Distributed Common Ground/Surface Systems		15,685	17,863		17,863	U
67	Other Items <\$5M		52,718	111,727	7,700	119,427	U
68	Combatant Craft Systems		40,772	15,913		15,913	U
69	Special Programs		13,729	14,026		14,026	U
70	Tactical Vehicles		110,271	85,608	59,891	145,499	U
71	Warrior Systems <\$5M		287,513	437,364	21,135	458,499	U
72	Combat Mission Requirements		19,570	19,408	10,000	29,408	U
73	Global Video Surveillance Activities		3,589	6,281		6,281	U
74	Operational Enhancements Intelligence		25,087	18,509	10,805	29,314	U
75	Operational Enhancements		499,017	327,033	126,539	453,572	U
Total Special Operations Command			2,541,308	2,507,865	509,242	3,017,107	
Total Procurement, Defense-Wide			2,541,308	2,507,865	509,242	3,017,107	

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Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2020 Base Quantity	Cost	FY 2020 OCO for Base Requirements Quantity	Cost	FY 2020 OCO for Direct War and Enduring Costs Quantity	Cost	FY 2020 Total OCO Quantity	Cost	S e c
Other Procurement Programs											
65	Intelligence Systems		100,641				16,500		16,500		U
66	Distributed Common Ground/Surface Systems		12,522								U
67	Other Items <\$5M		103,910				28		28		U
68	Combatant Craft Systems		33,088								U
69	Special Programs		63,467								U
70	Tactical Vehicles		77,832				2,990		2,990		U
71	Warrior Systems <\$5M		298,480				37,512		37,512		U
72	Combat Mission Requirements		19,702				10,000		10,000		U
73	Global Video Surveillance Activities		4,787								U
74	Operational Enhancements Intelligence		8,175				7,594		7,594		U
75	Operational Enhancements		282,532				45,194		45,194		U
Total Special Operations Command			2,192,892				375,277		375,277		
Total Procurement, Defense-Wide			2,192,892				375,277		375,277		



UNCLASSIFIED

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Appropriation: 0300D Procurement, Defense-Wide

Line			FY 2020	
No	Item Nomenclature	Ident	Total	S
		Code	(Base + OCO)	e
			Quantity	Cost
				c
Other Procurement Programs				
65	Intelligence Systems		117,141	U
66	Distributed Common Ground/Surface Systems		12,522	U
67	Other Items <\$5M		103,938	U
68	Combatant Craft Systems		33,088	U
69	Special Programs		63,467	U
70	Tactical Vehicles		80,822	U
71	Warrior Systems <\$5M		335,992	U
72	Combat Mission Requirements		29,702	U
73	Global Video Surveillance Activities		4,787	U
74	Operational Enhancements Intelligence		15,769	U
75	Operational Enhancements		327,726	U
Total Special Operations Command			2,568,169	
Total Procurement, Defense-Wide			2,568,169	

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United States Special Operations Command • Budget Estimates FY 2020 • Procurement

Line Item Table of Contents (by Appropriation then Line Number)

Appropriation 0300D: Procurement, Defense-Wide

Line #	BA	BSA	Line Item Number	Line Item Title	Page
50	02	01	0201MANISR	MANNED ISR.....	Volume 1 - 1
51	02	01	0201MC12	MC-12.....	Volume 1 - 5
52	02	01	0201MH60	MH-60 BLACKHAWK.....	Volume 1 - 9
53	02	01	0201RWUPGR	ROTARY WING UPGRADES AND SUSTAINMENT.....	Volume 1 - 19
54	02	01	0201UMNISR	UNMANNED ISR.....	Volume 1 - 53
55	02	01	0207NSAV	NON-STANDARD AVIATION.....	Volume 1 - 59
56	02	01	0607U28	U-28.....	Volume 1 - 69
57	02	01	0610MH47	MH-47 CHINOOK.....	Volume 1 - 77
58	02	01	1000CV2200	CV-22 MODIFICATION.....	Volume 1 - 87
59	02	01	1108MQ9	MQ-9 UNMANNED AERIAL VEHICLE.....	Volume 1 - 101
60	02	01	1202PSP	PRECISION STRIKE PACKAGE.....	Volume 1 - 107
61	02	01	2012C130J	AC/MC-130J.....	Volume 1 - 113
62	02	01	5000C13000	C-130 MODIFICATIONS.....	Volume 1 - 137
63	02	02	2010US	UNDERWATER SYSTEMS.....	Volume 1 - 141
64	02	03	0203ORD	ORDNANCE ITEMS <\$5M.....	Volume 1 - 145
65	02	04	020400INTL	INTELLIGENCE SYSTEMS.....	Volume 1 - 151

UNCLASSIFIED

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United States Special Operations Command • Budget Estimates FY 2020 • Procurement

***Appropriation 0300D: Procurement, Defense-Wide***

---

Line #	BA	BSA	Line Item Number	Line Item Title	Page
66	02	04	020401INTL	DISTRIBUTED COMMON GROUND/SURFACE SYSTEM.....	Volume 1 - 159
67	02	04	0204OTHER	OTHER ITEMS <\$5M.....	Volume 1 - 163
68	02	04	0204SCCS	COMBATANT CRAFT SYSTEMS.....	Volume 1 - 169
69	02	04	0204SPCPRG	SPECIAL PROGRAMS.....	Volume 1 - 175
70	02	04	0204TACVEH	TACTICAL VEHICLES.....	Volume 1 - 177
71	02	04	0204WARSYS	WARRIOR SYSTEMS <\$5M.....	Volume 1 - 181
72	02	04	0206CMR	COMBAT MISSION REQUIREMENTS.....	Volume 1 - 195
73	02	04	0607GVAS	GLOBAL VIDEO SURVEILLANCE ACTIVITIES.....	Volume 1 - 199
74	02	04	0607OEI	OPERATIONAL ENHANCEMENTS INTELLIGENCE.....	Volume 1 - 201
75	02	04	2143369000	OPERATIONAL ENHANCEMENTS.....	Volume 1 - 203

**UNCLASSIFIED**

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United States Special Operations Command • Budget Estimates FY 2020 • Procurement

**Line Item Table of Contents (Alphabetically by Line Item Title)**

<b>Line Item Title</b>	<b>Line Item Number</b>	<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Page</b>
AC/MC-130J	2012C130J	61	02	01.....	Volume 1 - 113
C-130 MODIFICATIONS	5000C13000	62	02	01.....	Volume 1 - 137
COMBAT MISSION REQUIREMENTS	0206CMR	72	02	04.....	Volume 1 - 195
COMBATANT CRAFT SYSTEMS	0204SCCS	68	02	04.....	Volume 1 - 169
CV-22 MODIFICATION	1000CV2200	58	02	01.....	Volume 1 - 87
DISTRIBUTED COMMON GROUND/SURFACE SYSTEM	020401INTL	66	02	04.....	Volume 1 - 159
GLOBAL VIDEO SURVEILLANCE ACTIVITIES	0607GVAS	73	02	04.....	Volume 1 - 199
INTELLIGENCE SYSTEMS	020400INTL	65	02	04.....	Volume 1 - 151
MANNED ISR	0201MANISR	50	02	01.....	Volume 1 - 1
MC-12	0201MC12	51	02	01.....	Volume 1 - 5
MH-47 CHINOOK	0610MH47	57	02	01.....	Volume 1 - 77
MH-60 BLACKHAWK	0201MH60	52	02	01.....	Volume 1 - 9
MQ-9 UNMANNED AERIAL VEHICLE	1108MQ9	59	02	01.....	Volume 1 - 101
NON-STANDARD AVIATION	0207NSAV	55	02	01.....	Volume 1 - 59
OPERATIONAL ENHANCEMENTS	2143369000	75	02	04.....	Volume 1 - 203
OPERATIONAL ENHANCEMENTS INTELLIGENCE	0607OEI	74	02	04.....	Volume 1 - 201
ORDNANCE ITEMS <\$5M	0203ORD	64	02	03.....	Volume 1 - 145

**UNCLASSIFIED**

**UNCLASSIFIED**

United States Special Operations Command • Budget Estimates FY 2020 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
OTHER ITEMS <\$5M	0204OTHER	67	02	04.....	Volume 1 - 163
PRECISION STRIKE PACKAGE	1202PSP	60	02	01.....	Volume 1 - 107
ROTARY WING UPGRADES AND SUSTAINMENT	0201RWUPGR	53	02	01.....	Volume 1 - 19
SPECIAL PROGRAMS	0204SPCPRG	69	02	04.....	Volume 1 - 175
TACTICAL VEHICLES	0204TACVEH	70	02	04.....	Volume 1 - 177
U-28	0607U28	56	02	01.....	Volume 1 - 69
UNDERWATER SYSTEMS	2010US	63	02	02.....	Volume 1 - 141
UNMANNED ISR	0201UMNISR	54	02	01.....	Volume 1 - 53
WARRIOR SYSTEMS <\$5M	0204WARSYS	71	02	04.....	Volume 1 - 181

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## ACRONYMS

Acronym	Full Naming Convention
A2/AD	Anti-Access/Area Denial
AA	Air-to-Air
AbMN	Airborne Mission Networking
ACT	AFT Cabin Trainer
ADS-B	Automatic Dependent Surveillance-Broadcast
A&FC	Airworthiness and Flight Characteristics
AI	Artificial Intelligence
AISR	Airborne Intelligence, Surveillance, Reconnaissance
ALFPK	Austere Location Force Protection Kits
AM	Amplitude Modulation
AMN	Airborne Mission Network
AMS	Aviation Management System
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
BOA	Basic Ordering Agreement
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

## ACRONYMS

C4IAS	Command, Control, Communications, and Computer Intelligence Automation Systems
CA	Civil Affairs
CAAS	Common Avionics Architecture Systems
CAR	Combat Assault Rifle
CASEVAC	Casualty Evacuation
CBA	Cost Benefit Analysis
CBSA	Chase Boat Situational Awareness
CCFLIR	Combatant Craft Forward Looking Infrared Radar
CCA	Combatant Craft - Assault
CCH	Combatant Craft - Heavy
CCM	Combatant Craft - Medium
CCME	Combatant Craft Mission Equipment
CDR	Critical Design Review
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
CMS	Combat Mission Simulator
CNVD	Clip-On Night Vision Device
COD	Correction of Deficiencies
COP	Common Operational Picture
COSI	Clip-On Short Wave Infrared Imager
COTI	Clip-On Thermal Imager
COTM	Communications-on-the-Move
COTS	Commercial-Off-The-Shelf
CP	Counter-Proliferation
CPD	Capabilities Production Document



## ACRONYMS

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
DI2E	Defense Intelligence Information Environment
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
ECOS	Enhanced Combat Optical Sights
ECP	Engineering Change Proposal
EDM	Engineering Development Model
EGPWS	Enhanced Ground Proximity Warning
ELINT	Electronic Intelligence
EMD	Engineering and Manufacturing Development
ENT/ASIF	Enterprise All Source Information Fusion
EO/IR	Electro-Optical Infrared
EOTACS	Expeditionary Organic Tactical AISR Capability Set
ER	Extended Range
ESA	Enhanced Situational Awareness
ETI	Evolutionary Technology Insertion
EUD	End User Devices

## ACRONYMS

EW	Electronic Warfare
FABS	Fly-Away Broadcast System
FAR	Federal Acquisition Regulation
FADE	Fusion Analysis and Development Effort
FCD	Field Computing Devices
FFRDC	Federally Funded Research Development Center
FDWS	Forward Defensive Weapon System
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
GCS	Ground Control Station
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
GTR	Gun Training Room
HEL	High Energy Laser
HF	High Frequency
HFIS	Hostile Fire Indicator System

## ACRONYMS

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
IRAD	Industrial Research and Development
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
JTAC	Joint Terminal Attack Controller
JTWS	Joint Threat Warning System
LAM	Laser Aiming Marker
LCM	Low Cost Modification
LCS	Load Carriage System
LFT&E	Live Fire Test and Evaluation
LiDAR	Light Detection and Ranging
LMAMS	Lethal Miniature Aerial Munition Systems
LOS	Line of Sight
LPI/LPD	Low Probability of Intercept/Low Probably of Detection

## ACRONYMS

LRBS	Long Range Broadcast System
LRE	Long Range Endurance
LRIP	Low Rate Initial Production
LRU	Line Replaceable Unit
LSDB	Laser--Small Diameter Bomb
LTATV	Lightweight Tactical All Terrain Vehicle
LWIR	Long-Wave Infrared
MAAWS	Multi-Purpose Anti-Armor/Anti-Personnel Weapons System
MANET	Mobile Ad-hoc Networking
MCE	Military Construction Collateral Equipment
MEDVAC	Medical Evacuation
MELB	Mission Enhanced Little Bird
MERIT	Military Exploitation of Reconnaissance and Intelligence Technology
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
MMP	Multi-Mission Payload
MPE	Maritime Precision Engagement
MPU	Mission Processor Unit
MS	Milestone
MSSEP	Mobile SOF Strategic Entry Points
MTA	Middle Tier Acquisition
MTD	Mission Training Devices
MTPS	Mission Training and Preparation Systems
MTS-B	Multi-Spectral Targeting System--B

## ACRONYMS

MTTE	Maritime Technology Transition and Exploitation
MWC	Mid-Water Column
MWIR	Mid-Wave Infrared
MWS	Missile Warning System
NDI	Non-Developmental Item
NDS	National Defense Strategy
NET	New Equipment Training
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
NLP	Natural Language Processing
NM	Nautical Mile
NRE	Non-Recurring Engineering
NSAV	Non-Standard Aviation
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
PDR	Preliminary Design Review
PE	Program Element
PED	Processing, Exploitation, and Dissemination

## ACRONYMS

PGL	Precision Geo Location
PGM	Precision Guided Munitions
PISA	Predator Integrated Signals Intelligence Architecture
PME	Prime Mission Equipment
POR	Program of Record
PSM	Personal Signature Management
PSP	Precision Strike Package
PTT	Part Task Trainer
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
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
SCE	Special Communications Enterprise
SCO	SOF Cryptologic Operator
SDB	Small Diameter Bomb
SDN	SOF Deployable Node
SDN-EP	SOF Deployable Node--Extension Packages

## ACRONYMS

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
SIM	Sensor Integration Module
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
SOFS	Special Operations Forces Support Activity
SOMPE	Special Operations Mission Planning and Execution
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

## ACRONYMS

STAMP	SOCOM Tactical Airborne Multi-Sensor Platform
STC	SOF Tactical Communications
STLD	Small Target Location Devices
STTR	Small Business Technology Transfer
STUAS	Small Tactical Unmanned Aerial Systems
SURG	Suppressed Upper Receiver Group
SWAP	Size, Weight and Power
SWCS	Shallow Water Combat Submersible
SWIR	Shortwave Infrared
TACLAN	Tactical Local Area Network
TAK	Tactical Assault Kit
TALOS	Tactical Assault Lightweight Operator Suit
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
TMS	Tactical Mission Systems
TMMR	Technology Maturation and Risk Reduction
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
UARC	University Affiliated Research Agreement
UAS	Unmanned Aircraft System
UAV	Unmanned Aerial Vehicle
UGS/UMS	Unattended Ground Sensors/Unattended Maritime Sensors
UHF	Ultra High Frequency



## ACRONYMS

UI	User Interface
URG	Upper Receiver Groups
VAK	Virtual Accompany Kits
VAS	Visual Augmentation Systems
VAS-BM	Visual Augmentation-Binocular-Monocular
VASWA	Visual Augmentation System-Weapons Accessories
VBIED	Vehicle-Borne Improvised Explosive Device
VBL	Visible Bright Light
VBSS	Visit, Board, Search, and Seizure
VHF	Very High Frequency
VTC	Video Teleconferencing
VTOL	Vertical Take Off and Landing
WAN	Wide Area Network
WPAN	Wireless Personal Area Networks
WPNAC	Weapons Accessories

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	<b>P-1 Line Item Number / Title:</b> 0201MANISR / MANNED ISR
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> 1160433BB	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** 0000

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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	5.000	5.000	5.000	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	5.000	5.000	5.000	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	5.000	5.000	5.000	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. Middle-Tier Acquisition (2016 NDAA, Section 804) to accommodate rapid fielding, may be utilized. 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 2018 and FY 2019 Overseas Contingency Operations (OCO) funding. This P-1 line item includes \$5.000 million FY2020 enduring OCO funding.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command								<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs						<b>P-1 Line Item Number / Title:</b> 0201MANISR / MANNED ISR				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):				<b>Program Elements for Code B Items:</b> 1160433BB			<b>Other Related Program Elements:</b> N/A			
<b>Line Item MDAP/MAIS Code:</b> 0000										
Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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	- / 5.000
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 7.300</b>	<b>- / 15.900</b>	<b>- / 5.000</b>	<b>- / -</b>	<b>- / 5.000</b>	<b>- / 5.000</b>
<small>*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.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										

**Justification:**

FY2020 OCO PROGRAM JUSTIFICATION: Procures low cost modifications for the SOCOM Tactical Airborne Multi-Sensor Platforms (STAMP).

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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																				
1 / Low Cost Modifications Overseas Contingency Operations (OCO)			-	-	7.300	-	-	15.900	-	-	5.000	-	-	-	-	-	5.000	-	-	5.000
Subtotal: Manned ISR Hardware			-	-	7.300	-	-	15.900	-	-	5.000	-	-	-	-	-	5.000	-	-	5.000
Total			-	-	7.300	-	-	15.900	-	-	5.000	-	-	-	-	-	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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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							<b>P-1 Line Item Number / Title:</b> 0201MC12 / MC-12					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):				<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> N/A				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	77.957	38.436	5.000	-	5.000	5.000	5.000	5.000	5.000	5.000	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	77.957	38.436	5.000	-	5.000	5.000	5.000	5.000	5.000	5.000	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>77.957</b>	<b>38.436</b>	<b>5.000</b>	<b>-</b>	<b>5.000</b>	<b>5.000</b>	<b>5.000</b>	<b>5.000</b>	<b>5.000</b>	<b>5.000</b>	<b>Continuing</b>	<b>Continuing</b>
<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> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b> This P-1 Line Item is part of the Military Intelligence Program. The mission of the MC-12W/Javaman is to provide a manned fixed wing capability for improved tactical airborne Intelligence, Surveillance, Reconnaissance (ISR), and Targeting in support of Theater Special Operations Forces. This line funds SOF peculiar modifications and rapid fielding 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 (OCO) funding in FY 2018 and FY 2019. This P-1 line item includes \$5.000 million of FY2020 enduring OCO funding.												

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command								<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs						<b>P-1 Line Item Number / Title:</b> 0201MC12 / MC-12				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):				<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> N/A			
<b>Line Item MDAP/MAIS Code:</b> N/A										
Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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 Aircraft				- / 77.957	- / 38.436	- / 5.000	- / -	- / 5.000	- / 5.000
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 77.957</b>	<b>- / 38.436</b>	<b>- / 5.000</b>	<b>- / -</b>	<b>- / 5.000</b>	<b>- / 5.000</b>
<small>*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.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										
<b>Justification:</b> FY2020 OCO PROGRAM JUSTIFICATION: Procures modifications and 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 2020 United States Special Operations Command															Date: March 2019					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1						P-1 Line Item Number / Title: 0201MC12 / MC-12									Aggregated Items Title: MC-12 Aircraft					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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 - MC-12 Modification																				
1.1 / MC-12 Modification Overseas Contingency Operations (OCO)			-	-	38.135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2 / Global Positioning System Improvements OCO			-	-	15.000	-	-	15.000	-	-	-	-	-	-	-	-	-	-	-	-
1.3 / Remote SIGINT Operation OCO			-	-	-	-	-	11.408	-	-	-	-	-	-	-	-	-	-	-	-
1.4 / SIGINT System Upgrades OCO			-	-	-	-	-	7.028	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1 - MC-12 Modification			-	-	53.135	-	-	33.436	-	-	-	-	-	-	-	-	-	-	-	-
2 - Low Cost Modification																				
2.1 / Low Cost Modifications - OCO			-	-	24.822	-	-	5.000	-	-	5.000	-	-	-	-	-	5.000	-	-	5.000
Subtotal: 2 - Low Cost Modification			-	-	24.822	-	-	5.000	-	-	5.000	-	-	-	-	-	5.000	-	-	5.000
Total			-	-	77.957	-	-	38.436	-	-	5.000	-	-	-	-	-	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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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							<b>P-1 Line Item Number / Title:</b> 0201MH60 / MH-60 BLACKHAWK					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):				<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> 1160482BB				
<b>Line Item MDAP/MAIS Code:</b> 0000												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	925.213	-	27.600	-	28.100	28.100	28.100	-	-	-	-	1,009.013
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	925.213	-	27.600	-	28.100	28.100	28.100	-	-	-	-	1,009.013
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	<b>925.213</b>	<b>-</b>	<b>27.600</b>	<b>-</b>	<b>28.100</b>	<b>28.100</b>	<b>28.100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,009.013</b>
<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>	32.910	-	-	-	-	-	-	-	-	-	-	32.910
Flyaway Unit Cost <i>(\$ in Millions)</i>	18.600	-	25.485	-	23.107	23.107	23.107	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b> 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. These aircraft are used to infiltrate, provide logistics for, reinforce, provide close air support, and extract SOF. The MH-60 program provides ARSOA with a single model aircraft prepared to support the SOF ground force commander into the foreseeable future. This program received FY2019 Overseas Contingency Operations (OCO) funding to replace one MH-60M aircraft loss in August 2017. This P-1 line item includes \$28.100 million of FY2020 direct OCO funding.												

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command					<b>Date:</b> March 2019				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs					<b>P-1 Line Item Number / Title:</b> 0201MH60 / MH-60 BLACKHAWK				

<b>ID Code</b> (A=Service Ready, B=Not Service Ready):		<b>Program Elements for Code B Items:</b> N/A		<b>Other Related Program Elements:</b> 1160482BB	
<b>Line Item MDAP/MAIS Code:</b> 0000					

Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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			1 / 18.600	- / -	1 / 27.600	- / -	1 / 28.100	1 / 28.100
P-40a	Modifications Prior Years				- / 906.613	- / -	- / -	- / -	- / -	- / -
P-40	<b>Total Gross/Weapon System Cost</b>				<b>- / 925.213</b>	<b>- / -</b>	<b>- / 27.600</b>	<b>- / -</b>	<b>- / 28.100</b>	<b>- / 28.100</b>

Exhibits Schedule					FY 2021	FY 2022	FY 2023	FY 2024	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	1 / MH-60 BLACKHAWK	P-5a, P-21			- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Modifications Prior Years				- / 0.000	- / -	- / -	- / -	- / -	- / -
P-40	<b>Total Gross/Weapon System Cost</b>				<b>- / 28.100</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 1,009.013</b>

\*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:**  
FY2020 OCO PROGRAM JUSTIFICATION: Funds SOF-unique modifications to replace one MH-60M Blackhawk aircraft loss in August 2018.

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Exhibit P-5, Cost Analysis: PB 2020 United States Special Operations Command													Date: March 2019					
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:								
Resource Summary				Prior Years		FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total				
Procurement Quantity <i>(Units in Each)</i>				1		-		1		-		1		1				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				18.600		-		27.600		-		28.100		28.100				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P-1) <i>(\$ in Millions)</i>				18.600		-		27.600		-		28.100		28.100				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				18.600		-		27.600		-		28.100		28.100				
(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>				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)	-	-	-	-	-	-	-	-	11.315	-	-	-	-	-	7.702	-	-	7.702
B Kits (OCO) <sup>(†)</sup>	18.600	1	18.600	-	-	-	14.170	1	14.170	-	-	-	15.405	1	15.405	15.405	1	15.405
Subtotal: Recurring Cost	-	-	18.600	-	-	-	-	-	25.485	-	-	-	-	-	23.107	-	-	23.107
Subtotal: Hardware - Government Furnished Equipment (OCO) Cost	-	-	18.600	-	-	-	-	-	25.485	-	-	-	-	-	23.107	-	-	23.107
Support - Support (OCO) Cost																		
Labor and Program Support	-	-	-	-	-	-	-	-	2.115	-	-	-	-	-	4.993	-	-	4.993
Subtotal: Support - Support (OCO) Cost	-	-	-	-	-	-	-	-	2.115	-	-	-	-	-	4.993	-	-	4.993
Gross/Weapon System Cost	-	1	18.600	-	-	-	-	1	27.600	-	-	-	-	1	28.100	-	1	28.100
<sup>(†)</sup> indicates the presence of a P-5a																		

<sup>(†)</sup> indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2020 United States Special Operations Command								<b>Date:</b> March 2019				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1				<b>P-1 Line Item Number / Title:</b> 0201MH60 / MH-60 BLACKHAWK				<b>Item Number / Title [DODIC]:</b> 1 / MH-60 BLACKHAWK				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
B Kits (OCO) <sup>(†)</sup>	✓	2017	Lockheed Martin / Lexington, KY	SS / CPFF	Fort Eustis,VA	Sep 2017	Jun 2019	1	18.600	Y		
B Kits (OCO) <sup>(†)</sup>	✓	2019	Lockheed Martin / Lexington, KY	SS / CPFF	Fort Eustis,VA	Jan 2019	Jan 2021	1	14.170	Y		
B Kits (OCO) <sup>(†)</sup>	✓	2020	Lockheed Martin / Lexington, KY	SS / CPFF	Fort Eustis,VA	Jan 2020	Jan 2022	1	15.405	Y		

<sup>(†)</sup> indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2020 United States Special Operations Command																				Date: March 2019														
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 2017										Fiscal Year 2018														BALANCE			
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017										Calendar Year 2018																	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
B Kits (OCO)																																		
✓	1	2017	SOCOM	1	0	1											A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
✓	1	2019	SOCOM	1	0	1																									1			
✓	1	2020	SOCOM	1	0	1																									1			
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				

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Exhibit P-21, Production Schedule: PB 2020 United States Special Operations Command																				Date: March 2019													
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
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019													Calendar Year 2020													
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
B Kits (OCO)																																	
✓	1	2017	SOCOM	1	0	1	-	-	-	-	-	-	-	-	-	1															0		
✓	1	2019	SOCOM	1	0	1				A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
✓	1	2020	SOCOM	1	0	1																A	-	-	-	-	-	-	-	-	1		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			



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Exhibit P-21, Production Schedule: PB 2020 United States Special Operations Command																				Date: March 2019															
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 2021												Fiscal Year 2022												BALANCE				
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021												Calendar Year 2022																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
B Kits (OCO)																																			
✓	1	2017	SOCOM	1	1	0																									0				
✓	1	2019	SOCOM	1	0	1	-	-	-	1																									0
✓	1	2020	SOCOM	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1											0				
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

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Exhibit P-21, Production Schedule: PB 2020 United States Special Operations Command									Date: March 2019			
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			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2020	1-8-5 For 2020	MAX For 2020	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	-	4	15	19	-	-	-	-

"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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<b>Exhibit P-40a, Budget Item Justification For Aggregated Modification Items:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1	<b>P-1 Line Item Number / Title:</b> 0201MH60 / MH-60 BLACKHAWK	<b>Aggregated Modification Items Title:</b> Modifications Prior Years
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Item Number / Title	ID CD	MDAP/ MAIS Code	Prior Years			FY 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)
Modifications Prior Years																				
1.1 / Modifications Prior Years			-	-	906.613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Modifications Prior Years			-	-	906.613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	906.613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Item Number / Title	ID CD	MDAP/ MAIS Code	FY 2021			FY 2022			FY 2023			FY 2024			To Complete			Total Cost		
			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)
Modifications Prior Years																				
1.1 / Modifications Prior Years			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Modifications Prior Years			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

**Modification Information:**

Item Number / Title	Models of Systems Affected	Modification Type
<b>Modifications Prior Years</b>		
1.1 / Modifications Prior Years	MH-60M	Safety of Flight/Reliability

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	<b>P-1 Line Item Number / Title:</b> 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1160482BB, 1160427BB, 1160403BB
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**Line Item MDAP/MAIS Code:** 0000

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	2,701.770	149.747	146.526	172.020	-	172.020	181.380	198.276	229.219	230.428	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	2,701.770	149.747	146.526	172.020	-	172.020	181.380	198.276	229.219	230.428	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	2,701.770	149.747	146.526	172.020	-	172.020	181.380	198.276	229.219	230.428	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> )	63.016	20.413	14.278	10.860	-	10.860	9.637	10.946	15.027	14.341	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 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), SOF Common Terrain Following/Terrain Avoidance (TF/TA) best known as Silent Knight Radar or AN/APQ-187, Mission Processor Upgrades (MPU), MH-60M Block Upgrades, and Degraded Visual Environment (DVE). When possible, Middle-Tier Acquisition (2016 NDAA Section 804) may also be used to accommodate rapid fielding of operational capabilities. 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.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	<b>P-1 Line Item Number / Title:</b> 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1160482BB, 1160427BB, 1160403BB
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**Line Item MDAP/MAIS Code:** 0000

Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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				- / 1,928.290	- / 27.748	- / 19.656	- / 26.268	- / -	- / 26.268
P-3a	9 / Degraded Visual Environment (DVE) Pilotage System (Added Capability)				- / 10.037	- / 10.155	- / -	- / 8.590	- / -	- / 8.590
P-3a	10 / SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar (Added Capability)				- / 130.392	- / 46.589	- / 57.707	- / 40.843	- / -	- / 40.843
P-3a	11 / Mission Processor Upgrades (MPU) (Added Capability)				- / 107.583	- / 24.751	- / 15.990	- / 24.173	- / -	- / 24.173
P-3a	12 / Aircraft Survivability Equipment (Survivability)				- / 509.076	- / 21.829	- / 14.103	- / 36.538	- / -	- / 36.538
P-3a	13 / MH-60 Block Upgrades (Added Capability)				- / 16.390	- / 7.277	- / 8.127	- / 8.330	- / -	- / 8.330
P-3a	14 / A/MH-6 Block Upgrades (Added Capability)				- / -	- / 11.398	- / 30.943	- / 27.278	- / -	- / 27.278
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 2,701.770</b>	<b>- / 149.747</b>	<b>- / 146.526</b>	<b>- / 172.020</b>	<b>- / -</b>	<b>- / 172.020</b>

Exhibits Schedule					FY 2021	FY 2022	FY 2023	FY 2024	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	9 / Degraded Visual Environment (DVE) Pilotage System (Added Capability)				- / 12.731	- / 13.047	- / 13.374	- / 13.617	Continuing	Continuing
P-3a	10 / SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar (Added Capability)				- / 41.657	- / 42.505	- / 43.372	- / 44.385	Continuing	Continuing
P-3a	11 / Mission Processor Upgrades (MPU) (Added Capability)				- / 19.079	- / 19.023	- / 18.625	- / 20.285	Continuing	Continuing
P-3a	12 / Aircraft Survivability Equipment (Survivability)				- / 43.127	- / 58.542	- / 86.405	- / 83.356	Continuing	Continuing
P-3a	13 / MH-60 Block Upgrades (Added Capability)				- / 9.448	- / 8.163	- / 8.332	- / 8.526	Continuing	Continuing
P-3a	14 / A/MH-6 Block Upgrades (Added Capability)				- / 27.778	- / 28.301	- / 28.837	- / 29.510	Continuing	Continuing
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 181.380</b>	<b>- / 198.276</b>	<b>- / 229.219</b>	<b>- / 230.428</b>	<b>Continuing</b>	<b>Continuing</b>

\*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), application of Commercial Engine Bulletins and Federal Aviation Administration Airworthiness directives, 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 2020 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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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		<b>P-1 Line Item Number / Title:</b> 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1160482BB, 1160427BB, 1160403BB
<b>Line Item MDAP/MAIS Code:</b> 0000		
<p>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.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures various hardware and software solutions to improve reliability and maintainability, correct deficiencies, addresses obsolescence, and incorporates mission critical capabilities.</p> <p>3.The MH-60 LCM include modifications to the MH-60 in order to provide mission payload, greater range, 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. This program supports modifications that are mission unique and time-sensitive.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures various hardware and software solutions to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate 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 upgrades. The upgrades will improve targeting, tracking, and aircrew situational awareness on Army Special Operations Aviation (ARSOA) light- and heavy-weight platforms.</p> <p>FY 2020 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 2020 PROGRAM JUSTIFICATION: Continues to procure modifications to aircrew training devices and production support. Begins Block 2 modification/upgrade on the MH-47G-1 CMS; Completes Block 3.0 modification/upgrade on the A/MH-6 Combat Mission Simulator (CMS).</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&amp;M individual item purchase threshold. Provides for in-service replacement of items damaged beyond economical repair.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures commercial spare parts.</p> <p>8.Secure Real Time Video (SRTV) program provides full motion video from ground or air assets to enable real-time threat assessment and to maximize 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>FY 2020 PROGRAM JUSTIFICATION: Procures other support.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2020 United States Special Operations Command		Date: March 2019
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, 1160427BB, 1160403BB
Line Item MDAP/MAIS Code: 0000		
<p>9.The Degraded Visual Environment Pilotage System (DVEPS) solution will fuse information from aircraft sensors 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. The AAQ-250 Brownout Camera (a sub-component of the DVE system) is being procured and fielded as an interim capability to provide the user with enhanced situational awareness ahead of the full DVE system. Procured Brownout Cameras will be provided as GFE to the vendor once production begins on DVE systems.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Begins procurement of two sensor DVE system. Procures 25 A Kits, avionics integration and production support.</p> <p>10.The SOF Common 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 (LRIP) III contract was awarded in June 2018. 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 2020 PROGRAM JUSTIFICATION: Procures 9 MH-47 9 B Kits, and 3 initial spares, and engineering change proposals.</p> <p>11.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 Tactical Mission Networking (TMN), formerly known as Airborne Mission Networking. This program also includes upgrades to the Common Avionics Architecture System (CAAS) (MH-60/MH-47) and the Aviation Management System (AMS) (A/MH-6), 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. TMN 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. TMN 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 2020 PROGRAM JUSTIFICATION: Procures 210 Auto-Dependent Surveillance Broadcast Software licenses, CAAS software updates and non-recurring engineering, 152 General Purpose Process Unit (GPPU) Power and Switch Modules/Video Processing Modules B kits, and 14 TMN A Kits, B kits, multiband network radios, software integration, non-recurring engineering and integration assets/support.</p> <p>12.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, and 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 Infrared Countermeasures (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, test and field a Department of Navy developmental lightweight IRCM system to include a missile warning system and countermeasure capability. The IRCM program will also develop, integrate, qualify, test and field an engine exhaust heat suppressor for the A/MH-6 MELB to reduce its heat signature and reduce the risk of engagement by heat-seeking missiles.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures 7 A/MH-6 IRCM A Kits, 5 IRCM B Kits, IRCM integration, integrated logistics and test support, SIRFC upgrades, flight test and fielding support.</p> <p>13.The MH-60M Block Upgrades program continues to modify the fleet of 72 U.S. Army Special Operations Forces (SOF) MH-60M aircraft. The current configuration (commonly referred to as Block 0) is already undergoing a Block 1 modification. The pace of technology and user requirements dictates new system configurations before OPTEMPO provides for complete fielding of Block 1. Known upgrades include Common Infrared Countermeasures, Terrain Following/Terrain Avoidance Radar, obsolescence of weapons targeting hardware, vibration reduction of direct fire weapons systems, integration of UES II, Airborne Mission Network, and future mission equipment technology insertions. This program will result in the most relevant and combat effective Army Special Operations Aviation (ARSOA) MH-60M platform,</p>		



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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		<b>P-1 Line Item Number / Title:</b> 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1160482BB, 1160427BB, 1160403BB
<b>Line Item MDAP/MAIS Code:</b> 0000		
<p>providing savings in operations and sustainment costs. The MH-60M provides the critically needed performance for high altitude, hot temperature, heavy aircraft missions commonly required to support Overseas Contingency Operations.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures 6 A Kits, 9 B Kits, system engineering, program support, and integrated logistics support for Block upgrades to MH-60M ARSOA aircraft and modifications.</p> <p>14.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 2020 PROGRAM JUSTIFICATION: Completes the non-recurring effort to establish the Boeing integrated airframe production line and funds the procurement of 7 avionics kits, 7 performance kits, 8 collective trim systems, 6 integrated airframe shells, 7 aircraft modifications, and integration support.</p> <p><b>Efforts with funding starting in FY 2021 through FY 2024 are summarized on the P-40. Not all details of this funding are included in this P-40 exhibit set. A summary of the excepted details is as follows:</b></p> <ul style="list-style-type: none"> <li>(a) FY 2021 Cost Delta: 27.560 million</li> <li>(b) FY 2022 Cost Delta: 28.695 million</li> <li>(c) FY 2023 Cost Delta: 30.274 million</li> <li>(d) FY 2024 Cost Delta: 30.749 million</li> </ul>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)			-	-	10.564	-	-	3.637	-	-	2.686	-	-	2.729	-	-	-	-	-	2.729
Subtotal: 1 - A/MH-6M Low Cost Modifications (LCM)			-	-	10.564	-	-	3.637	-	-	2.686	-	-	2.729	-	-	-	-	-	2.729
2 - MH-47 LCM																				
2.1 / LCM			-	-	12.961	-	-	3.483	-	-	2.394	-	-	2.932	-	-	-	-	-	2.932
Subtotal: 2 - MH-47 LCM			-	-	12.961	-	-	3.483	-	-	2.394	-	-	2.932	-	-	-	-	-	2.932
3 - MH-60 LCM																				
3.1 / LCM			-	-	12.332	-	-	2.489	-	-	2.537	-	-	4.569	-	-	-	-	-	4.569
Subtotal: 3 - MH-60 LCM			-	-	12.332	-	-	2.489	-	-	2.537	-	-	4.569	-	-	-	-	-	4.569
4 - MH-47 Block Upgrades																				
4.1 / A/B Kits			-	-	28.523	0.488	3	1.465	-	-	-	-	-	-	-	-	-	-	-	-
4.2 / Government Furnished Equipment/ Integration, Logistics Support, Publications			-	-	41.891	-	-	2.710	-	-	-	-	-	-	-	-	-	-	-	-
4.3 / Non-Recurring Engineering			-	-	41.632	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4 - MH-47 Block Upgrades			-	-	112.046	-	-	4.175	-	-	-	-	-	-	-	-	-	-	-	-
5 - Next Generation Forward Looking Infrared (NGFLIR)																				
5.1 / Sensor Payload Integration			-	-	-	-	-	0.634	-	-	-	-	-	0.948	-	-	-	-	-	0.948
Subtotal: 5 - Next Generation Forward Looking Infrared (NGFLIR)			-	-	-	-	-	0.634	-	-	-	-	-	0.948	-	-	-	-	-	0.948
6 - Simulator Block (SBUD) Upgrades																				
6.1 / Updates			-	-	32.340	-	-	8.870	-	-	9.206	-	-	9.400	-	-	-	-	-	9.400
6.2 / Production Support			-	-	5.729	-	-	1.432	-	-	1.456	-	-	1.477	-	-	-	-	-	1.477
Subtotal: 6 - Simulator Block (SBUD) Upgrades			-	-	38.069	-	-	10.302	-	-	10.662	-	-	10.877	-	-	-	-	-	10.877
7 - Commercial Spares																				
7.1 / Commercial Spares			-	-	6.706	-	-	3.028	-	-	1.377	-	-	1.412	-	-	-	-	-	1.412
Subtotal: 7 - Commercial Spares			-	-	6.706	-	-	3.028	-	-	1.377	-	-	1.412	-	-	-	-	-	1.412
8 - Secure Real Time Video (SRTV)																				
8.1 / A/B Kits			-	-	9.760	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2 / Other Support			-	-	6.709	-	-	-	-	-	-	-	-	2.801	-	-	-	-	-	2.801

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command																Date: March 2019				
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)
8.3 / Non-Recurring Engineering			-	-	7.537	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 8 - Secure Real Time Video (SRTV)			-	-	24.006	-	-	-	-	-	-	-	-	2.801	-	-	-	-	-	2.801
Prior Years Funding																				
Prior Years - Overseas Contingency Operations (OCO)			-	-	11.350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prior Years - Baseline			-	-	1,700.256	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Prior Years Funding			-	-	1,711.606	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	1,928.290	-	-	27.748	-	-	19.656	-	-	26.268	-	-	-	-	-	26.268

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

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1				<b>P-1 Line Item Number / Title:</b> 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT						<b>Modification Number / Title:</b> 9 / Degraded Visual Environment (DVE) Pilotage System		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	10.037	10.155	-	8.590	-	8.590	12.731	13.047	13.374	13.617	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	10.037	10.155	-	8.590	-	8.590	12.731	13.047	13.374	13.617	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>10.037</b>	<b>10.155</b>	<b>-</b>	<b>8.590</b>	<b>-</b>	<b>8.590</b>	<b>12.731</b>	<b>13.047</b>	<b>13.374</b>	<b>13.617</b>	<b>Continuing</b>	<b>Continuing</b>
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b> The Degraded Visual Environment Pilotage System (DVEPS) solution will fuse information from aircraft sensors 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. The AAQ-250 Brownout Camera (a sub-component of the DVE system) is being procured and fielded as an interim capability to provide the user with enhanced situational awareness ahead of the full DVE system. Procured Brownout Cameras will be provided as GFE to the vendor once production begins on DVE systems.												

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1				<b>P-1 Line Item Number / Title:</b> 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT						<b>Modification Number / Title:</b> 9 / Degraded Visual Environment (DVE) Pilotage System			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :								<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> MH-47/MH-60				<b>Modification Type:</b> Added Capability				<b>Related RDT&amp;E PEs:</b> 1160403BB					
<b>Financial Plan</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>	
	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)	
<b>Procurement</b>													
<b>Modification Item 1 of 1:</b> Degraded Visual Environment <sup>(1)</sup>													
A Kits													
Recurring													
Q-250 A-Kit (Camera)	66 / 2.218	30 / 2.087	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.305	
DVEPS A-Kit	- / -	- / -	- / -	25 / 7.500	- / -	25 / 7.500	13 / 3.650	13 / 3.723	13 / 3.797	11 / 3.873	Continuing	Continuing	
<b>Subtotal: Recurring</b>	<b>66 / 2.218</b>	<b>30 / 2.087</b>	<b>- / -</b>	<b>25 / 7.500</b>	<b>- / -</b>	<b>25 / 7.500</b>	<b>13 / 3.650</b>	<b>13 / 3.723</b>	<b>13 / 3.797</b>	<b>11 / 3.873</b>	<b>Continuing</b>	<b>Continuing</b>	
B Kits													
Recurring													
Q-250 B-Kit (Camera)	50 / 7.544	40 / 5.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.844	
DVEPS B-Kit	- / -	- / -	- / -	- / -	- / -	- / -	9 / 6.750	10 / 7.650	10 / 7.803	10 / 7.959	Continuing	Continuing	
<b>Subtotal: Recurring</b>	<b>50 / 7.544</b>	<b>40 / 5.300</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>9 / 6.750</b>	<b>10 / 7.650</b>	<b>10 / 7.803</b>	<b>10 / 7.959</b>	<b>Continuing</b>	<b>Continuing</b>	
Non-Recurring													
Avionics Integration	- / -	- / -	- / -	- / 1.004	- / -	- / 1.004	- / -	- / -	- / -	- / -	Continuing	Continuing	
<b>Subtotal: Non-Recurring</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 1.004</b>	<b>- / -</b>	<b>- / 1.004</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Subtotal: Degraded Visual Environment</b>	<b>- / 9.762</b>	<b>- / 7.387</b>	<b>- / -</b>	<b>- / 8.504</b>	<b>- / -</b>	<b>- / 8.504</b>	<b>- / 10.400</b>	<b>- / 11.373</b>	<b>- / 11.600</b>	<b>- / 11.832</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Subtotal: Procurement, All Modification Items</b>	<b>- / 9.762</b>	<b>- / 7.387</b>	<b>- / -</b>	<b>- / 8.504</b>	<b>- / -</b>	<b>- / 8.504</b>	<b>- / 10.400</b>	<b>- / 11.373</b>	<b>- / 11.600</b>	<b>- / 11.832</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Support (All Modification Items)</b>													
Production Support	- / 0.275	- / 2.768	- / -	- / 0.086	- / -	- / 0.086	- / 2.331	- / 1.674	- / 1.774	- / 1.785	Continuing	Continuing	
<b>Subtotal: Support</b>	<b>- / 0.275</b>	<b>- / 2.768</b>	<b>- / -</b>	<b>- / 0.086</b>	<b>- / -</b>	<b>- / 0.086</b>	<b>- / 2.331</b>	<b>- / 1.674</b>	<b>- / 1.774</b>	<b>- / 1.785</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Installation</b>													
<b>Subtotal: Installation</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	<b>10.037</b>	<b>10.155</b>	<b>-</b>	<b>8.590</b>	<b>-</b>	<b>8.590</b>	<b>12.731</b>	<b>13.047</b>	<b>13.374</b>	<b>13.617</b>	<b>Continuing</b>	<b>Continuing</b>	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command						<b>Date:</b> March 2019	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1			<b>P-1 Line Item Number / Title:</b> 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			<b>Modification Number / Title:</b> 9 / Degraded Visual Environment (DVE) Pilotage System	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 1:</b> Degraded Visual Environment							
<b>Manufacturer Information</b>							
Manufacturer Name: Sierra Nevada Corporation					Manufacturer Location: NV		
Administrative Leadtime ( <i>in Months</i> ): 0					Production Leadtime ( <i>in Months</i> ): 12		
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract Dates	Nov 2017		Feb 2020	Feb 2021	Feb 2022	Feb 2023	Feb 2024
Delivery Dates	Mar 2019		Feb 2021	Feb 2022	Feb 2023	Feb 2024	Feb 2025
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Contractor						<b>Installation Quantity:</b> 141	
<p><b>Footnotes:</b></p> <p><sup>(1)</sup> FY 2018 and prior B Kit funding procured Brownout Cameras as an interim capability. The B Kit budget for FY 2020 and beyond fields a two sensor system, having a higher B Kit unit cost.</p>							

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command						<b>Date:</b> March 2019					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1				<b>P-1 Line Item Number / Title:</b> 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT				<b>Modification Number / Title:</b> 10 / SOF Common Terrain Following/ Terrain Avoidance (TF/TA) (Silent Knight) Radar			

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ <i>in Millions</i> )	130.392	46.589	57.707	40.843	-	40.843	41.657	42.505	43.372	44.385	Continuing	Continuing
Less PY Advance Procurement (\$ <i>in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ <i>in Millions</i> )	130.392	46.589	57.707	40.843	-	40.843	41.657	42.505	43.372	44.385	Continuing	Continuing
Plus CY Advance Procurement (\$ <i>in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i> )	130.392	46.589	57.707	40.843	-	40.843	41.657	42.505	43.372	44.385	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> )	14.656	17.385	12.901	9.448	-	9.448	9.637	9.830	10.027	10.228	Continuing	Continuing
Gross/Weapon System Unit Cost (\$ <i>in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-

## Description:

This program procures a Special Operations Forces (SOF) Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar. The SOF Common TF/TA (Silent Knight) radar 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	Procured 4 low rate initial production units in FY 2013 that delivered in FY 2015
May 2016	Low Rate Initial Production IIA	Procured 10 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	Procured 8 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.
Jun 2018	Low Rate Initial Production III	Procured 11 (9 SKRs and 2 spares) low rate initial production units for rotary wing
Jul 2018	Sustainment of initial spares	Procured initial spares for rotary wing and fixed wing
Jul 2018	MH-47G/MH-60M software version 7.14.02 regression test	Successful qualification test of software release 7.14.02
Nov 2018	SKR Initial Operational Test and Evaluation on MH-47G/MH-60M	Successful IOT&E of SKR on MH-47G and MH-60M

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1				<b>P-1 Line Item Number / Title:</b> 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT						<b>Modification Number / Title:</b> 10 / SOF Common Terrain Following/ Terrain Avoidance (TF/TA) (Silent Knight) Radar			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :								<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> MH-47G/MH-60M/ MC-130/CV-22				<b>Modification Type:</b> Added Capability				<b>Related RDT&amp;E PEs:</b> 1160403BB					
<b>Financial Plan</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>	
	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)	
<b>RDT&amp;E PE #</b>													
1160403BB	- / 283.823	- / -	- / 1.212	- / 2.476	- / -	- / 2.476	- / 2.362	- / 2.097	- / 2.141	- / 2.191	- / -	- / 296.302	
<b>Procurement</b>													
<b>Modification Item 1 of 1:</b> SOF Common TF/TA (Silent Knight) Radar													
A Kits													
Recurring													
AN/APQ-187 (MH-47)	- / 1.521	- / 0.600	- / 0.900	- / 1.679	- / -	- / 1.679	- / 1.720	- / 1.817	- / 1.880	- / 2.163	Continuing	Continuing	
AN/APQ-187 (MH-60)	- / 0.785	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.785	
<b>Subtotal: Recurring</b>	- / 2.306	- / 0.600	- / 0.900	- / 1.679	- / -	- / 1.679	- / 1.720	- / 1.817	- / 1.880	- / 2.163	Continuing	Continuing	
B Kits													
Recurring													
AN/APQ-187	28 / 102.420	8 / 26.104	13 / 42.406	9 / 29.716	- / -	9 / 29.716	9 / 30.300	9 / 30.858	9 / 31.465	9 / 31.994	Continuing	Continuing	
Initial Spares (Radars)	4 / 14.656	2 / 6.526	3 / 9.786	3 / 9.448	- / -	3 / 9.448	3 / 9.637	3 / 9.830	3 / 10.027	3 / 10.228	Continuing	Continuing	
Initial Spares (Components)	- / -	- / 10.859	- / 3.115	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.974	
<b>Subtotal: Recurring</b>	32 / 117.076	10 / 43.489	16 / 55.307	12 / 39.164	- / -	12 / 39.164	12 / 39.937	12 / 40.688	12 / 41.492	12 / 42.222	Continuing	Continuing	
<b>Subtotal: SOF Common TF/TA (Silent Knight) Radar</b>	32 / 119.382	10 / 44.089	16 / 56.207	12 / 40.843	- / -	12 / 40.843	12 / 41.657	12 / 42.505	12 / 43.372	12 / 44.385	Continuing	Continuing	
<b>Subtotal: Procurement, All Modification Items</b>	32 / 119.382	10 / 44.089	16 / 56.207	12 / 40.843	- / -	12 / 40.843	12 / 41.657	12 / 42.505	12 / 43.372	12 / 44.385	Continuing	Continuing	
<b>Support (All Modification Items)</b>													
Engineering Change Proposals (ECPs)/Intra Contract Support	- / 9.591	- / 1.500	- / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.591	
Other	- / 1.419	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.419	
<b>Subtotal: Support</b>	- / 11.010	- / 2.500	- / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.010	
<b>Installation</b>													
<b>Subtotal: Installation</b>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	130.392	46.589	57.707	40.843	-	40.843	41.657	42.505	43.372	44.385	Continuing	Continuing	



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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command					Date: March 2019		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 10 / SOF Common Terrain Following/ Terrain Avoidance (TF/TA) (Silent Knight) Radar	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 1 of 1: SOF Common TF/TA (Silent Knight) Radar							
Manufacturer Information							
Manufacturer Name: Raytheon				Manufacturer Location: Forest, MS			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 16			
Dates	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Contract Dates	Jun 2018	Apr 2019	Apr 2020	Apr 2021	Apr 2022	Apr 2023	Apr 2024
Delivery Dates	Oct 2019	Aug 2020	Aug 2021	Aug 2022	Aug 2023	Aug 2024	Aug 2025
Installation Information							
Method of Implementation (Organic): Contractor					Installation Quantity: 141		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command							<b>Date:</b> March 2019				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1				<b>P-1 Line Item Number / Title:</b> 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT				<b>Modification Number / Title:</b> 11 / Mission Processor Upgrades (MPU)			

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	107.583	24.751	15.990	24.173	-	24.173	19.079	19.023	18.625	20.285	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	107.583	24.751	15.990	24.173	-	24.173	19.079	19.023	18.625	20.285	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	107.583	24.751	15.990	24.173	-	24.173	19.079	19.023	18.625	20.285	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>	1.946	-	-	-	-	-	-	-	-	-	0.000	1.946
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Mission Processor Upgrades (MPU) program provides for technology refreshment/upgrade/modernization of cockpit displays (Multi-Function Display and Control Display Units) and mission/video processors for all Army Special Operations Aviation (ARSOA) aircraft. 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. Tactical Mission Network (TMN), formerly known as Airborne Mission Network, 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. TMN 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.

<b>Development Status/Major Development Milestones</b>		
Date	Title	Description
Feb 2011	Mission Processor System Integration/Testing	
Sep 2016	TMN LRIP	
Nov 2017	GPPU LRIP and Production	

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command									Date: March 2019				
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 / 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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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													
Procurement													
Modification Item 1 of 6: Cockpit Display Upgrades													
B Kits													
Recurring													
A/MH-6 B Kits													
51 / 0.700													
MH-60 B Kits													
102 / 12.110													
Cockpit Display Retrofits													
- / 2.053													
MH-47G B Kits													
184 / 13.057													
Subtotal: Recurring													
337 / 27.920													
Non-Recurring													
Mission Processor Non-Recurring Engineering													
- / 4.181													
Initial Spares													
- / 1.946													
Subtotal: Non-Recurring													
- / 6.127													
Subtotal: Cockpit Display Upgrades													
- / 34.047													
Modification Item 2 of 6: Auto-Dependent Surveillance Broadcast (ADS-B)													
B Kits													
Recurring													
ADS-B Kits													
- / 0.018													
Subtotal: Recurring													
- / 0.018													
Subtotal: Auto-Dependent Surveillance Broadcast (ADS-B)													
- / 0.018													
Modification Item 3 of 6: Avionics Block Upgrades													
A Kits													
Recurring													
A-Kits													
- / 0.765													
Subtotal: Recurring													
- / 0.765													
Non-Recurring													
A-Kits													
- / -													

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command									Date: March 2019				
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 / 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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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)	
Subtotal: Non-Recurring	- / -	- / 1.283	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.283	
B Kits													
Recurring													
GATM Software	- / 8.805	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.805	
Prior Years (CDAS Software)	- / 1.645	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.645	
CAAS Software	- / 18.404	- / 3.819	- / -	- / 2.358	- / -	- / 2.358	- / 0.300	- / -	- / -	- / -	Continuing	Continuing	
AMS Software	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.421	- / 1.263	- / 0.453	- / 0.271	Continuing	Continuing	
Subtotal: Recurring	- / 28.854	- / 3.819	- / -	- / 2.358	- / -	- / 2.358	- / 2.721	- / 1.263	- / 0.453	- / 0.271	Continuing	Continuing	
Non-Recurring													
CAAS Block Upgrade Non-Recurring Engineering	- / 3.369	- / 0.054	- / -	- / 1.220	- / -	- / 1.220	- / -	- / -	- / -	- / -	Continuing	Continuing	
Nav DB Compiler	- / 0.743	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.743	
EGI Integration	- / 0.126	- / 0.365	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Non-Recurring	- / 4.238	- / 0.419	- / -	- / 1.220	- / -	- / 1.220	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Avionics Block Upgrades	- / 33.857	- / 8.198	- / -	- / 3.578	- / -	- / 3.578	- / 2.721	- / 1.263	- / 0.453	- / 0.271	Continuing	Continuing	
Modification Item 4 of 6: General Purpose Processor Unit (GPPU)													
B Kits													
Recurring													
Video Processing Module B Kits	- / 9.902	100 / 6.383	38 / 2.816	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.101	
Power Supply Module B Kits	- / -	- / -	39 / 2.816	152 / 9.880	- / -	152 / 9.880	96 / 6.240	66 / 4.290	42 / 2.730	- / -	Continuing	Continuing	
Subtotal: Recurring	- / 9.902	- / 6.383	- / 5.632	- / 9.880	- / -	- / 9.880	- / 6.240	- / 4.290	- / 2.730	- / -	Continuing	Continuing	
Non-Recurring													
GPPU Non-Recurring Engineering	- / 7.900	- / -	- / 0.627	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.527	
Subtotal: Non-Recurring	- / 7.900	- / -	- / 0.627	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.527	
Subtotal: General Purpose Processor Unit (GPPU)	- / 17.802	- / 6.383	- / 6.259	- / 9.880	- / -	- / 9.880	- / 6.240	- / 4.290	- / 2.730	- / -	Continuing	Continuing	
Modification Item 5 of 6: Tactical Mission Networking (TMN)													
A Kits													
Recurring													
A Kits	105 / 11.997	- / 1.048	- / 3.086	14 / 2.535	- / -	14 / 2.535	16 / 3.560	16 / 3.520	16 / 3.520	16 / 3.520	Continuing	Continuing	
Subtotal: Recurring	105 / 11.997	- / 1.048	- / 3.086	14 / 2.535	- / -	14 / 2.535	16 / 3.560	16 / 3.520	16 / 3.520	16 / 3.520	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command									Date: March 2019				
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 / 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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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)	
B Kits													
Recurring													
B Kits	- / 3.311	- / 3.999	30 / 0.985	- / 2.310	- / -	- / 2.310	- / 2.640	- / 2.640	- / 2.640	- / 2.640	Continuing	Continuing	
Multi-Band Network Radios	- / 0.456	- / -	- / 3.288	- / 2.615	- / -	- / 2.615	- / 2.535	- / 2.611	- / 2.640	- / 2.640	Continuing	Continuing	
Subtotal: Recurring	- / 3.767	- / 3.999	30 / 4.273	- / 4.925	- / -	- / 4.925	- / 5.175	- / 5.251	- / 5.280	- / 5.280	Continuing	Continuing	
Non-Recurring													
Software Integration	- / 0.864	- / 2.119	- / -	- / 1.496	- / -	- / 1.496	- / 0.669	- / 0.612	- / 0.868	- / 1.070	Continuing	Continuing	
Non-Recurring Engineering	- / 4.128	- / 1.714	- / 1.403	- / 0.100	- / -	- / 0.100	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Non-Recurring	- / 4.992	- / 3.833	- / 1.403	- / 1.596	- / -	- / 1.596	- / 0.669	- / 0.612	- / 0.868	- / 1.070	Continuing	Continuing	
Subtotal: Tactical Mission Networking (TMN)	- / 20.756	- / 8.880	- / 8.762	- / 9.056	- / -	- / 9.056	- / 9.404	- / 9.383	- / 9.668	- / 9.870	Continuing	Continuing	
Modification Item 6 of 6: Data Transfer Unit Upgrade													
B Kits													
Recurring													
DTU B Kits	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	- / 1.250	- / 2.250	Continuing	Continuing	
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	- / 1.250	- / 2.250	Continuing	Continuing	
Non-Recurring													
Non-Recurring Engineering	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.173	- / 3.810	- / 2.700	Continuing	Continuing	
Subtotal: Non-Recurring	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.173	- / 3.810	- / 2.700	Continuing	Continuing	
Subtotal: Data Transfer Unit Upgrade	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.373	- / 5.060	- / 4.950	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 106.480	- / 23.461	- / 15.021	- / 23.459	- / -	- / 23.459	- / 18.365	- / 18.309	- / 17.911	- / 19.541	Continuing	Continuing	
Support (All Modification Items)													
MPU Integration Assets/Support	- / 0.576	- / 0.565	- / 0.523	- / 0.414	- / -	- / 0.414	- / 0.414	- / 0.414	- / 0.414	- / 0.414	Continuing	Continuing	
TMN Integration Assets/Support	- / 0.527	- / 0.725	- / 0.446	- / 0.300	- / -	- / 0.300	- / 0.300	- / 0.300	- / 0.300	- / 0.330	Continuing	Continuing	
Subtotal: Support	- / 1.103	- / 1.290	- / 0.969	- / 0.714	- / -	- / 0.714	- / 0.714	- / 0.714	- / 0.714	- / 0.744	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	107.583	24.751	15.990	24.173	-	24.173	19.079	19.023	18.625	20.285	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command					Date: March 2019		
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 / Mission Processor Upgrades (MPU)	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 1 of 6: Cockpit Display Upgrades							
Manufacturer Information							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 13			
Dates	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Contract Dates							Jun 2024
Delivery Dates							Jul 2025
Installation Information							
Method of Implementation (Organic): Depot Installation					Installation Quantity: 192		

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command					<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1			<b>P-1 Line Item Number / Title:</b> 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			<b>Modification Number / Title:</b> 11 / Mission Processor Upgrades (MPU)	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 2 of 6:</b> Auto-Dependent Surveillance Broadcast (ADS-B)							
<b>Manufacturer Information</b>							
Manufacturer Name: Rockwell Collins					Manufacturer Location: Cedar Rapids, IA		
Administrative Leadtime ( <i>in Months</i> ): 0					Production Leadtime ( <i>in Months</i> ): 12		
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract Dates			Dec 2020				
Delivery Dates			Dec 2021				
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Depot Installation					<b>Installation Quantity:</b> 192		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command						<b>Date:</b> March 2019	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1			<b>P-1 Line Item Number / Title:</b> 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			<b>Modification Number / Title:</b> 11 / Mission Processor Upgrades (MPU)	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 3 of 6:</b> Avionics Block Upgrades							
<b>Manufacturer Information</b>							
Manufacturer Name: Rockwell Collins				Manufacturer Location: Cedar Rapids, IA			
Administrative Leadtime ( <i>in Months</i> ): 0				Production Leadtime ( <i>in Months</i> ): 12			
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract Dates	Apr 2018		Apr 2020				
Delivery Dates	Apr 2019		Apr 2021				
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Depot Installation						<b>Installation Quantity:</b> 141	



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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command					Date: March 2019		
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 / Mission Processor Upgrades (MPU)		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 4 of 6: General Purpose Processor Unit (GPPU)							
Manufacturer Information							
Manufacturer Name: Rockwell Collins				Manufacturer Location: Cedar Rapids, IA			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 12			
Dates	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Contract Dates	May 2018	Jun 2019	Jun 2020	Jun 2021	Jun 2022	Jun 2023	Jun 2024
Delivery Dates	May 2019	Jun 2020	Jun 2021	Jun 2022	Jun 2023	Jun 2024	Jun 2025
Installation Information							
Method of Implementation (Organic): Depot Installation					Installation Quantity: 141		

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command					Date: March 2019		
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 / Mission Processor Upgrades (MPU)	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 5 of 6: Tactical Mission Networking (TMN)							
Manufacturer Information							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 12			
Dates	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Contract Dates	Jun 2018	Jun 2019	Jun 2020	Jun 2021	Jun 2022	Jun 2023	Jun 2024
Delivery Dates	Jun 2019	Jun 2020	Jun 2021	Jun 2022	Jun 2023	Jun 2024	Jun 2025
Installation Information							
Method of Implementation (Organic): Depot Installation/Contractor					Installation Quantity: 141		

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command					Date: March 2019		
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 / Mission Processor Upgrades (MPU)	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 6 of 6: Data Transfer Unit Upgrade							
Manufacturer Information							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
Dates	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): TBD					Installation Quantity: 141		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1				<b>P-1 Line Item Number / Title:</b> 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT						<b>Modification Number / Title:</b> 12 / Aircraft Survivability Equipment		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	509.076	21.829	14.103	36.538	-	36.538	43.127	58.542	86.405	83.356	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	509.076	21.829	14.103	36.538	-	36.538	43.127	58.542	86.405	83.356	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>509.076</b>	<b>21.829</b>	<b>14.103</b>	<b>36.538</b>	<b>-</b>	<b>36.538</b>	<b>43.127</b>	<b>58.542</b>	<b>86.405</b>	<b>83.356</b>	<b>Continuing</b>	<b>Continuing</b>
<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> )	0.000	-	-	-	-	-	-	1.116	5.000	4.113	Continuing	Continuing
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<p><b>Description:</b></p> <p>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 and increase the probability of detecting and countering threat systems. 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 high-threat environments.</p> <p>The Infrared Countermeasures (IRCM) program provides a new light-weight, mission-configurable Missile Warning System (MWS), IRCM capability and exhaust suppressor at a weight suitable for the A/MH-6 Mission Enhanced Little Bird (MELB). In addition to meeting the A/MH-6 MELB's weight/size restrictions, the light-weight MWS may potentially be used on MH-60 and MH-47 aircraft to provide for the increased payload capacity demanded by the user. Army Special Operations Aviation (ARSOA) requires the addition of IRCM to protect against increasingly proliferated and sophisticated Man-Portable Air-Defense Weapons.</p> <p>The Suite of Integrated Radio Frequency Countermeasures (SIRFC) is the current 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 and anti-aircraft artillery 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 &amp; 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.</p>												

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command									Date: March 2019				
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 / 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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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													
Procurement													
Modification Item 1 of 2: ASE IRCM													
A Kits													
Recurring													
A/MH-6 A Kits 2.2 (Missile Warning and Countermeasures)													
4 / 0.730													
3 / 0.243													
7 / 1.000													
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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command									Date: March 2019				
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 / 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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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)	
LRU Upgrades (LRU-1/Digital Electronic Warfare Display ECP Obsolescence)	- / -	- / 10.298	- / 5.792	- / 18.177	- / -	- / 18.177	- / 20.653	- / 19.680	- / 16.830	- / 13.940	Continuing	Continuing	
LRU-2/3/4 Upgrades (includes aircraft mods)	- / -	- / -	- / -	- / 1.760	- / -	- / 1.760	- / 3.520	- / 14.200	- / 31.740	- / 34.470	Continuing	Continuing	
RF Improvements	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.450	- / 2.550	- / 2.550	Continuing	Continuing	
Subtotal: Non-Recurring	- / 44.397	- / 10.298	- / 5.792	- / 19.937	- / -	- / 19.937	- / 24.173	- / 34.330	- / 51.120	- / 50.960	Continuing	Continuing	
Subtotal: ASE SIRFC	- / 324.668	- / 10.298	- / 5.792	- / 19.937	- / -	- / 19.937	- / 24.173	- / 39.330	- / 69.620	- / 67.960	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 332.868	- / 17.346	- / 8.441	- / 27.646	- / -	- / 27.646	- / 29.680	- / 43.787	- / 80.342	- / 79.233	Continuing	Continuing	
Support (All Modification Items)													
IRCM - Integration Support	- / 0.197	- / -	- / 0.239	- / 0.216	- / -	- / 0.216	- / 0.222	- / 0.235	- / 0.236	- / -	Continuing	Continuing	
IRCM - Integrated Logistical Support (Missile Warning System/ Countermeasures (MWS/CM))	- / 0.255	- / -	- / 0.633	- / 1.504	- / -	- / 1.504	- / 3.686	- / -	- / -	- / -	Continuing	Continuing	
IRCM - Test Support Equipment (MWS/CM)	- / -	- / -	- / -	- / 0.009	- / -	- / 0.009	- / -	- / -	- / -	- / -	Continuing	Continuing	
IRCM - Integration Support (Exhaust Suppressor)	- / -	- / -	- / -	- / 0.357	- / -	- / 0.357	- / 1.268	- / 6.211	- / 0.171	- / 0.115	Continuing	Continuing	
SIRFC - Qualification Flight Test Support (LRU-1 (Block 2))	- / 16.304	- / 0.115	- / 4.367	- / 1.800	- / -	- / 1.800	- / 1.449	- / -	- / 1.208	- / -	Continuing	Continuing	
SIRFC - Obsolescence/Engineering Change Proposals	- / 22.296	- / 3.718	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.014	
SIRFC - Fielding Support	- / 15.204	- / 0.650	- / 0.423	- / 5.006	- / -	- / 5.006	- / 6.822	- / 8.309	- / 4.448	- / 4.008	Continuing	Continuing	
SIRFC - Prior Year Funding	- / 121.952	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Support	- / 176.208	- / 4.483	- / 5.662	- / 8.892	- / -	- / 8.892	- / 13.447	- / 14.755	- / 6.063	- / 4.123	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	509.076	21.829	14.103	36.538	-	36.538	43.127	58.542	86.405	83.356	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command					Date: March 2019		
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 / 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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Contract Dates	Jul 2018	Mar 2019	Mar 2020	Mar 2021	Mar 2022	Mar 2023	Mar 2024
Delivery Dates	Jun 2019	Feb 2020	Feb 2021	Feb 2022	Feb 2023	Feb 2024	Feb 2025
Installation Information							
Method of Implementation (Organic): Contractor					Installation Quantity: 51		

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command						Date: March 2019	
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 / 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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Contract Dates	Dec 2018	Apr 2019	Apr 2020	Apr 2021	Apr 2022	Apr 2023	Apr 2024
Delivery Dates	Mar 2020	Jul 2020	Jul 2021	Jul 2022	Jul 2023	Jul 2024	Jul 2025
Installation Information							
Method of Implementation (Organic): Various					Installation Quantity: 624		



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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command										Date: March 2019	
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 / MH-60 Block Upgrades	

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	16.390	7.277	8.127	8.330	-	8.330	9.448	8.163	8.332	8.526	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	16.390	7.277	8.127	8.330	-	8.330	9.448	8.163	8.332	8.526	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	16.390	7.277	8.127	8.330	-	8.330	9.448	8.163	8.332	8.526	Continuing	Continuing
(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)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This program continues to modify the fleet of 72 U.S. Army Special Operations Forces (SOF) MH-60M aircraft. The current configuration (commonly referred to as Block 0) is already undergoing a Block 1 modification. The pace of technology and user requirements dictate new system configurations before OPTEMPO provides for complete fielding of Block 1. Known upgrades include Common Infrared Countermeasures, Terrain Following/Terrain Avoidance Radar, obsolescence of weapons targeting hardware, vibration reduction of direct fire weapons systems, integration of Upturned Exhaust System II, Tactical Mission Network, and future mission equipment technology insertions. This program will result in the most relevant and combat effective Army Special Operations Aviation (ARSOA) MH-60M platform, providing savings in operations and sustainment costs. The MH-60M provides the critically needed performance for high, hot, heavy missions commonly required to support Overseas Contingency Operations.

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command									Date: March 2019				
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 / 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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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													
Procurement													
Modification Item 1 of 1: MH-60 Block Upgrades <sup>(2)</sup>													
A Kits													
Recurring													
A Kits													
Systems Engineering													
Program Support													
Subtotal: Recurring													
B Kits													
Recurring													
Install Kits													
Production Engineering													
Integrated Logistics Support													
Subtotal: Recurring													
Subtotal: MH-60 Block Upgrades													
Subtotal: Procurement, All Modification Items													
Installation													
Subtotal: Installation													
Total													
Total Cost (Procurement + Support + Installation)													

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command					Date: March 2019		
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 / 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: SOFSA, Bluegrass Army Depot				Manufacturer Location: Lexington, KY			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 15			
Dates	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Contract Dates	Oct 2018	Aug 2019	Aug 2020	Aug 2021	Aug 2022	Aug 2023	Aug 2024
Delivery Dates	Feb 2020	Nov 2020	Nov 2021	Nov 2022	Nov 2023	Nov 2024	Nov 2025
Installation Information							
Method of Implementation (Organic): Contractor					Installation Quantity: 72		
<p>Footnotes:</p> <p>(2) FY 2020 A Kit cost increase to accommodate upgraded ASE and sensor kit requirements.</p>							

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1	<b>P-1 Line Item Number / Title:</b> 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT	<b>Modification Number / Title:</b> 14 / A/MH-6 Block Upgrades

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	11.398	30.943	27.278	-	27.278	27.778	28.301	28.837	29.510	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	11.398	30.943	27.278	-	27.278	27.778	28.301	28.837	29.510	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	11.398	30.943	27.278	-	27.278	27.778	28.301	28.837	29.510	Continuing	Continuing
(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)	-	-	-	-	-	-	-	-	-	-	-	-

**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 three distinct components: the integrated airframe, the Block 3 performance kit, and the avionics upgrade. The integrated airframe is a new fuselage. The Block 3 performance kit incorporates new main rotor blades, flight control kits, and tail rotor system. The avionics upgrade includes new Active Matrix Liquid Crystal Displays (AMLCD), a mission computer, and software-configurable communications system. This multi-phase procurement strategy supports vendor production lead time, aircraft kitting and build time at the Special Operations Forces Support Activity (SOFSA). This project also includes integration of 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 2020 United States Special Operations Command									Date: March 2019				
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 / 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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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 - / 88.111 - / 15.608 - / 3.120 - / 2.688 - / - - / 2.688 - / 2.783 - / 2.836 - / 2.887 - / 3.022 - / - - / 121.055													
Procurement													
Modification Item 1 of 1: A/MH-6M Block Upgrades													
B Kits													
Recurring													
Avionics Kits - / - 4 / 1.590 16 / 6.560 7 / 2.886 - / - 7 / 2.886 7 / 2.423 7 / 2.467 7 / 2.512 10 / 3.595 Continuing Continuing													
Performance Kits (Rotor Blades, Flight Controls, Tail Rotor System) - / - 4 / 4.377 16 / 12.054 7 / 5.013 - / - 7 / 5.013 8 / 5.622 7 / 5.615 7 / 5.599 9 / 6.236 Continuing Continuing													
Collective Trim System - / - - / - - / - 8 / 0.415 - / - 8 / 0.415 9 / 0.475 9 / 0.483 9 / 0.492 10 / 0.556 Continuing Continuing													
Integrated Airframe Shells - / - - / - - / 5.267 6 / 2.415 - / - 6 / 2.415 11 / 4.428 11 / 4.428 11 / 4.428 11 / 4.428 Continuing Continuing													
Subtotal: Recurring - / - 8 / 5.967 32 / 23.881 28 / 10.729 - / - 28 / 10.729 35 / 12.948 34 / 12.993 34 / 13.031 40 / 14.815 Continuing Continuing													
Non-Recurring													
Integrated Airframe Shells - / - - / 5.174 - / - - / 2.945 - / - - / 2.945 - / 1.000 - / - - / - - / - - / - - / - - / 9.119													
Subtotal: Non-Recurring - / - - / 5.174 - / - - / 2.945 - / - - / 2.945 - / 1.000 - / - - / - - / - - / - - / 9.119													
Subtotal: A/MH-6M Block Upgrades - / - - / 11.141 - / 23.881 - / 13.674 - / - - / 13.674 - / 13.948 - / 12.993 - / 13.031 - / 14.815 Continuing Continuing													
Subtotal: Procurement, All Modification Items - / - - / 11.141 - / 23.881 - / 13.674 - / - - / 13.674 - / 13.948 - / 12.993 - / 13.031 - / 14.815 Continuing Continuing													
Support (All Modification Items)													
Integration Support - / - - / 0.257 - / 0.659 - / 0.442 - / - - / 0.442 - / 0.431 - / 0.984 - / 1.224 - / 0.559 Continuing Continuing													
Publications - / - - / - - / 2.709 - / - - / - - / - - / 0.684 - / 0.696 - / - Continuing Continuing													
Subtotal: Support - / - - / 0.257 - / 3.368 - / 0.442 - / - - / 0.442 - / 0.431 - / 1.668 - / 1.920 - / 0.559 Continuing Continuing													
Installation													
Modification Item 1 of 1: A/MH-6M Block Upgrades - / - - / - 0 / 3.694 7 / 13.162 - / - 7 / 13.162 7 / 13.399 7 / 13.640 7 / 13.886 7 / 14.136 16 / 277.470 51 / 349.387													
Subtotal: Installation - / - - / - - / 3.694 7 / 13.162 - / - 7 / 13.162 7 / 13.399 7 / 13.640 7 / 13.886 7 / 14.136 16 / 277.470 51 / 349.387													
Total													
Total Cost (Procurement + Support + Installation) - 11.398 30.943 27.278 - 27.278 27.778 28.301 28.837 29.510 Continuing Continuing													

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command											<b>Date:</b> March 2019																					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1											<b>P-1 Line Item Number / Title:</b> 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT											<b>Modification Number / Title:</b> 14 / A/MH-6 Block Upgrades										
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :																<b>MDAP/MAIS Code:</b>																
<b>Modification Item 1 of 1:</b> A/MH-6M Block Upgrades																																
<b>Manufacturer Information</b>																																
Manufacturer Name: Boeing Helicopter														Manufacturer Location: Mesa, AZ																		
Administrative Leadtime (in Months): 7														Production Leadtime (in Months): 12																		
<b>Dates</b>		<b>FY 2018</b>				<b>FY 2019</b>				<b>FY 2020</b>				<b>FY 2021</b>				<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>						
Contract Dates		Dec 2018				Apr 2019				Apr 2020				Apr 2021				Apr 2022				Apr 2023				Apr 2024						
Delivery Dates		Nov 2019				Apr 2020				Apr 2021				Apr 2022				Apr 2023				Apr 2024				Apr 2025						
<b>Installation Information</b>																																
<b>Method of Implementation:</b> Contract																																
<b>Installation Cost</b>		<b>Prior Years</b>		<b>FY 2018</b>		<b>FY 2019</b>		<b>FY 2020 Base</b>		<b>FY 2020 OCO</b>		<b>FY 2020 Total</b>		<b>FY 2021</b>		<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024</b>		<b>To Complete</b>		<b>Total</b>								
		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 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2019		- / -		- / -		0 / 3.694		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		0 / 3.694						
FY 2020		- / -		- / -		- / -		7 / 13.162		- / -		7 / 13.162		- / -		- / -		- / -		- / -		- / -		- / -		7 / 13.162						
FY 2021		- / -		- / -		- / -		- / -		- / -		- / -		7 / 13.399		- / -		- / -		- / -		- / -		- / -		7 / 13.399						
FY 2022		- / -		- / -		- / -		- / -		- / -		- / -		- / -		7 / 13.640		- / -		- / -		- / -		- / -		7 / 13.640						
FY 2023		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		7 / 13.886		- / -		- / -		- / -		7 / 13.886						
FY 2024		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		7 / 14.136		- / -		- / -		7 / 14.136						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		16 / 277.470		16 / 277.470		16 / 277.470						
Total		- / -		- / -		0 / 3.694		7 / 13.162		- / -		7 / 13.162		7 / 13.399		7 / 13.640		7 / 13.886		7 / 14.136		16 / 277.470		16 / 277.470		51 / 349.387						
<b>Installation Schedule</b>																																
	<b>PYS</b>	<b>FY 2018</b>				<b>FY 2019</b>				<b>FY 2020</b>				<b>FY 2021</b>				<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>TC</b>	<b>Tot</b>	
		<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>			
In	-	-	-	-	-	-	-	-	-	1	3	3	-	1	3	3	-	1	3	3	-	1	3	3	-	1	3	3	-	16	51	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	3	-	1	3	3	-	1	3	3	-	1	3	3	-	23	51	
<b>Method of Implementation (Organic):</b> TBD																																
																				<b>Installation Quantity:</b> 51												

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							<b>P-1 Line Item Number / Title:</b> 0201UMNISR / UNMANNED ISR					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):				<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> 1105232BB				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	97.750	69.923	74.708	15.208	8.207	23.415	31.230	23.407	24.335	27.819	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	97.750	69.923	74.708	15.208	8.207	23.415	31.230	23.407	24.335	27.819	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>97.750</b>	<b>69.923</b>	<b>74.708</b>	<b>15.208</b>	<b>8.207</b>	<b>23.415</b>	<b>31.230</b>	<b>23.407</b>	<b>24.335</b>	<b>27.819</b>	<b>Continuing</b>	<b>Continuing</b>
<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> )	-	-	-	-	-	-	-	-	-	-	-	-
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 2018 and FY 2019. This P-1 line item includes \$8.207 million of FY2020 enduring OCO funding.

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. These systems are procured from an Approved Resource List in order to provide for rapid fielding of proven capability. 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 accelerate the procurement and fielding of much needed capability in order to 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 quickly change out payloads on the same platform and reduce time between sorties.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command								<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs						<b>P-1 Line Item Number / Title:</b> 0201UMNISR / UNMANNED ISR				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):			<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> 1105232BB				
<b>Line Item MDAP/MAIS Code:</b> N/A										
<b>Exhibits Schedule</b>					<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>
<b>Exhibit Type</b>	<b>Title*</b>	<b>Subexhibits</b>	<b>ID CD</b>	<b>MDAP/MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>
P-40a	Unmanned Aerial Systems (UAS)				- / 97.750	- / 69.923	- / 74.708	- / 15.208	- / 8.207	- / 23.415
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 97.750</b>	<b>- / 69.923</b>	<b>- / 74.708</b>	<b>- / 15.208</b>	<b>- / 8.207</b>	<b>- / 23.415</b>
<small>*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.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										
<p><b>Justification:</b></p> <p>1. 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. Ancillary equipment includes base-lined versions of payloads, recovery systems, and launchers.</p> <p>FY 2020 OCO PROGRAM JUSTIFICATION: Procures 17 Group 1 Nano Vertical Take-Off and Landing (VTOL) systems.</p> <p>2. Group 1 UAS (Small Unmanned Aerial System). Group 1 UAS funding is incorporated and executed under the EOTACS program starting in FY20. See above EOTACS FY2020 Program Justification.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures 6 Short Range/Short Endurance (SR/SE) Fixed Wing, 6 SR/SE VTOL, 20 Micro VTOL, 13 Nano VTOL UAS, ancillary equipment, and payloads.</p> <p>3. Group 2 Multi-mission Tactical Unmanned Aerial System (MTUAS). MTUAS are Group 2 systems, between 21 pounds and 55 pounds in weight. MTUAS provides SOF with an organic ISR capability. This program procures UAS, SOF-unique mission kits, mission payloads, air vehicle enhancements, training systems, and Ground Control Stations (GCS). Ancillary equipment includes base-lined versions of payloads, recovery systems, launchers and GCS modifications.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures ancillary equipment and payloads.</p> <p>4. 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.</p> <p>FY 2020 OCO PROGRAM JUSTIFICATION: Procures SOF Peculiar advanced payload suites for 10 systems.</p> <p>5. 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, weapons, and modifications on MQ-1C UAVs, GCS, and training systems as part of the Medium Altitude Long Endurance Tactical (MALET) Program.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures unique mission kits and payloads.</p> <p>FY 2020 OCO PROGRAM JUSTIFICATION: Funds Persistent Close Air Support Modification.</p> <p>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.</p>										



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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		<b>P-1 Line Item Number / Title:</b> 0201UMNISR / UNMANNED ISR
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1105232BB
<b>Line Item MDAP/MAIS Code:</b> N/A		
FY 2020 PROGRAM JUSTIFICATION: Procures three Scan Eagle Block E Vehicles, one Group 1 VTOL SR/SE UAS, and ancillary equipment/payloads.		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command																Date: March 2019				
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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	3	4.413	-	-	-	-	-	-	-	-	-
1.2 / Group 1 Medium Range/Medium Endurance (MR/ME) Fixed Wing			-	-	-	-	-	-	0.260	20	5.200	-	-	-	-	-	-	-	-	-
1.3 / Group 1 Vertical Takeoff & Landing (VTOL) (Various Type/Quantities)			-	-	-	0.169	55	9.285	0.102	145	14.747	-	-	-	-	-	-	-	-	-
1.4 / Group 1 Micro VTOL			-	-	-	0.015	110	1.650	0.017	347	5.899	-	-	-	-	-	-	-	-	-
1.5 / Group Nano VTOL (Various Type/Quantities)			-	-	-	0.060	28	1.680	0.048	383	18.384	-	-	-	-	-	-	-	-	-
1.6 / Electronic Warfare/Signals Intelligence Payloads			-	-	-	-	-	-	0.082	9	0.740	-	-	-	-	-	-	-	-	-
1.7 / Ancillary Equipment			-	-	-	-	-	1.000	-	-	-	-	-	-	-	-	-	-	-	-
1.8 / Group 1 - Nano VTOL (Various Quantities) OCO			-	-	-	-	-	-	-	-	-	-	-	-	0.115	17	1.957	0.115	17	1.955
Subtotal: 1 - Expeditionary Organic Tactical AISR Capability Set (EOTACS)			-	-	5.500	-	-	13.615	-	-	49.383	-	-	-	-	-	1.957	-	-	1.957
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	-	-	-	-	-	-	-	-	-
2.4 / Ancillary Equipment			-	-	-	-	-	0.165	-	-	0.245	-	-	0.149	-	-	-	-	-	0.149
2.5 / Ancillary Equipment OCO			-	-	1.130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.6 / Payloads			-	-	2.582	-	-	0.625	-	-	2.585	-	-	0.986	-	-	-	-	-	0.986
2.7 / Payloads OCO			-	-	15.230	-	-	7.433	-	-	-	-	-	-	-	-	-	-	-	-
2.8 / Group 1 Short Range/Short Endurance (SR/SE) Fixed Wing			-	-	-	-	-	-	-	-	-	0.110	6	0.660	-	-	-	0.110	6	0.660
2.9 / Group 1 VTOL SR/SE			-	-	-	-	-	-	-	-	-	0.150	6	0.900	-	-	-	0.150	6	0.900

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)
2.10 / Group 1 Micro VTOL			-	-	-	-	-	-	-	-	-	0.015	20	0.300	-	-	-	0.015	20	0.300
2.11 / Group 1 Nano VTOL			-	-	-	-	-	-	-	-	-	0.060	13	0.780	-	-	-	0.060	13	0.780
Subtotal: 2 - Group 1 UAS			-	-	38.292	-	-	10.023	-	-	3.830	-	-	3.775	-	-	-	-	-	3.775
3 - Group 2 UAS																				
3.1 / Multi-Mission Tactical Unmanned Aerial System (MTUAS) Components			1.135	8	9.080	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2 / Ancillary Equipment/Payloads			-	-	1.883	-	-	6.924	-	-	0.942	-	-	0.938	-	-	-	-	-	0.938
3.3 / MTUAS Components OCO			-	-	-	12.550	2	25.100	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3 - Group 2 UAS			-	-	41.213	-	-	32.024	-	-	0.942	-	-	0.938	-	-	-	-	-	0.938
4 - Group 3 UAS																				
4.1 / Advanced Payloads OCO			-	-	-	-	-	-	0.450	10	4.500	-	-	-	0.450	10	4.500	0.450	10	4.500
Subtotal: 4 - Group 3 UAS			-	-	-	-	-	-	-	-	4.500	-	-	-	-	-	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	-	-	8.950	-	-	-	-	-	8.950
5.2 / MQ-1 Special Operations Forces (SOF) Unique Mission Kits and Mission Payloads Congressional Plus Up			-	-	-	-	-	8.300	-	-	-	-	-	-	-	-	-	-	-	-
5.3 / SOF Unique Mission Kits and Mission Payloads OCO			-	-	3.600	-	-	4.500	0.146	12	1.750	-	-	-	-	-	-	-	-	-
5.4 / A/B Kits Small Glide Munitions OCO			-	-	-	-	-	-	0.250	16	4.000	-	-	-	-	-	-	-	-	-
5.5 / Beyond Line of sight Wiring Harness MQ-1C/ER OCO			-	-	-	-	-	-	-	-	2.000	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)
5.6 / Vortex Integration MQ-1C/ER OCO			-	-	-	-	-	-	-	-	4.250	-	-	-	-	-	-	-	-	-
5.7 / Persistent Close Air Support Integration OCO			-	-	-	-	-	-	-	-	0.500	-	-	-	-	-	1.750	-	-	1.750
Subtotal: 5 - Group 4 UAS			-	-	9.871	-	-	12.800	-	-	14.530	-	-	8.950	-	-	1.750	-	-	10.700
6 - Special Applications for Contingencies (SAFC)																				
6.1 / Scan Eagle UAS			0.687	2	1.374	-	-	-	-	-	-	0.419	3	1.257	-	-	-	0.419	3	1.257
6.2 / Scan Eagle UAS - OCO			-	-	1.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.3 / Puma II UAS			-	-	-	-	-	-	0.527	1	0.527	-	-	-	-	-	-	-	-	-
6.4 / Stalker UAS			-	-	-	1.461	1	1.461	-	-	-	-	-	-	-	-	-	-	-	-
6.5 / Group 1 VTOL SR/SE			-	-	-	-	-	-	0.166	6	0.996	0.166	1	0.166	-	-	-	0.166	1	0.166
6.6 / Ancillary Equipment/Payloads			-	-	-	-	-	-	-	-	-	-	-	0.122	-	-	-	-	-	0.122
Subtotal: 6 - Special Applications for Contingencies (SAFC)			-	-	2.874	-	-	1.461	-	-	1.523	-	-	1.545	-	-	-	-	-	1.545
Total			-	-	97.750	-	-	69.923	-	-	74.708	-	-	15.208	-	-	8.207	-	-	23.415

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

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	<b>P-1 Line Item Number / Title:</b> 0207NSAV / NON-STANDARD AVIATION
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1160403BB
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**Line Item MDAP/MAIS Code:** 0000

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	803.982	26.703	31.731	32.310	-	32.310	94.388	11.916	7.219	28.677	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	803.982	26.703	31.731	32.310	-	32.310	94.388	11.916	7.219	28.677	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	803.982	26.703	31.731	32.310	-	32.310	94.388	11.916	7.219	28.677	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	-	-	-	-	-	0.312	0.988	1.841	4.939	-	104.819
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, equip, and rapidly field Special Operations Forces (SOF) NSAV, Aviation Foreign Internal Defense (AvFID), and C-27J 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. This program received Overseas Contingency Operations (OCO) funding in FY 2018 and FY 2019. There is no associated RDT&E.

Note: C-27J modifications for FY19 President's Budget was under Aircraft Support P-1 Line Item Titled: Other Items<\$5M.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command								<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs						<b>P-1 Line Item Number / Title:</b> 0207NSAV / NON-STANDARD AVIATION				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):				<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> 1160403BB			
<b>Line Item MDAP/MAIS Code:</b> 0000										
<b>Exhibits Schedule</b>					<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>
<b>Exhibit Type</b>	<b>Title*</b>	<b>Subexhibits</b>	<b>ID CD</b>	<b>MDAP/MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>
P-40a	NON-STANDARD AVIATION (NSAV)				- / 803.982	- / 26.703	- / 31.731	- / 2.417	- / -	- / 2.417
P-3a	3 / C-27J Modifications (Added Capability)				- / -	- / -	- / -	- / 29.893	- / -	- / 29.893
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 803.982</b>	<b>- / 26.703</b>	<b>- / 31.731</b>	<b>- / 32.310</b>	<b>- / -</b>	<b>- / 32.310</b>
<b>Exhibits Schedule</b>					<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>
<b>Exhibit Type</b>	<b>Title*</b>	<b>Subexhibits</b>	<b>ID CD</b>	<b>MDAP/MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>
P-40a	NON-STANDARD AVIATION (NSAV)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	3 / C-27J Modifications (Added Capability)				- / 19.699	- / 2.620	- / 2.673	- / 21.463	- / -	- / 76.348
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 94.388</b>	<b>- / 11.916</b>	<b>- / 7.219</b>	<b>- / 28.677</b>	<b>Continuing</b>	<b>Continuing</b>
*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.										
<p><b>Justification:</b></p> <p>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.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Funds low cost modifications.</p> <p>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, counter narcotics, and humanitarian relief.</p> <p>3. C-27J. This program provides modifications to C-27J aircraft with equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, incorporate mission enhancements, and critical safety changes.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Funds two landing gear and three aircraft cockpits.</p> <p><b>Efforts with funding starting in FY 2021 through FY 2024 are summarized on the P-40. Not all details of this funding are included in this P-40 exhibit set. A summary of the excepted details is as follows:</b></p> <div style="text-align: right; margin-top: 20px;"> <p>(a) FY 2021 Cost Delta: 74.689 million</p> <p>(b) FY 2022 Cost Delta: 9.296 million</p> <p>(c) FY 2023 Cost Delta: 4.546 million</p> </div>										

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		<b>P-1 Line Item Number / Title:</b> 0207NSAV / NON-STANDARD AVIATION
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1160403BB
<b>Line Item MDAP/MAIS Code:</b> 0000		
<div>(d) FY 2024 Cost Delta: 7.214 million</div> <div>(e) To Complete and Total Delta: Continuing</div>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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	-	-	2.417	-	-	-	-	-	2.417
1.2 / Global Positioning System Improvements Overseas Contingency Operations (OCO)			-	-	-	-	-	1.600	-	-	-	-	-	-	-	-	-	-	-	-
1.3 / Global Positioning System Improvements			-	-	-	-	-	-	-	-	7.500	-	-	-	-	-	-	-	-	-
Subtotal: 1 - NSAV Aircraft			-	-	4.905	-	-	6.492	-	-	12.287	-	-	2.417	-	-	-	-	-	2.417
2 - Aviation Foreign Internal Defense (AvFID) (MC-12 Air National Guard)																				
2.1 / Global Positioning System Improvements			-	-	-	-	-	-	1.074	6	6.444	-	-	-	-	-	-	-	-	-
2.2 / Global Positioning System Improvements OCO			-	-	-	1.143	7	8.000	-	-	-	-	-	-	-	-	-	-	-	-
2.3 / Remote SIGINT Operation OCO			-	-	-	-	-	6.500	-	-	-	-	-	-	-	-	-	-	-	-
2.4 / SIGINT System Upgrades OCO			-	-	-	-	-	5.711	-	-	-	-	-	-	-	-	-	-	-	-
2.5 / Infrared Suppression System OCO			-	-	-	-	-	-	0.722	9	6.500	-	-	-	-	-	-	-	-	-
2.6 / High Definition Infrared Sensor OCO			-	-	-	-	-	-	0.542	12	6.500	-	-	-	-	-	-	-	-	-
Subtotal: 2 - Aviation Foreign Internal Defense (AvFID) (MC-12 Air National Guard)			-	-	-	-	-	20.211	-	-	19.444	-	-	-	-	-	-	-	-	-
Prior Year																				
Completed Efforts			-	-	799.077	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Prior Year			-	-	799.077	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	803.982	-	-	26.703	-	-	31.731	-	-	2.417	-	-	-	-	-	2.417

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



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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command								<b>Date:</b> March 2019			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1				<b>P-1 Line Item Number / Title:</b> 0207NSAV / NON-STANDARD AVIATION				<b>Modification Number / Title:</b> 3 / C-27J Modifications			

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	29.893	-	29.893	19.699	2.620	2.673	21.463	-	76.348
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	-	-	29.893	-	29.893	19.699	2.620	2.673	21.463	-	76.348
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	29.893	-	29.893	19.699	2.620	2.673	21.463	-	76.348
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	0.312	0.988	1.841	4.939	-	8.080
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This program provides modifications to C-27J aircraft with 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. FY 2019 for C-27J resides in P-1 line item Other Items <\$5 million. No associated RDT&E funds.

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command									Date: March 2019				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION					Modification Number / Title: 3 / C-27J Modifications				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: C-27J				Modification Type: Added Capability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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 3: Landing Gear													
B Kits													
Recurring													
Landing Gear Procurement		- / -	- / -	- / -	2 / 4.774	- / -	2 / 4.774	1 / 2.387	- / -	- / -	- / -	3 / 7.161	
Subtotal: Recurring		- / -	- / -	- / -	- / 4.774	- / -	- / 4.774	- / 2.387	- / -	- / -	- / -	- / 7.161	
Subtotal: Landing Gear		- / -	- / -	- / -	- / 4.774	- / -	- / 4.774	- / 2.387	- / -	- / -	- / -	- / 7.161	
Modification Item 2 of 3: Landing Gear Overhaul													
B Kits													
Recurring													
Landing Gear Overhaul		- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.800	2 / 1.632	1 / 0.832	- / -	4 / 3.264	
Subtotal: Recurring		- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.800	2 / 1.632	1 / 0.832	- / -	4 / 3.264	
Subtotal: Landing Gear Overhaul		- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.800	2 / 1.632	1 / 0.832	- / -	4 / 3.264	
Modification Item 3 of 3: Cockpit Reset/Upgrade													
B Kits													
Recurring													
Aircraft Cockpit		- / -	- / -	- / -	3 / 25.119	- / -	3 / 25.119	2 / 16.200	- / -	- / -	2 / 16.524	7 / 57.843	
Subtotal: Recurring		- / -	- / -	- / -	- / 25.119	- / -	- / 25.119	- / 16.200	- / -	- / -	- / 16.524	- / 57.843	
Non-Recurring													
Initial Spares		- / -	- / -	- / -	- / -	- / -	- / -	- / 0.312	- / 0.988	- / 1.841	- / 4.939	- / 8.080	
Subtotal: Non-Recurring		- / -	- / -	- / -	- / -	- / -	- / -	- / 0.312	- / 0.988	- / 1.841	- / 4.939	- / 8.080	
Subtotal: Cockpit Reset/Upgrade		- / -	- / -	- / -	- / 25.119	- / -	- / 25.119	- / 16.512	- / 0.988	- / 1.841	- / 21.463	- / 65.923	
Subtotal: Procurement, All Modification Items		- / -	- / -	- / -	- / 29.893	- / -	- / 29.893	- / 19.699	- / 2.620	- / 2.673	- / 21.463	- / 76.348	
Installation													
Subtotal: Installation		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)		-	-	-	29.893	-	29.893	19.699	2.620	2.673	21.463	-	76.348

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command						Date: March 2019	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION			Modification Number / Title: 3 / C-27J Modifications	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 3: Landing Gear							
Manufacturer Information							
Manufacturer Name: SOF Support Activity (SOFSA)				Manufacturer Location: Lexington, KY			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 33			
Dates	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Contract Dates			Dec 2019	Dec 2020			
Delivery Dates			Sep 2022	Sep 2023			
Installation Information							
Method of Implementation (Organic): Field Team					Installation Quantity: 3		

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command					Date: March 2019		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION			Modification Number / Title: 3 / C-27J Modifications	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 2 of 3: Landing Gear Overhaul							
Manufacturer Information							
Manufacturer Name: Leonardo, Aerospace				Manufacturer Location: Turin, Italy			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 24			
Dates	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Contract Dates				Jan 2021	Jan 2022	Jan 2023	
Delivery Dates				Jan 2023	Jan 2024	Jan 2025	
Installation Information							
Method of Implementation (Organic): Depot					Installation Quantity: 4		

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command						Date: March 2019	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION			Modification Number / Title: 3 / C-27J Modifications	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 3 of 3: Cockpit Reset/Upgrade							
Manufacturer Information							
Manufacturer Name: Leonardo				Manufacturer Location: Turin, Italy			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 15			
Dates	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Contract Dates			Jan 2020	Jan 2021			Jan 2024
Delivery Dates			Apr 2021	Apr 2022			Apr 2025
Installation Information							
Method of Implementation (Organic): Depot					Installation Quantity: 7		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	<b>P-1 Line Item Number / Title:</b> 0607U28 / U-28
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** 0000

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	191.999	51.832	84.023	10.898	31.500	42.398	35.325	4.395	4.458	7.110	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	191.999	51.832	84.023	10.898	31.500	42.398	35.325	4.395	4.458	7.110	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	191.999	51.832	84.023	10.898	31.500	42.398	35.325	4.395	4.458	7.110	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	-	-	-	-	-	-	-	-	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 rapidly field 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 2018 and FY 2019. This P-1 line item includes \$31.500 million of FY2020 direct OCO funding. There is no associated RDT&E.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command								<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs						<b>P-1 Line Item Number / Title:</b> 0607U28 / U-28				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):			<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> N/A				
<b>Line Item MDAP/MAIS Code:</b> 0000										
<b>Exhibits Schedule</b>					<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>
<b>Exhibit Type</b>	<b>Title*</b>	<b>Subexhibits</b>	<b>ID CD</b>	<b>MDAP/MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>
P-5	U-28 Systems	P-5a			- / 191.999	- / 51.832	- / 84.023	- / 10.898	- / 31.500	- / 42.398
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 191.999</b>	<b>- / 51.832</b>	<b>- / 84.023</b>	<b>- / 10.898</b>	<b>- / 31.500</b>	<b>- / 42.398</b>
*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.										
<p><b>Justification:</b></p> <p>1. Mission Systems. Provides SOF-unique modifications to include: avionics, communication systems, Intelligence, Surveillance, and Reconnaissance systems, mission workstations, and mission software.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures and installs low cost modifications to U-28 mission systems.</p> <p>2. Mission Training Device (MTD): Procures MTD 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.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Installs MTD simulator low cost modifications to mission systems.</p> <p>3. 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.</p> <p>4. 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.</p> <p>5. 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. This effort included converting EQ configured aircraft to the EQ+ configuration and converting PC-12 aircraft to the EQ+ configuration. The U-28 EQ+ modification program received OCO funding in FY 2018 and FY 2019.</p> <p>FY 2020 OCO PROGRAM JUSTIFICATION: Modifies four EQ configured aircraft to the EQ+ configuration.</p> <p>6. SIGINT Improvements. Procures and installs an upgrade to two SIGINT systems on 27 aircraft.</p> <p>7. Remote SIGINT operation. Procures and installs hardware that enables the remote operating of the installed SIGINT systems on 27 aircraft. This effort was OCO funded in FY 2019.</p> <p>8. U-28 Mission Equipment Racks: Procures and installs Military Standard compliant mission equipment racks. This effort was OCO funded in FY 2019.</p> <p>9. High Power Antenna: Procures and installs high power Ku band Beyond Line Of Sight (BLOS) antennas to expand bi-directional data throughput and assure satellite connectivity. This effort was OCO funded in FY 2019.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures 2 first article and 25 high power Ku band antennas.</p>										



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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		<b>P-1 Line Item Number / Title:</b> 0607U28 / U-28
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> 0000		

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Exhibit P-5, Cost Analysis: PB 2020 United States Special Operations Command													Date: March 2019								
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:											
Resource Summary				Prior Years			FY 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 Total		
Procurement Quantity <i>(Units in Each)</i>				-			-			-			-			-			-		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				191.999			51.832			84.023			10.898			31.500			42.398		
Less PY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Net Procurement (P-1) <i>(\$ in Millions)</i>				191.999			51.832			84.023			10.898			31.500			42.398		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>				191.999			51.832			84.023			10.898			31.500			42.398		
(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			-			-			-		
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements		Prior Years			FY 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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	-	-	1.958	-	-	-	-	-	1.958		
1.2 Enhanced Ground Proximity Warning System (EGPWS) Overseas Contingency Operations (OCO) <sup>(†)</sup>		-	-	-	-	-	-	0.067	35	2.330	-	-	-	-	-	-	-	-	-		
1.3 EGPWS Spares OCO <sup>(†)</sup>		-	-	-	-	-	-	0.067	10	0.670	-	-	-	-	-	-	-	-	-		
Subtotal: Recurring Cost		-	-	3.263	-	-	3.969	-	-	4.967	-	-	1.958	-	-	-	-	-	1.958		
Subtotal: Hardware - 1 - Mission Systems Cost		-	-	3.263	-	-	3.969	-	-	4.967	-	-	1.958	-	-	-	-	-	1.958		
Hardware - 2 - Mission Training Device (MTD) Cost																					
Recurring Cost																					
2.1 MTD <sup>(†)</sup>		-	-	-	-	-	-	14.263	2	28.527	-	-	-	-	-	-	-	-	-		
2.2 MTD Low Cost Modifications		-	-	-	-	-	2.980	-	-	1.807	-	-	1.823	-	-	-	-	-	1.823		
Subtotal: Recurring Cost		-	-	-	-	-	2.980	-	-	30.334	-	-	1.823	-	-	-	-	-	1.823		
Subtotal: Hardware - 2 - Mission Training Device (MTD) Cost		-	-	-	-	-	2.980	-	-	30.334	-	-	1.823	-	-	-	-	-	1.823		
Hardware - 3 - Infrared (IR) Suppression Cost																					
Recurring Cost																					

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Exhibit P-5, Cost Analysis: PB 2020 United States Special Operations Command													Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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 IR Suppression OCO	-	-	3.300	-	-	8.100	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	3.300	-	-	8.100	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - 3 - Infrared (IR) Suppression Cost	-	-	3.300	-	-	8.100	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - 4 - Automatic Dependent Surveillance - Broadcast (ADS-B) Upgrade Cost																		
Recurring Cost																		
4.1 ADS-B Upgrade OCO <sup>(†)</sup>	-	-	-	-	-	-	0.133	34	4.508	-	-	-	-	-	-	-	-	-
4.2 Installation	-	-	-	-	-	-	0.145	34	4.930	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	9.438	-	-	-	-	-	-	-	-	-
Non Recurring Cost																		
4.3 ADS-B	-	-	-	-	-	-	-	-	0.784	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	0.784	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - 4 - Automatic Dependent Surveillance - Broadcast (ADS-B) Upgrade Cost	-	-	-	-	-	-	-	-	10.222	-	-	-	-	-	-	-	-	-
Hardware - 5 - EQ+ Modification Cost																		
Recurring Cost																		
5.1 EQ to EQ+ Modification OCO <sup>(†)</sup>	9.000	2	18.000	-	-	-	-	-	-	-	-	-	7.875	4	31.500	7.875	4	31.500
5.2 PC-12 to EQ+ OCO <sup>(†)</sup>	-	-	-	14.830	1	14.830	16.000	2	32.000	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	18.000	-	-	14.830	-	-	32.000	-	-	-	-	-	31.500	-	-	31.500
Subtotal: Hardware - 5 - EQ + Modification Cost	-	-	18.000	-	-	14.830	-	-	32.000	-	-	-	-	-	31.500	-	-	31.500
Hardware - 6 - SIGINT Improvements Cost																		
Recurring Cost																		
6.1 SIGINT System Upgrades - OCO <sup>(†)</sup>	-	-	-	0.439	27	11.861	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	11.861	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - 6 - SIGINT Improvements Cost	-	-	-	-	-	11.861	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - 7 - Remote SIGINT Operation Cost																		
Recurring Cost																		

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Exhibit P-5, Cost Analysis: PB 2020 United States Special Operations Command														Date: March 2019				
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)
7.1 Remote SIGINT Operation - OCO <sup>(†)</sup>	-	-	-	0.295	26	7.670	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	7.670	-	-	-	-	-	-	-	-	-	-	-	-
Non Recurring Cost																		
10.2 First Article	-	-	-	2.422	1	2.422	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	-	-	-	2.422	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - 7 - Remote SIGINT Operation Cost	-	-	-	-	-	10.092	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - 8 - Mission Equipment Racks Cost																		
Recurring Cost																		
8.1 Mission Equipment Racks OCO <sup>(†)</sup>	-	-	-	-	-	-	0.500	13	6.500	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	6.500	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - 8 - Mission Equipment Racks Cost	-	-	-	-	-	-	-	-	6.500	-	-	-	-	-	-	-	-	-
Hardware - 9 - High Power Antenna Cost																		
Recurring Cost																		
9.1 High Power Antenna <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.184	25	4.600	-	-	-	0.184	25	4.600
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	4.600	-	-	-	-	-	4.600
Non Recurring Cost																		
9.2 First Article	-	-	-	-	-	-	-	-	-	1.259	2	2.517	-	-	-	1.259	2	2.517
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	2.517	-	-	-	-	-	2.517
Subtotal: Hardware - 9 - High Power Antenna Cost	-	-	-	-	-	-	-	-	-	-	-	7.117	-	-	-	-	-	7.117
Hardware - 10 - Prior Year Cost																		
Recurring Cost																		
10.1 Prior Year Costs	-	-	167.436	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	167.436	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - 10 - Prior Year Cost	-	-	167.436	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	191.999	-	-	51.832	-	-	84.023	-	-	10.898	-	-	31.500	-	-	42.398

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<b>Exhibit P-5, Cost Analysis:</b> PB 2020 United States Special Operations Command		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1	<b>P-1 Line Item Number / Title:</b> 0607U28 / U-28	<b>Item Number / Title [DODIC]:</b> U-28 Systems
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2020 United States Special Operations Command									Date: March 2019			
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				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	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		
4.1 ADS-B Upgrade OCO	✓	2019	SNC / Centennial, CO	TBD	Wright-Patterson AFB, OH	Aug 2019	Feb 2020	34	0.133			
5.1 EQ to EQ+ Modification OCO	✓	2020	SNC / Centennial, CO	TBD	Wright-Patterson AFB, OH	Apr 2020	Oct 2020	4	7.875			
5.2 PC-12 to EQ+ OCO	✓	2019	SNC / Centennial, CO	TBD	Wright-Patterson AFB, OH	Apr 2019	Nov 2019	2	16.000			
6.1 SIGINT System Upgrades - OCO	✓	2018	SNC / Centennial, CO	TBD	Wright-Patterson AFB, OH	Jan 2019	Jul 2019	27	0.439			
7.1 Remote SIGINT Operation - OCO	✓	2018	SNC / Centennial, CO	TBD	Wright-Patterson AFB, OH	Nov 2018	May 2019	26	0.295			
8.1 Mission Equipment Racks OCO	✓	2019	SNC / Centennial, CO	TBD	Wright-Patterson AFB, OH	Jul 2019	Jan 2020	13	0.500			
9.1 High Power Antenna		2020	SNC / Centennial, CO	TBD	Wright-Patterson AFB, OH	Jul 2020	Jul 2021	25	0.184			

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							<b>P-1 Line Item Number / Title:</b> 0610MH47 / MH-47 CHINOOK					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):				<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> 1160403BB				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	424.275	244.115	167.533	173.812	37.500	211.312	211.982	178.074	181.755	185.993	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	424.275	244.115	167.533	173.812	37.500	211.312	211.982	178.074	181.755	185.993	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>424.275</b>	<b>244.115</b>	<b>167.533</b>	<b>173.812</b>	<b>37.500</b>	<b>211.312</b>	<b>211.982</b>	<b>178.074</b>	<b>181.755</b>	<b>185.993</b>	<b>Continuing</b>	<b>Continuing</b>
<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> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	19.593	15.668	16.269	21.681	16.870	-	-	-	-	-	-
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 fielding and deployment as well as long range penetration of hostile tactical areas. ARSOA is authorized 69 highly specialized MH-47G Chinook aircraft, 61 of which are currently sheet metal constructed airframes. Three of the sheet metal aircraft have been lost in combat or pre-deployment training. Operational availability continues to be affected by increased maintenance actions and cost caused by high operational tempo and continuous combat operations within the Special Operations Aviation flight spectrum. Aging airframe fatigue and corrosion issues, coupled with diminishing manufacturing sources, have necessitated replacement of the remaining 61 MH-47G legacy sheet metal airframes with newly machined airframes to incorporate emerging technologies and to maintain mission effectiveness. The remaining eight machined airframes also require a retrofit to incorporate emerging technologies and improvements in machined airframe engineering, while maintaining mission effectiveness and performance across the entire MH-47G BLK II fleet. MFP-2 funds are provided by Army to cover common production, labor, and long lead material costs. This program received Overseas Contingency Operations (OCO) funding in FY2018 and FY2019 for aircraft losses occurring in September 2016 and October 2017, respectively. This P-1 line item includes \$37.500 million of FY2020 direct OCO funding for a battle loss in August 2018.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command								<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs						<b>P-1 Line Item Number / Title:</b> 0610MH47 / MH-47 CHINOOK				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):			<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> 1160403BB				
<b>Line Item MDAP/MAIS Code:</b> N/A										
Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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				- / 395.253	- / -	- / -	- / -	- / -	- / -
P-5	1 / MH-47 RENEW	P-5a, P-21			- / 29.022	8 / 244.115	7 / 167.533	8 / 173.812	1 / 37.500	9 / 211.312
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 424.275</b>	<b>- / 244.115</b>	<b>- / 167.533</b>	<b>- / 173.812</b>	<b>- / 37.500</b>	<b>- / 211.312</b>
<p>*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.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</p>										
<p><b>Justification:</b></p> <p>FY 2020 PROGRAM JUSTIFICATION: Funds the manufacture of eight 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.</p> <p>FY 2020 OVERSEAS CONTINGENCY OPERATIONS PROGRAM JUSTIFICATION: USSOCOM experienced a battle loss in August 2018 of one MH-47G helicopter. Funding procures one MH-47G new aircraft with Government Furnished Equipment (GFE), Aircraft Survivability Equipment, and Silent Knight Radar, restoring the USSOCOM BOI to 69 aircraft. Funds modifications to Aircraft Survivability Equipment to address emerging threats to the aircraft.</p>										



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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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			-	-	395.253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1 - Prior Years Funding			-	-	395.253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	395.253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 2020 United States Special Operations Command													Date: March 2019					
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:								
Resource Summary				Prior Years		FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total				
Procurement Quantity (Units in Each)				-		8		7		8		1		9				
Gross/Weapon System Cost (\$ in Millions)				29.022		244.115		167.533		173.812		37.500		211.312				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)				29.022		244.115		167.533		173.812		37.500		211.312				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				29.022		244.115		167.533		173.812		37.500		211.312				
(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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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 <sup>(1)</sup> (1)	-	-	-	19.593	8	156.741	15.668	7	109.679	16.269	8	130.152	21.681	1	21.681	16.870	9	151.833
Subtotal: Recurring Cost	-	-	-	-	-	156.741	-	-	109.679	-	-	130.152	-	-	21.681	-	-	151.833
Subtotal: Flyaway Cost	-	-	-	-	-	156.741	-	-	109.679	-	-	130.152	-	-	21.681	-	-	151.833
Hardware Cost																		
Recurring Cost																		
Government Furnished Equipment (GFE)	-	-	0.029	-	-	2.601	-	-	20.074	-	-	15.626	-	-	-	-	-	15.626
GFE (OCO)	-	-	-	-	-	10.270	-	-	5.935	-	-	-	-	-	6.129	-	-	6.129
GFE (CONG)	-	-	-	-	-	11.196	-	-	-	-	-	-	-	-	-	-	-	-
Aircraft Survivability Equipment (ASE) (OCO)	-	-	-	-	-	-	-	-	6.000	-	-	-	-	-	6.120	-	-	6.120
ASE (CONG)	-	-	-	-	-	30.351	-	-	-	-	-	-	-	-	-	-	-	-
Silent Knight Radar (SKR) (OCO)	-	-	-	-	-	-	-	-	3.500	-	-	-	-	-	3.570	-	-	3.570
SKR (CONG)	-	-	-	-	-	13.052	-	-	-	-	-	-	-	-	-	-	-	-
Avionics (CONG)	-	-	-	-	-	1.910	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.029	-	-	69.380	-	-	35.509	-	-	15.626	-	-	15.819	-	-	31.445
Subtotal: Hardware Cost	-	-	0.029	-	-	69.380	-	-	35.509	-	-	15.626	-	-	15.819	-	-	31.445
Support Cost																		

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<b>Exhibit P-5, Cost Analysis:</b> PB 2020 United States Special Operations Command												<b>Date:</b> March 2019					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1						<b>P-1 Line Item Number / Title:</b> 0610MH47 / MH-47 CHINOOK						<b>Item Number / Title [DODIC]:</b> 1 / MH-47 RENEW					

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>							
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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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)
Block Modifications	-	-	-	-	-	5.665	-	-	11.375	-	-	13.410	-	-	-	-	-	13.410
Post Production Modifications (CONG)	-	-	-	-	-	1.100	-	-	-	-	-	-	-	-	-	-	-	-
Production Engineering	-	-	27.550	-	-	6.975	-	-	7.114	-	-	7.342	-	-	-	-	-	7.342
Publication/Tech Data	-	-	0.143	-	-	3.216	-	-	1.700	-	-	5.000	-	-	-	-	-	5.000
Program Management	-	-	1.300	-	-	1.038	-	-	2.156	-	-	2.282	-	-	-	-	-	2.282
<i>Subtotal: Support Cost</i>	-	-	<b>28.993</b>	-	-	<b>17.994</b>	-	-	<b>22.345</b>	-	-	<b>28.034</b>	-	-	-	-	-	<b>28.034</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>29.022</b>	-	<b>8</b>	<b>244.115</b>	-	<b>7</b>	<b>167.533</b>	-	<b>8</b>	<b>173.812</b>	-	<b>1</b>	<b>37.500</b>	-	<b>9</b>	<b>211.312</b>

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

**Footnotes:**

(1) Boeing: Sole Source Original Equipment Manufacturer. Due to DTIC system constraints, Base (6) and OCO (1) are combined.

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2020 United States Special Operations Command								<b>Date:</b> March 2019				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1				<b>P-1 Line Item Number / Title:</b> 0610MH47 / MH-47 CHINOOK				<b>Item Number / Title [DODIC]:</b> 1 / MH-47 RENEW				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Airframe <sup>(†)</sup>		2018 <sup>(2)</sup>	Boeing / Philadelphia, PA	SS / CPFF	Fort Eustis, VA	Jul 2018	Aug 2020	8	19.593	Y		Nov 2016
Airframe <sup>(†)</sup>		2019 <sup>(3)</sup>	Boeing / Philadelphia, PA	SS / CPFF	Fort Eustis, VA	Jun 2019	Jul 2021	6	14.961	Y		Jun 2018
Airframe <sup>(†)</sup>	✓	2019	Boeing / Philadelphia, PA	SS / CPFF	Fort Eustis, VA	Jun 2019	Jul 2021	1	19.914	Y		Jun 2018
Airframe <sup>(†)</sup>		2020	Boeing / Philadelphia, PA	SS / CPFF	Fort Eustis, VA	Jun 2020	Jul 2022	8	16.269	Y		Nov 2018
Airframe <sup>(†)</sup>	✓	2020 <sup>(4)</sup>	Boeing / Philadelphia, PA	SS / CPFF	Fort Eustis, VA	Jun 2020	Jul 2022	1	21.681	Y		Jan 2019

<sup>(†)</sup> indicates the presence of a P-21

## Footnotes:

<sup>(2)</sup> FY 2018 baseline funding \$67.850 million for 4 airframes (unit cost (UC) \$16.962 million) and \$88.891 million congressional add funding for 4 airframes (UC \$22.223 million)

<sup>(3)</sup> FY 2019 baseline funding \$89.765 million for 6 airframes (UC \$14.961 million)

<sup>(4)</sup> FY 2020 OCO airframe unit cost increase is for New Build vice Renew of existing airframe.

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Exhibit P-21, Production Schedule: PB 2020 United States Special Operations Command															Date: March 2019				
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 2018														Fiscal Year 2019														BALANCE
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018														Calendar Year 2019														
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
Airframe <sup>(1)</sup>																																			
	1	2018	SOCOM	8	0	8											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8			
	1	2019	SOCOM	6	0	6																						A -	-	-	-	-	6		
✓	1	2019	SOCOM	1	0	1																							A -	-	-	-	1		
	1	2020	SOCOM	8	0	8																											8		
✓	1	2020	SOCOM	1	0	1																											1		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

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Exhibit P-21, Production Schedule: PB 2020 United States Special Operations Command															Date: March 2019				
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 2020													Fiscal Year 2021													BALANCE		
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT				Calendar Year 2020									Calendar Year 2021															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
Airframe <sup>(1)</sup>																																		
	1	2018	SOCOM	8	0	8	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	1	-	1	-	-	-	-	-	-	4	
	1	2019	SOCOM	6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	4		
✓	1	2019	SOCOM	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1				0		
	1	2020	SOCOM	8	0	8										A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	
✓	1	2020	SOCOM	1	0	1										A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				

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Exhibit P-21, Production Schedule: PB 2020 United States Special Operations Command																				Date: March 2019														
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			
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
Airframe <sup>(1)</sup>																																		
	1	2018	SOCOM	8	4	4	1	-	1	-	1	-	1																				0	
	1	2019	SOCOM	6	2	4	-	1	-	1	-	1	-	1																				0
✓	1	2019	SOCOM	1	1	0																											0	
	1	2020	SOCOM	8	0	8	-	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	-	1	-	1	1			0				
✓	1	2020	SOCOM	1	0	1	-	-	-	-	-	-	-	-	-	1																	0	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				

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Exhibit P-21, Production Schedule: PB 2020 United States Special Operations Command									Date: March 2019			
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			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2020	1-8-5 For 2020	MAX For 2020	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	2	2	6	11	10	25	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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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							<b>P-1 Line Item Number / Title:</b> 1000CV2200 / CV-22 MODIFICATION					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A				<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> 1160421BB, 1160403BB				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,744.291	42.178	32.529	17.256	-	17.256	21.509	38.770	45.569	70.188	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,744.291	42.178	32.529	17.256	-	17.256	21.509	38.770	45.569	70.188	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1,744.291</b>	<b>42.178</b>	<b>32.529</b>	<b>17.256</b>	<b>-</b>	<b>17.256</b>	<b>21.509</b>	<b>38.770</b>	<b>45.569</b>	<b>70.188</b>	<b>Continuing</b>	<b>Continuing</b>
<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> )	232.226	-	-	-	-	-	3.340	3.409	3.475	-	-	242.450
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b> 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 and CMV-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. When possible, rapid fielding will be used to develop, demonstrate and evaluate residual operational capabilities.												

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Exhibit P-40, Budget Line Item Justification: PB 2020 United States Special Operations Command			Date: March 2019		
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		
ID Code (A=Service Ready, B=Not Service Ready): A		Program Elements for Code B Items: N/A		Other Related Program Elements: 1160421BB, 1160403BB	
Line Item MDAP/MAIS Code: N/A					

Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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	1 / CV-22 Block 20 Upgrades (Added Capability)				- / 140.524	- / 34.509	- / 24.672	- / 12.360	- / -	- / 12.360
P-40a	CV-22 System				- / 1,603.767	- / 7.669	- / 7.857	- / 4.896	- / -	- / 4.896
P-40	Total Gross/Weapon System Cost				- / 1,744.291	- / 42.178	- / 32.529	- / 17.256	- / -	- / 17.256

Exhibits Schedule					FY 2021	FY 2022	FY 2023	FY 2024	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	1 / CV-22 Block 20 Upgrades (Added Capability)				- / 16.414	- / 33.568	- / 40.230	- / 61.561	Continuing	Continuing
P-40a	CV-22 System				- / -	- / -	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 21.509	- / 38.770	- / 45.569	- / 70.188	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 2020 PROGRAM JUSTIFICATION: Funds Low Cost Modifications and Simulator Block upgrades to address fielded deficiencies, obsolescence, reliability and maintainability issues. Funds 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 14 Color Helmet Mounted Display kits (CHMD) and 6 Suite of Integrated Radio Frequency Countermeasures SIRFC Correction of Deficiencies (COD) kits. Block 20 also includes training equipment, technical support and flight test.

**Efforts with funding starting in FY 2021 through FY 2024 are summarized on the P-40. Not all details of this funding are included in this P-40 exhibit set. A summary of the excepted details is as follows:**

- (a) FY 2021 Cost Delta: 5.095 million
- (b) FY 2022 Cost Delta: 5.202 million
- (c) FY 2023 Cost Delta: 5.339 million
- (d) FY 2024 Cost Delta: 8.627 million

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command							<b>Date:</b> March 2019				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1				<b>P-1 Line Item Number / Title:</b> 1000CV2200 / CV-22 MODIFICATION				<b>Modification Number / Title:</b> 1 / CV-22 Block 20 Upgrades			

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	140.524	34.509	24.672	12.360	-	12.360	16.414	33.568	40.230	61.561	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	140.524	34.509	24.672	12.360	-	12.360	16.414	33.568	40.230	61.561	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	140.524	34.509	24.672	12.360	-	12.360	16.414	33.568	40.230	61.561	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).

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command									Date: March 2019				
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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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 7: Color Helmet Mounted Display													
A Kits													
Recurring													
Color Helmet Mounted Display		24 / 7.658	- / -	3 / 1.050	14 / 4.900	- / -	14 / 4.900	- / -	- / -	- / -	- / -	41 / 13.608	
Subtotal: Recurring		24 / 7.658	- / -	3 / 1.050	14 / 4.900	- / -	14 / 4.900	- / -	- / -	- / -	- / -	41 / 13.608	
Subtotal: Color Helmet Mounted Display		24 / 7.658	- / -	3 / 1.050	14 / 4.900	- / -	14 / 4.900	- / -	- / -	- / -	- / -	41 / 13.608	
Modification Item 2 of 7: Suite of Integrated Radio Frequency Countermeasures (SIRFC) Correction of Deficiency (COD)													
A Kits													
Recurring													
SIRFC Correction of Deficiency		10 / 6.900	38 / 28.103	4 / 2.858	6 / 3.823	- / -	6 / 3.823	- / -	- / -	- / -	- / -	58 / 41.684	
Subtotal: Recurring		10 / 6.900	38 / 28.103	4 / 2.858	6 / 3.823	- / -	6 / 3.823	- / -	- / -	- / -	- / -	58 / 41.684	
Subtotal: Suite of Integrated Radio Frequency Countermeasures (SIRFC) Correction of Deficiency (COD)		10 / 6.900	38 / 28.103	4 / 2.858	6 / 3.823	- / -	6 / 3.823	- / -	- / -	- / -	- / -	58 / 41.684	
Modification Item 3 of 7: Global Positioning System (GPS) Improvements													
A Kits													
Recurring													
GPS Improvements		- / 2.000	- / -	- / 10.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.000	
Subtotal: Recurring		- / 2.000	- / -	- / 10.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.000	
Subtotal: Global Positioning System (GPS) Improvements		- / 2.000	- / -	- / 10.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.000	
Modification Item 4 of 7: Search Landing Light Step 2													
A Kits													
Recurring													
Search Landing Light Step 2		- / -	- / -	20 / 1.886	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 1.886	
Subtotal: Recurring		- / -	- / -	20 / 1.886	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 1.886	
Subtotal: Search Landing Light Step 2		- / -	- / -	20 / 1.886	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 1.886	

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command									Date: March 2019				
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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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)	
Modification Item 5 of 7: SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar													
A Kits													
Recurring													
Silent Knight Radar	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.680	6 / 20.441	8 / 27.799	15 / 50.100	Continuing	Continuing	
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.680	6 / 20.441	8 / 27.799	15 / 50.100	Continuing	Continuing	
Non-Recurring													
Initial Spares	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.340	1 / 3.409	1 / 3.475	- / -	- / -	3 / 10.224	
Subtotal: Non-Recurring	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.340	1 / 3.409	1 / 3.475	- / -	- / -	3 / 10.224	
Subtotal: SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar													
Modification Item 6 of 7: Forward Defensive Weapon System (FDWS)													
A Kits													
Recurring													
Forward Defensive Weapon System	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.793	Continuing	Continuing	
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.793	Continuing	Continuing	
Subtotal: Forward Defensive Weapon System (FDWS)													
Modification Item 7 of 7: Prior Year Funding													
A Kits													
Recurring													
Prior Year Funding	233 / 70.541	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	233 / 70.541	
Subtotal: Recurring	233 / 70.541	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	233 / 70.541	
Subtotal: Prior Year Funding													
Subtotal: Procurement, All Modification Items													
Support (All Modification Items)													
ECP Non-recurring Engineering	- / 29.029	- / 1.357	- / 0.373	- / -	- / -	- / -	- / 1.865	- / 3.244	- / 2.178	- / 0.822	- / -	- / 38.868	
Data	- / 0.006	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.006	
Training Equipment	- / 8.056	- / 0.720	- / 0.600	- / 0.720	- / -	- / 0.720	- / 0.970	- / 1.800	- / 1.836	- / 0.875	Continuing	Continuing	
Support Equipment	- / 3.410	- / 0.142	- / 5.341	- / -	- / -	- / -	- / 0.750	- / 1.550	- / 0.705	- / 0.505	Continuing	Continuing	
Technical Support	- / 3.947	- / 1.873	- / 1.423	- / 1.475	- / -	- / 1.475	- / 1.456	- / 2.089	- / 2.131	- / 1.823	Continuing	Continuing	
Flight Test	- / 2.204	- / 2.314	- / 0.641	- / 0.772	- / -	- / 0.772	- / 0.500	- / 0.505	- / 0.510	- / 0.515	Continuing	Continuing	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1					<b>P-1 Line Item Number / Title:</b> 1000CV2200 / CV-22 MODIFICATION					<b>Modification Number / Title:</b> 1 / CV-22 Block 20 Upgrades			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> CV-22				<b>Modification Type:</b> Added Capability				<b>Related RDT&amp;E PEs:</b> 1160403BB					
Financial Plan	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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: Support</i>	- / 46.652	- / 6.406	- / 8.378	- / 2.967	- / -	- / 2.967	- / 5.541	- / 9.188	- / 7.360	- / 4.540	Continuing	Continuing	
<b>Installation</b>													
<b>Modification Item 1 of 7:</b> Color Helmet Mounted Display	8 / 0.480	- / -	8 / 0.500	11 / 0.670	- / -	11 / 0.670	14 / 0.853	- / -	- / -	- / -	- / -	41 / 2.503	
<b>Modification Item 5 of 7:</b> SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.530	6 / 1.596	8 / 2.128	36 / 9.730	52 / 13.984	
<b>Modification Item 7 of 7:</b> Prior Year Funding	173 / 6.293	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	173 / 6.293	
<i>Subtotal: Installation</i>	- / 6.773	- / -	- / 0.500	- / 0.670	- / -	- / 0.670	- / 0.853	- / 0.530	- / 1.596	- / 2.128	- / 9.730	- / 22.780	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	<b>140.524</b>	<b>34.509</b>	<b>24.672</b>	<b>12.360</b>	<b>-</b>	<b>12.360</b>	<b>16.414</b>	<b>33.568</b>	<b>40.230</b>	<b>61.561</b>	<b>Continuing</b>	<b>Continuing</b>	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command											<b>Date:</b> March 2019																					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1											<b>P-1 Line Item Number / Title:</b> 1000CV2200 / CV-22 MODIFICATION											<b>Modification Number / Title:</b> 1 / CV-22 Block 20 Upgrades										
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :																<b>MDAP/MAIS Code:</b>																
<b>Modification Item 1 of 7:</b> Color Helmet Mounted Display																																
<b>Manufacturer Information</b>																																
Manufacturer Name: Bell-Boeing														Manufacturer Location: Amarillo, TX																		
Administrative Leadtime (in Months): 1														Production Leadtime (in Months): 7																		
<b>Dates</b>		<b>FY 2018</b>				<b>FY 2019</b>				<b>FY 2020</b>				<b>FY 2021</b>				<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>						
Contract Dates						Nov 2018				Nov 2019																						
Delivery Dates						Jun 2019				Jun 2020																						
<b>Installation Information</b>																																
<b>Method of Implementation:</b> Contractor																																
<b>Installation Cost</b>		<b>Prior Years</b>		<b>FY 2018</b>		<b>FY 2019</b>		<b>FY 2020 Base</b>		<b>FY 2020 OCO</b>		<b>FY 2020 Total</b>		<b>FY 2021</b>		<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024</b>		<b>To Complete</b>		<b>Total</b>								
		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 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2019		- / -		- / -		8 / 0.500		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		8 / 0.500						
FY 2020		- / -		- / -		- / -		11 / 0.670		- / -		11 / 0.670		- / -		- / -		- / -		- / -		- / -		- / -		11 / 0.670						
FY 2021		- / -		- / -		- / -		- / -		- / -		- / -		14 / 0.853		- / -		- / -		- / -		- / -		- / -		14 / 0.853						
FY 2022		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2023		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2024		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		8 / 0.480		- / -		8 / 0.500		11 / 0.670		- / -		11 / 0.670		14 / 0.853		- / -		- / -		- / -		- / -		- / -		41 / 2.503						
<b>Installation Schedule</b>																																
	<b>PYS</b>	<b>FY 2018</b>				<b>FY 2019</b>				<b>FY 2020</b>				<b>FY 2021</b>				<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>TC</b>	<b>Tot</b>	
		<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>			
In	8	-	-	-	-	-	2	2	4	2	2	3	4	3	3	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	41	
Out	8	-	-	-	-	-	-	2	2	4	2	2	3	4	3	3	4	4	-	-	-	-	-	-	-	-	-	-	-	-	41	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command						<b>Date:</b> March 2019	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1			<b>P-1 Line Item Number / Title:</b> 1000CV2200 / CV-22 MODIFICATION			<b>Modification Number / Title:</b> 1 / CV-22 Block 20 Upgrades	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 2 of 7:</b> Suite of Integrated Radio Frequency Countermeasures (SIRFC) Correction of Deficiency (COD)							
<b>Manufacturer Information</b>							
Manufacturer Name: Harris				Manufacturer Location: Clifton, NJ			
Administrative Leadtime ( <i>in Months</i> ): 2				Production Leadtime ( <i>in Months</i> ): 20			
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract Dates	Dec 2017	Dec 2018	Dec 2019				
Delivery Dates	Aug 2019	Aug 2020	Aug 2021				
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Organizational (O-Level)						<b>Installation Quantity:</b> 51	



# UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command						<b>Date:</b> March 2019	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1			<b>P-1 Line Item Number / Title:</b> 1000CV2200 / CV-22 MODIFICATION			<b>Modification Number / Title:</b> 1 / CV-22 Block 20 Upgrades	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 3 of 7:</b> Global Positioning System (GPS) Improvements							
<b>Manufacturer Information</b>							
Manufacturer Name: TBD					Manufacturer Location: TBD		
Administrative Leadtime ( <i>in Months</i> ):					Production Leadtime ( <i>in Months</i> ):		
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract Dates		Jul 2019					
Delivery Dates		Aug 2020					
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Organizational (O-Level)						<b>Installation Quantity:</b> 0	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command						<b>Date:</b> March 2019	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1			<b>P-1 Line Item Number / Title:</b> 1000CV2200 / CV-22 MODIFICATION			<b>Modification Number / Title:</b> 1 / CV-22 Block 20 Upgrades	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 4 of 7:</b> Search Landing Light Step 2							
<b>Manufacturer Information</b>							
Manufacturer Name: Bell-Boeing					Manufacturer Location: Amarillo TX		
Administrative Leadtime <i>(in Months)</i> : 7					Production Leadtime <i>(in Months)</i> : 13		
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract Dates		Apr 2019					
Delivery Dates		May 2020					
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> O-LEVEL						<b>Installation Quantity:</b> 20	

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command											<b>Date:</b> March 2019																				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1					<b>P-1 Line Item Number / Title:</b> 1000CV2200 / CV-22 MODIFICATION					<b>Modification Number / Title:</b> 1 / CV-22 Block 20 Upgrades																					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>																					
<b>Modification Item 5 of 7:</b> SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar																															
<b>Manufacturer Information</b>																															
Manufacturer Name: Raytheon										Manufacturer Location: McKinney, TX																					
Administrative Leadtime (in Months): 7										Production Leadtime (in Months): 18																					
<b>Dates</b>	<b>FY 2018</b>				<b>FY 2019</b>				<b>FY 2020</b>				<b>FY 2021</b>		<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024</b>												
Contract Dates													Apr 2021		Apr 2022		Apr 2023		Apr 2024												
Delivery Dates													Oct 2022		Oct 2023		Oct 2024		Oct 2025												
<b>Installation Information</b>																															
<b>Method of Implementation:</b> Contractor																															
<b>Installation Cost</b>		<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>																		
		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 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2021		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2022		- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.530	- / -	- / -	- / -	2 / 0.530																		
FY 2023		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.596	- / -	- / -	6 / 1.596																		
FY 2024		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 2.128	- / -	8 / 2.128																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 9.730	36 / 9.730																		
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.530	6 / 1.596	8 / 2.128	36 / 9.730	52 / 13.984																		
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2018</b>				<b>FY 2019</b>				<b>FY 2020</b>				<b>FY 2021</b>				<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>TC</b>	<b>Tot</b>
		<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	2	2	2	2	2	36	52
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	2	2	2	2	38	52

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command					Date: March 2019		
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 7: Forward Defensive Weapon System (FDWS)							
Manufacturer Information							
Manufacturer Name: Competitive Award				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Contract Dates							Jan 2024
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organizational (O-Level)					Installation Quantity: 52		

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command											<b>Date:</b> March 2019																				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1					<b>P-1 Line Item Number / Title:</b> 1000CV2200 / CV-22 MODIFICATION					<b>Modification Number / Title:</b> 1 / CV-22 Block 20 Upgrades																					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>																					
<b>Modification Item 7 of 7:</b> Prior Year Funding																															
<b>Manufacturer Information</b>																															
Manufacturer Name: Bell_Boeing										Manufacturer Location: Amarillo TX																					
Administrative Leadtime (in Months): 7										Production Leadtime (in Months): 13																					
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>																								
Contract Dates																															
Delivery Dates																															
<b>Installation Information</b>																															
<b>Method of Implementation:</b> Contractor																															
<b>Installation Cost</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>																			
	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	173 / 6.293	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	173 / 6.293																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	173 / 6.293	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	173 / 6.293																			
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2018</b>				<b>FY 2019</b>				<b>FY 2020</b>				<b>FY 2021</b>				<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>TC</b>	<b>Tot</b>
		<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>		
In	173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	173
Out	173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	173

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command																Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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 Modifications			-	-	4.879	-	-	1.934	-	-	1.950	-	-	1.980	-	-	-	-	-	1.980	
1.2 / Enhanced Situational Awareness Mission Kits			-	-	28.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1 - CV-22 Low Cost Modifications			-	-	32.884	-	-	1.934	-	-	1.950	-	-	1.980	-	-	-	-	-	1.980	
2 - CV-22 Mission Training and Preparation Systems																					
2.1 / CV-22 Simulator Block Upgrades			-	-	28.185	-	-	5.735	-	-	5.907	-	-	2.916	-	-	-	-	-	2.916	
Subtotal: 2 - CV-22 Mission Training and Preparation Systems			-	-	28.185	-	-	5.735	-	-	5.907	-	-	2.916	-	-	-	-	-	2.916	
Prior Year																					
Prior Year Recurring			18.438	52	958.772	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.2 / Prior Year Non-Recurring			-	-	583.926	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Prior Year			-	-	1,542.698	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	1,603.767	-	-	7.669	-	-	7.857	-	-	4.896	-	-	-	-	-	4.896	

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

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							<b>P-1 Line Item Number / Title:</b> 1108MQ9 / MQ-9 UNMANNED AERIAL VEHICLE					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):				<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> 1105219BB				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	236.457	41.440	24.621	5.338	1.900	7.238	7.346	7.116	7.126	11.150	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	236.457	41.440	24.621	5.338	1.900	7.238	7.346	7.116	7.126	11.150	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>236.457</b>	<b>41.440</b>	<b>24.621</b>	<b>5.338</b>	<b>1.900</b>	<b>7.238</b>	<b>7.346</b>	<b>7.116</b>	<b>7.126</b>	<b>11.150</b>	<b>Continuing</b>	<b>Continuing</b>
<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> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b> The MQ-9 Unmanned Aerial Vehicle (UAV) line item funds the acquisition and rapid fielding 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 global 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 Overseas Contingency Operations (OCO) funding in FY 2018. This P-1 line item includes \$1.900 million of FY2020 direct OCO funding.												

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command								<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs						<b>P-1 Line Item Number / Title:</b> 1108MQ9 / MQ-9 UNMANNED AERIAL VEHICLE				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):			<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> 1105219BB				
<b>Line Item MDAP/MAIS Code:</b> N/A										
Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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			- / 236.457	- / 41.440	- / 24.621	- / 5.338	- / 1.900	- / 7.238
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 236.457</b>	<b>- / 41.440</b>	<b>- / 24.621</b>	<b>- / 5.338</b>	<b>- / 1.900</b>	<b>- / 7.238</b>
<small>*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.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										

**Justification:**

FY 2020 PROGRAM JUSTIFICATION: Leverages other service and activity fielded capabilities in order to rapidly procure SOF-peculiar mission kits, mission payloads, weaponization, modifications, and production support.

FY 2020 OCO PROGRAM JUSTIFICATION: Procures combat loss replacement of SOF-peculiar modifications (mission kits and payloads).



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Exhibit P-5, Cost Analysis: PB 2020 United States Special Operations Command													Date: March 2019								
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:											
Resource Summary				Prior Years			FY 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 Total		
Procurement Quantity (Units in Each)				-			-			-			-			-			-		
Gross/Weapon System Cost (\$ in Millions)				236.457			41.440			24.621			5.338			1.900			7.238		
Less PY Advance Procurement (\$ in Millions)				-			-			-			-			-			-		
Net Procurement (P-1) (\$ in Millions)				236.457			41.440			24.621			5.338			1.900			7.238		
Plus CY Advance Procurement (\$ in Millions)				-			-			-			-			-			-		
Total Obligation Authority (\$ in Millions)				236.457			41.440			24.621			5.338			1.900			7.238		
(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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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	-	-	59.777	-	-	21.156	-	-	24.121	-	-	4.838	-	-	-	-	-	4.838			
Mission Kits and Mission Payloads OCO	-	-	-	-	-	14.000 <sup>(1)</sup>	-	-	-	-	-	-	-	-	1.900	-	-	1.900			
Mission Kits OCO - Sante Fe Pod and Modifications <sup>(†)</sup>	-	-	-	5.780	1	5.780	-	-	-	-	-	-	-	-	-	-	-	-			
Production Support	-	-	5.025	-	-	0.504	-	-	0.500	-	-	0.500	-	-	-	-	-	0.500			
Prior Year Funding	-	-	133.873	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Subtotal: Recurring Cost	-	-	198.675	-	-	41.440	-	-	24.621	-	-	5.338	-	-	1.900	-	-	7.238			
Non Recurring Cost																					
Prior Year Funding	-	-	37.782	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Subtotal: Non Recurring Cost	-	-	37.782	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Subtotal: Hardware - MQ-9 Unmanned Aerial Vehicle (UAV) Cost	-	-	236.457	-	-	41.440	-	-	24.621	-	-	5.338	-	-	1.900	-	-	7.238			
Gross/Weapon System Cost	-	-	236.457	-	-	41.440	-	-	24.621	-	-	5.338	-	-	1.900	-	-	7.238			
Remarks:																					

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<b>Exhibit P-5, Cost Analysis:</b> PB 2020 United States Special Operations Command		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1	<b>P-1 Line Item Number / Title:</b> 1108MQ9 / MQ-9 UNMANNED AERIAL VEHICLE	<b>Item Number / Title [DODIC]:</b> AVIATION
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
Quantities and unit costs vary based on mission requirements established by the operational community within the year of execution.		
(†) indicates the presence of a P-5a		
<b>Footnotes:</b>		
(1) The TONTO program was cancelled. The FY18 OCO funding will be reprogrammed and utilized for higher command priorities.		

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Exhibit P-5a, Procurement History and Planning: PB 2020 United States Special Operations Command										Date: March 2019		
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			
Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
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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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	<b>P-1 Line Item Number / Title:</b> 1202PSP / PRECISION STRIKE PACKAGE
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1160429BB, 1160403BB
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	754.337	219.728	226.965	232.930	-	232.930	243.111	168.520	142.038	135.542	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	754.337	219.728	226.965	232.930	-	232.930	243.111	168.520	142.038	135.542	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	754.337	219.728	226.965	232.930	-	232.930	243.111	168.520	142.038	135.542	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> )	39.914	16.503	13.443	15.128	-	15.128	-	-	-	-	Continuing	Continuing
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	28.821	31.052	31.674	-	31.674	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Precision Strike Package (PSP) for Special Operations Forces (SOF) funds the procurement, installation, and rapid fielding 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, gun systems and high energy laser. The recapitalization of the AC-130H, AC-130W, and AC-130U aircraft will be accomplished by installing PSP kits onto MC-130J service provided aircraft. The PSP kit is modular, scalable, and platform agnostic.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command								<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs						<b>P-1 Line Item Number / Title:</b> 1202PSP / PRECISION STRIKE PACKAGE				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):			<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> 1160429BB, 1160403BB				
<b>Line Item MDAP/MAIS Code:</b> N/A										
Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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			15 / 754.337	5 / 219.728	5 / 226.965	5 / 232.930	- / -	5 / 232.930
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 754.337</b>	<b>- / 219.728</b>	<b>- / 226.965</b>	<b>- / 232.930</b>	<b>- / -</b>	<b>- / 232.930</b>
<small>*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.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										

**Justification:**  
 FY 2020 PROGRAM JUSTIFICATION: Procures five PSP kits (including the large caliber gun capability), non-recurring AC-130J/W deficiency resolutions, hanger lease, technical orders, associated peculiar support equipment (includes installation hardware & special test equipment), contractor support, facilities, travel, initial spares, and other government costs for integration and test onto service provided MC-130J aircraft.

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Exhibit P-5, Cost Analysis: PB 2020 United States Special Operations Command													Date: March 2019					
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 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total				
Procurement Quantity ( <i>Units in Each</i> )				15		5		5		5		-		5				
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				754.337		219.728		226.965		232.930		-		232.930				
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
Net Procurement (P-1) ( <i>\$ in Millions</i> )				754.337		219.728		226.965		232.930		-		232.930				
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
Total Obligation Authority ( <i>\$ in Millions</i> )				754.337		219.728		226.965		232.930		-		232.930				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares ( <i>\$ in Millions</i> )				39.914		16.503		13.443		15.128		-		15.128				
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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 - Armament/Weapons Delivery Cost																		
Recurring Cost																		
PSP Kit and Installs <sup>(†)</sup>	23.603	14	330.440	28.821	5	144.106	31.052	5	155.263	31.674	5	158.368	-	-	-	31.674	5	158.368
PSP Kit OCO	25.556	1	25.556	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prior Year Recurring Costs	-	-	286.412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	642.408	-	-	144.106	-	-	155.263	-	-	158.368	-	-	-	-	-	158.368
Non Recurring Cost																		
AC-130J Deficiency Resolutions	-	-	-	-	-	5.280	-	-	13.833	-	-	14.109	-	-	-	-	-	14.109
AC-130W Deficiency Resolutions	-	-	-	-	-	12.293	-	-	5.663	-	-	5.776	-	-	-	-	-	5.776
Test	-	-	-	-	-	-	-	-	0.903	-	-	0.921	-	-	-	-	-	0.921
Prior Year Non-Recurring Costs	-	-	56.733	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	56.733	-	-	17.573	-	-	20.399	-	-	20.806	-	-	-	-	-	20.806
Subtotal: Hardware - Armament/Weapons Delivery Cost	-	-	699.141	-	-	161.679	-	-	175.662	-	-	179.174	-	-	-	-	-	179.174
Support - Armament/Weapons Delivery Cost																		
Hanger Lease	-	-	-	-	-	-	-	-	8.336	-	-	8.503	-	-	-	-	-	8.503
Technical Orders	-	-	-	-	-	1.750	-	-	2.250	-	-	1.830	-	-	-	-	-	1.830

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Exhibit P-5, Cost Analysis: PB 2020 United States Special Operations Command													Date: March 2019					
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:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)
Peculiar Support Equipment	-	-	-	-	-	12.973	-	-	3.452	-	-	2.570	-	-	-	-	-	2.570
Contractor Support	-	-	-	-	-	23.711	-	-	19.068	-	-	20.833	-	-	-	-	-	20.833
Facilities	-	-	-	-	-	0.185	-	-	1.517	-	-	1.624	-	-	-	-	-	1.624
Travel	-	-	-	-	-	0.630	-	-	0.612	-	-	0.628	-	-	-	-	-	0.628
Initial Spares	-	-	39.914	-	-	16.503	-	-	13.443	-	-	15.128	-	-	-	-	-	15.128
Other Government Costs	-	-	15.282	-	-	2.297	-	-	2.625	-	-	2.640	-	-	-	-	-	2.640
Subtotal: Support - Armament/Weapons Delivery Cost	-	-	55.196	-	-	58.049	-	-	51.303	-	-	53.756	-	-	-	-	-	53.756
Gross/Weapon System Cost	-	15	754.337	-	5	219.728	-	5	226.965	-	5	232.930	-	-	-	-	5	232.930

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



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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2020 United States Special Operations Command		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1	<b>P-1 Line Item Number / Title:</b> 1202PSP / PRECISION STRIKE PACKAGE	<b>Item Number / Title [DODIC]:</b> 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 (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
PSP Kit and Installs		2018	Various / Various	Various	Various	Apr 2018	Jun 2019	5	28.821	Y		
PSP Kit and Installs		2019	Various / Various	Various	Various	Apr 2019	Jun 2020	5	31.052	Y		
PSP Kit and Installs		2020	Various / Various	Various	Various	Apr 2020	Jun 2021	5	31.674	Y		

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**Exhibit P-40, Budget Line Item Justification:** PB 2020 United States Special Operations Command **Date:** March 2019

**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

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	322.054	164.837	160.681	173.419	-	173.419	187.846	234.161	302.270	322.669	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	322.054	164.837	160.681	173.419	-	173.419	187.846	234.161	302.270	322.669	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	322.054	164.837	160.681	173.419	-	173.419	187.846	234.161	302.270	322.669	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	13.549	19.023	13.877	-	13.877	4.577	16.854	41.265	45.556	Continuing	Continuing
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

## Description:

The AC/MC-130J line funds the replacement and rapid fielding Special Operations Forces (SOF) capabilities on these aging airframes: 14 MC-130E Combat Talon I, 23 MC-130P Combat Shadow, and 20 MC-130H Combat Talon II aircraft. "AC" strike platforms perform close air support, air interdiction, and armed reconnaissance missions. "MC" mobility platforms perform clandestine or low visibility, single, or multi-ship low-level missions intruding politically-sensitive or hostile territory. The AC/MC-130J project funds core SOF-unique modifications to replace aging/retired legacy strike and mobility C-130 aircraft. The AC-130J Ghost Rider aircraft are modified with the PSP to replace the AC-130H Spectre (8 of 8 retired), AC-130W Stinger II (3 of 12 retired) and AC-130U Spooky (7 of 10 retired) airframes. The AC-130J aircraft will provide close air support, air interdiction, and armed reconnaissance capability. MC-130J Commando II aircraft are being modified with SOF mission capabilities to replace the MC-130E Combat Talon I (14 of 14 retired), MC-130P Combat Shadow (23 of 23 retired), and MC-130H Combat Talon II (5 of 20 retired) airframes. The MC-130J Commando II performs clandestine or low visibility, single or multi-ship low-level missions intruding politically-sensitive or hostile territories; provide air refueling for special operations helicopters and CV-22 aircraft; and airdrop of leaflets, insert small special operations teams, resupply bundles and combat rubber raiding craft. The Air Force procures and fields the basic aircraft, common support equipment, and weapon system trainers (WST). USSOCOM modifies the WST with SOF-peculiar equipment and procures additional training devices for SOF unique mission systems. Rapid fielding and incremental upgrades are used to integrate SOF capabilities onto the aircraft. SOF capabilities include, but are not limited to, real time situational awareness, data fusion, threat detection and avoidance, integrated terrain following/terrain avoidance, navigation, electronic warfare, dynamic route replanning, and embedded training. Integrating SOF mission systems and automating these capabilities is critical to fielding SOF-capable AC/MC-130J aircraft to recapitalize Air Force Special Operations Command's legacy C-130 fleet and reduce the required crew complement for this operational environment.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	<b>P-1 Line Item Number / Title:</b> 2012C130J / AC/MC-130J
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1160403BB
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Line Item MDAP/MAIS Code: 0000

Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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	1 / Special Mission System (SMS) (System Upgrade)				- / 102.641	- / 36.354	- / 51.996	- / 47.161	- / -	- / 47.161
P-3a	2 / AC/MC-130J (RF Countermeasures) (System Upgrade)				- / -	- / 40.244	- / 57.741	- / 41.630	- / -	- / 41.630
P-3a	3 / AC-130J (PSP Retrofit) (System Upgrade)				- / 143.884	- / 36.332	- / 32.629	- / 33.798	- / -	- / 33.798
P-3a	4 / MC-130J Airborne Mission Networking (AbMN) (System Upgrade)				- / -	- / 3.329	- / 4.888	- / 6.807	- / -	- / 6.807
P-3a	5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar (System Upgrade)				- / -	- / -	- / 0.925	- / 8.964	- / -	- / 8.964
P-40a	AC/MC-130J Systems				- / 75.529	- / 48.578	- / 12.502	- / 35.059	- / -	- / 35.059
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 322.054</b>	<b>- / 164.837</b>	<b>- / 160.681</b>	<b>- / 173.419</b>	<b>- / -</b>	<b>- / 173.419</b>

Exhibits Schedule					FY 2021	FY 2022	FY 2023	FY 2024	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	1 / Special Mission System (SMS) (System Upgrade)				- / 44.823	- / 53.711	- / 53.121	- / 60.205	Continuing	Continuing
P-3a	2 / AC/MC-130J (RF Countermeasures) (System Upgrade)				- / 54.310	- / 84.112	- / 136.938	- / 150.131	Continuing	Continuing
P-3a	3 / AC-130J (PSP Retrofit) (System Upgrade)				- / 35.052	- / 24.684	- / 15.982	- / 0.000	Continuing	Continuing
P-3a	4 / MC-130J Airborne Mission Networking (AbMN) (System Upgrade)				- / 16.966	- / 22.701	- / 31.236	- / 39.281	Continuing	Continuing
P-3a	5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar (System Upgrade)				- / 29.389	- / 36.958	- / 51.619	- / 59.017	Continuing	Continuing
P-40a	AC/MC-130J Systems				- / -	- / -	- / -	- / -	- / -	- / -
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 187.846</b>	<b>- / 234.161</b>	<b>- / 302.270</b>	<b>- / 322.669</b>	<b>Continuing</b>	<b>Continuing</b>

\*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 2020 PROGRAM JUSTIFICATION: Procures five Special Mission System kits for installation on eight AC/MC-130J aircraft plus support costs. Supports technical risk reduction, consolidation of technical data, and modification for MC-130J mission systems which interface to the aircraft and each other through the Special Mission System. Procures seven Electronic Warfare Radio Frequency Countermeasures A Kits, and four B Kits for installation on the AC/MC-130J aircraft plus initial spares and support costs. Funds integration of five MC-130J aircraft Precision Strike Package (PSP) retrofit modifications and other government costs to the AC-130J configuration. Procures two Airborne Mission Networking A-kits and two B-kits for installation on the MC-130J plus support costs. Procures two C-130 SOF common TFTA (Silent Knight) Radar A kits and one B kit for installation on the MC-130J aircraft plus support costs. Procures two AFT cabin trainers, one gun training room and long lead material. Procures two Auxiliary Flight Deck Station kits for installation on the MC-130J aircraft plus support costs. Supports modifications to include, but not limited to: Defensive System Upgrades, Variable Speed Drogue and Weight management on MC-130J aircraft plus support costs.

**Efforts with funding starting in FY 2021 through FY 2024 are summarized on the P-40. Not all details of this funding are included in this P-40 exhibit set. A summary of the excepted details is as follows:**

(a) FY 2021 Cost Delta: 7.306 million

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Exhibit P-40, Budget Line Item Justification: PB 2020 United States Special Operations Command		Date: March 2019
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		
<div>(b) FY 2022 Cost Delta: 11.994 million</div> <div>(c) FY 2023 Cost Delta: 13.374 million</div> <div>(d) FY 2024 Cost Delta: 14.035 million</div> <div>(e) To Complete and Total Delta: Continuing</div>		

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### 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 enables 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.

This program will be going to Full Rate Production contract in FY22 which will utilize a competitive award and based on that award delivery dates will be provided.

## Development Status/Major Development Milestones

Date	Title	Description
Nov 2014	MS C	Milestone C

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command									Date: March 2019				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 2012C130J / AC/MC-130J					Modification Number / Title: 1 / Special Mission System (SMS)				
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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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													
Procurement													
Modification Item 1 of 1: AC/MC-130J SMS													
A Kits													
Recurring													
AC/MC-130J Aircraft Kits <sup>(1)</sup>													
AC/MC-130J Aircraft Modifications (Labor) <sup>(3)</sup>													
Subtotal: Recurring													
B Kits													
Recurring													
AC/MC-130J Special Mission Processor Kits (LRU) <sup>(4)</sup>													
Subtotal: Recurring													
Non-Recurring													
AC/MC-130J Initial Spares <sup>(5)</sup>													
AC/MC-130J Diminishing Manufacturing Resources Technology Refresh <sup>(6)</sup>													
AC/MC-130J Technical Data/Publications													
Subtotal: Non-Recurring													
Subtotal: AC/MC-130J SMS													
Subtotal: Procurement, All Modification Items													
Support (All Modification Items)													
AC/MC-130J Simulator/Training Systems <sup>(7)</sup>													
AC/MC-130J Non-Recurring Engineering Support (Integration)													
AC/MC-130J Other Government Costs													
MC-130J Technical Data/Publications													
MC-130J Synchronized Modification Infrastructure													
MC-130J Synchronized Modification Support Equipment <sup>(8)</sup>													
Subtotal: Support													
Installation													
Subtotal: Installation													

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command									Date: March 2019				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 2012C130J / AC/MC-130J					Modification Number / Title: 1 / Special Mission System (SMS)				
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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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)	
Total													
Total Cost (Procurement + Support + Installation)		102.641	36.354	51.996	47.161	-	47.161	44.823	53.711	53.121	60.205	Continuing	Continuing



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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command						<b>Date:</b> March 2019	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1			<b>P-1 Line Item Number / Title:</b> 2012C130J / AC/MC-130J			<b>Modification Number / Title:</b> 1 / Special Mission System (SMS)	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 1:</b> AC/MC-130J SMS							
<b>Manufacturer Information</b>							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Marietta, GA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 17			
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract Dates	Apr 2018	Jan 2019	Feb 2020	Feb 2021			
Delivery Dates	Jul 2019	Apr 2020	May 2021	May 2022			
Manufacturer Name: Competitive Award				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract Dates					Jul 2022	Jul 2023	Jul 2024
Delivery Dates							
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Original Equipment Manufacturer (OEM)/Organic						<b>Installation Quantity:</b> 31	
<b>Method of Implementation (Organic):</b> Modification Line						<b>Installation Quantity:</b> 63	
<p><b>Footnotes:</b></p> <p>(1) FY19-FY21 reflects kits procured (18 month lead time) for the AC-130J aircraft at a rate of 5 per year. FY22-FY30 reflects kits procured for MC-130J aircraft at a rate of 6 per year.</p> <p>(2) FY19-24 total kit costs reflect contract actuals from undefinitized contract action in March of 2018</p> <p>(3) FY18-FY24 Aircraft modifications reflects AC-130J 5/5/5/5/5/0 and MC-130J 4/4/3/0/0/0/6</p> <p>(4) Special Mission Systems LRU's are procured at a rate of 2 per aircraft for a total of 302 (37 AC/57MC)</p> <p>(5) Initial spares are procured for both the AC/MC-130J to meet the delivery rate of operationally fielded aircraft at 2 AC-130J and 7 MC-130J operating bases.</p> <p>(6) FY18 AC/MC-130J Diminishing manufacturing resources complete issue resolution on the Special Mission Processor (SMP). FY19 initiates DMS driven SMP replacement and FY20 procurement to meet delivery schedule for MC-130J aircraft modification.</p> <p>(7) Simulator/trainers procurement supports modifications to existing crew training devices for AC/MC-130J using an overarching multiyear IDIQ contract</p> <p>(8) MC-130J Modification equipment supports the stand up of facilities for synchronized modifications to include but not limited to: tooling, fire suppression and support equipment.</p>							

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command							<b>Date:</b> March 2019				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1				<b>P-1 Line Item Number / Title:</b> 2012C130J / AC/MC-130J				<b>Modification Number / Title:</b> 2 / AC/MC-130J (RF Countermeasures)			

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	40.244	57.741	41.630	-	41.630	54.310	84.112	136.938	150.131	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	40.244	57.741	41.630	-	41.630	54.310	84.112	136.938	150.131	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	40.244	57.741	41.630	-	41.630	54.310	84.112	136.938	150.131	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	9.277	13.576	3.741	-	3.741	-	7.729	26.281	28.934	Continuing	Continuing
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

**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 Situational Awareness system and display, and determines and implements appropriate response to eliminate or degrade the threat.

This program will be going to full rate production contact in FY 2022 which will utilize a competitive award.

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command									Date: March 2019				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 2012C130J / AC/MC-130J					Modification Number / Title: 2 / 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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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 - / 115.040 - / 49.748 - / 14.432 - / 44.739 - / - - / 44.739 - / 52.934 - / 19.153 - / - - / 9.000 - / - - / 305.046													
Procurement													
Modification Item 1 of 1: AC/MC-130J RF Countermeasures													
A Kits													
Recurring													
AC/MC-130J Aircraft Kits <sup>(9)</sup> - / - 4 / 3.636 4 / 3.708 7 / 6.622 - / - 7 / 6.622 9 / 8.685 11 / 10.824 11 / 11.044 11 / 11.264 Continuing Continuing													
AC/MC-130J Aircraft Modifications (Labor) <sup>(10)</sup> - / - - / - - / 4.060 - / 4.080 - / - - / 4.080 - / 6.031 - / 9.000 - / 11.220 - / 11.444 Continuing Continuing													
Subtotal: Recurring - / - - / 3.636 - / 7.768 - / 10.702 - / - - / 10.702 - / 14.716 - / 19.824 - / 22.264 - / 22.708 Continuing Continuing													
B Kits													
Recurring													
AC/MC-130J Aircraft Hardware <sup>(11)</sup> - / - 4 / 15.136 7 / 27.013 4 / 15.744 - / - 4 / 15.744 8 / 32.120 9 / 36.854 18 / 75.181 19 / 80.945 Continuing Continuing													
Subtotal: Recurring - / - - / 15.136 - / 27.013 - / 15.744 - / - - / 15.744 - / 32.120 - / 36.854 - / 75.181 - / 80.945 Continuing Continuing													
Non-Recurring													
AC/MC-130J Initial Spares <sup>(12)</sup> - / - - / 9.277 - / 13.576 - / 3.741 - / - - / 3.741 - / - - / 7.729 - / 26.281 - / 28.934 Continuing Continuing													
Subtotal: Non-Recurring - / - - / 9.277 - / 13.576 - / 3.741 - / - - / 3.741 - / - - / 7.729 - / 26.281 - / 28.934 Continuing Continuing													
Subtotal: AC/MC-130J RF Countermeasures - / - - / 28.049 - / 48.357 - / 30.187 - / - - / 30.187 - / 46.836 - / 64.407 - / 123.726 - / 132.587 Continuing Continuing													
Subtotal: Procurement, All Modification Items - / - - / 28.049 - / 48.357 - / 30.187 - / - - / 30.187 - / 46.836 - / 64.407 - / 123.726 - / 132.587 Continuing Continuing													
Support (All Modification Items)													
Diminishing Manufacturing Resources/Technology Refresh - / - - / - - / - - / 1.574 - / - - / 1.574 - / - - / 1.602 - / 6.054 - / 12.296 Continuing Continuing													
Simulator/Training Systems <sup>(13)</sup> - / - - / - - / 2.606 - / 1.721 - / - - / 1.721 - / - - / 1.800 - / 2.300 - / - - / - / 8.427													
PMA Government Costs - / - - / 1.060 - / 1.163 - / 1.526 - / - - / 1.526 - / 1.578 - / 1.643 - / 1.720 - / 1.790 Continuing Continuing													
Other Government Costs - / - - / 3.640 - / 2.615 - / 2.700 - / - - / 2.700 - / 2.835 - / 2.977 - / 3.126 - / 3.446 Continuing Continuing													
System Integration Lab Kit - / - - / 7.495 - / - - / - - / - - / - - / - - / - - / - / 7.495													
Interim Contractor Support (Labor) - / - - / - - / 3.000 - / 3.060 - / - - / 3.060 - / 2.199 - / - - / - - / - / 8.259													
Depot Activation <sup>(14)</sup> - / - - / - - / - - / - - / - - / - - / 11.671 - / - - / - - / - / 11.671													
Organizational Level Support Equipment - / - - / - - / - - / 0.850 - / - - / 0.850 - / 0.850 - / - - / - - / - / 1.700													
Peculiar Support Equipment <sup>(15)</sup> - / - - / - - / - - / 0.012 - / - - / 0.012 - / 0.012 - / 0.012 - / 0.012 - / 0.012 Continuing Continuing													
Subtotal: Support - / - - / 12.195 - / 9.384 - / 11.443 - / - - / 11.443 - / 7.474 - / 19.705 - / 13.212 - / 17.544 Continuing Continuing													
Installation													

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command									Date: March 2019				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 2012C130J / AC/MC-130J					Modification Number / Title: 2 / 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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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)	
	Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	-	40.244	57.741	41.630	-	41.630	54.310	84.112	136.938	150.131	Continuing	Continuing	

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command						<b>Date:</b> March 2019	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1			<b>P-1 Line Item Number / Title:</b> 2012C130J / AC/MC-130J			<b>Modification Number / Title:</b> 2 / AC/MC-130J (RF Countermeasures)	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 1:</b> AC/MC-130J RF Countermeasures							
<b>Manufacturer Information</b>							
Manufacturer Name: BAE Systems, Inc. (A Kits)				Manufacturer Location: Totowa, NJ			
Administrative Leadtime ( <i>in Months</i> ): 2				Production Leadtime ( <i>in Months</i> ): 10			
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract Dates	Aug 2018	Dec 2018	Nov 2019	Nov 2020			
Delivery Dates	Jul 2019	Aug 2019	Jul 2020	Jul 2021			
Manufacturer Name: BAE Systems, Inc. (B Kits)				Manufacturer Location: Totowa, NJ			
Administrative Leadtime ( <i>in Months</i> ): 2				Production Leadtime ( <i>in Months</i> ): 16			
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract Dates	Aug 2018	Dec 2018	Nov 2019	Nov 2020			
Delivery Dates	Sep 2020	Jan 2021	Dec 2021	Dec 2022			
Manufacturer Name: Competitive Award (A Kits and B Kits)				Manufacturer Location: TBD			
Administrative Leadtime ( <i>in Months</i> ):				Production Leadtime ( <i>in Months</i> ):			
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract Dates					Dec 2022		
Delivery Dates							
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Original Equipment Manufacturer (OEM)/Organic					<b>Installation Quantity:</b> 35 <sup>(16)</sup>		
<b>Method of Implementation (Organic):</b> Modification Line							
					<b>Installation Quantity:</b> 59 <sup>(17)</sup>		
<b>Footnotes:</b> <sup>(9)</sup> FY18-FY24 AC/MC-130J A-Kit (12 month lead time) procurement supports AC-130J at a rate of 2/3/5/5/5/5 a year and MC-130J at a rate of 0/1/2/4/6/6 a year <sup>(10)</sup> FY18-FY24 Aircraft Modification labor supports AC-130J at a rate of 0/2/3/5/5/5 a year and MC-130J at a rate of 0/0/1/2/4/6/6 a year <sup>(11)</sup> FY18-FY24 AC/MC-130J B-Kit (18 month lead time) includes processing hardware and transmit antennas to support AC-130J at a rate of 3/5/0/2/3/12/13 a year and MC-130J at a rate of 1/2/4/6/6/6/6 <sup>(12)</sup> AC/MC-130J Initial spares are procured for both the AC/MC-130J to meet the delivery rate of operationally fielded aircraft at 5 AC-130J and 7 MC-130J operating bases. <sup>(13)</sup> Simulator/trainers procurement supports modifications to existing crew training devices for AC/MC-130J using an overarching multiyear IDIQ contract <sup>(14)</sup> Depot activation procurement supports transition to government software sustainment <sup>(15)</sup> Peculiar support equipment procurement provides for the equipment to install and remove transmit antenna Line Replaceable units.							

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command		Date: March 2019
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 2012C130J / AC/MC-130J	Modification Number / Title: 2 / AC/MC-130J (RF Countermeasures)
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
<div>(16) 20 A Kits/15 B Kits</div> <div>(17) 33 A Kits and 26 B Kits</div>		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command							<b>Date:</b> March 2019				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1				<b>P-1 Line Item Number / Title:</b> 2012C130J / AC/MC-130J				<b>Modification Number / Title:</b> 3 / AC-130J (PSP Retrofit)			

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	143.884	36.332	32.629	33.798	-	33.798	35.052	24.684	15.982	0.000	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	143.884	36.332	32.629	33.798	-	33.798	35.052	24.684	15.982	0.000	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	143.884	36.332	32.629	33.798	-	33.798	35.052	24.684	15.982	0.000	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>	-	-	-	-	-	-	-	-	-	-	-	-
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.

Note: Quantity is 38 due to loss of aircraft 1. Total inventory at end of program will be 37 aircraft.

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1					<b>P-1 Line Item Number / Title:</b> 2012C130J / AC/MC-130J					<b>Modification Number / Title:</b> 3 / AC-130J (PSP Retrofit)			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :								<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> AC-130J				<b>Modification Type:</b> System Upgrade				<b>Related RDT&amp;E PEs:</b> 1160403BB					
<b>Financial Plan</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>	
	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)	
<b>RDT&amp;E PE #</b>													
1160403BB	- / 9.748	- / 0.415	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<b>Procurement</b>													
<b>Modification Item 1 of 1:</b> AC-130J PSP Retrofit													
A Kits													
Recurring													
Aircraft Kits	14 / 75.399	5 / 29.652	5 / 29.618	5 / 30.212	- / -	5 / 30.212	5 / 32.132	3 / 19.022	1 / 6.257	- / -	Continuing	Continuing	
Aircraft Modifications Overseas Contingency Operations (OCO)	1 / 5.024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.024	
Other Governmental Costs	- / 25.364	- / 6.680	- / 3.011	- / 3.586	- / -	- / 3.586	- / 2.920	- / 5.662	- / 9.725	- / -	Continuing	Continuing	
Other Governmental Costs OCO	- / 1.476	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.476	
<b>Subtotal: Recurring</b>	<b>- / 107.263</b>	<b>- / 36.332</b>	<b>- / 32.629</b>	<b>- / 33.798</b>	<b>- / -</b>	<b>- / 33.798</b>	<b>- / 35.052</b>	<b>- / 24.684</b>	<b>- / 15.982</b>	<b>- / 0.000</b>	<b>Continuing</b>	<b>Continuing</b>	
Non-Recurring													
Prior Year Funding	- / 36.621	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.621	
<b>Subtotal: Non-Recurring</b>	<b>- / 36.621</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 36.621</b>	
<b>Subtotal: AC-130J PSP Retrofit</b>	<b>- / 143.884</b>	<b>- / 36.332</b>	<b>- / 32.629</b>	<b>- / 33.798</b>	<b>- / -</b>	<b>- / 33.798</b>	<b>- / 35.052</b>	<b>- / 24.684</b>	<b>- / 15.982</b>	<b>- / 0.000</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Subtotal: Procurement, All Modification Items</b>	<b>- / 143.884</b>	<b>- / 36.332</b>	<b>- / 32.629</b>	<b>- / 33.798</b>	<b>- / -</b>	<b>- / 33.798</b>	<b>- / 35.052</b>	<b>- / 24.684</b>	<b>- / 15.982</b>	<b>- / 0.000</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Installation</b>													
<b>Subtotal: Installation</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	<b>143.884</b>	<b>36.332</b>	<b>32.629</b>	<b>33.798</b>	<b>-</b>	<b>33.798</b>	<b>35.052</b>	<b>24.684</b>	<b>15.982</b>	<b>0.000</b>	<b>Continuing</b>	<b>Continuing</b>	



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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command						<b>Date:</b> March 2019	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1			<b>P-1 Line Item Number / Title:</b> 2012C130J / AC/MC-130J			<b>Modification Number / Title:</b> 3 / AC-130J (PSP Retrofit)	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 1:</b> AC-130J PSP Retrofit							
<b>Manufacturer Information</b>							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Lexington, KY			
Administrative Leadtime ( <i>in Months</i> ): 1				Production Leadtime ( <i>in Months</i> ): 10			
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract Dates	Nov 2017	Nov 2018	Nov 2019				
Delivery Dates	Sep 2018	Sep 2019	Sep 2020				
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Modification Line						<b>Installation Quantity:</b> 38	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1	<b>P-1 Line Item Number / Title:</b> 2012C130J / AC/MC-130J	<b>Modification Number / Title:</b> 4 / MC-130J Airborne Mission Networking (AbMN)

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	3.329	4.888	6.807	-	6.807	16.966	22.701	31.236	39.281	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	3.329	4.888	6.807	-	6.807	16.966	22.701	31.236	39.281	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	3.329	4.888	6.807	-	6.807	16.966	22.701	31.236	39.281	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>	-	-	-	-	-	-	2.311	-	-	3.524	Continuing	Continuing
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This program procures the Special Operations Forces (SOF)-unique mission equipment (radios, computers, network hardware, displays, antennas, software, etc.) and aircraft modifications required to integrate the Airborne Mission Networking (AbMN) system on MC-130J aircraft. AbMN provides a suite of integrated situational awareness and communication tools providing the crew with a correlated common operating picture of the air and ground battlespace that does not currently exist in SOF mobility aircraft. AbMN enables the three-airmen MC-130J crew to execute clandestine SOF insertion/extraction, aerial refueling, and airdrop missions previously performed by five crew members on the MC-130H Combat Talon II.

This program will be going to Full Rate Production contract in FY21 which will utilize a competitive award

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1				<b>P-1 Line Item Number / Title:</b> 2012C130J / AC/MC-130J						<b>Modification Number / Title:</b> 4 / MC-130J Airborne Mission Networking (AbMN)			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :								<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> MC-130J				<b>Modification Type:</b> System Upgrade				<b>Related RDT&amp;E PEs:</b> 1160403BB					
<b>Financial Plan</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>	
	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)	
<b>RDT&amp;E PE #</b>													
1160403BB	- / -	- / 8.927	- / 4.324	- / 2.688	- / -	- / 2.688	- / 2.688	- / -	- / -	- / -	- / -	- / 18.627	
<b>Procurement</b>													
<b>Modification Item 1 of 1:</b> MC-130J Airborne Mission Networking (AbMN)													
A Kits													
Recurring													
MC-130J Aircraft Kits	- / -	- / -	1 / 0.729	2 / 1.487	- / -	2 / 1.487	4 / 3.034	6 / 4.642	6 / 4.735	6 / 4.829	Continuing	Continuing	
MC-130J Aircraft Modifications (Labor)	- / -	- / -	- / -	- / 3.132	- / -	- / 3.132	- / 6.993	- / 14.919	- / 22.922	- / 22.624	Continuing	Continuing	
<b>Subtotal: Recurring</b>	- / -	- / -	- / 0.729	- / 4.619	- / -	- / 4.619	- / 10.027	- / 19.561	- / 27.657	- / 27.453	Continuing	Continuing	
B Kits													
Recurring													
MC-130J Hardware <sup>(18)</sup>	- / -	- / -	1 / 0.900	2 / 1.428	- / -	2 / 1.428	4 / 2.913	3 / 2.229	3 / 2.273	6 / 4.637	Continuing	Continuing	
<b>Subtotal: Recurring</b>	- / -	- / -	- / 0.900	- / 1.428	- / -	- / 1.428	- / 2.913	- / 2.229	- / 2.273	- / 4.637	Continuing	Continuing	
Non-Recurring													
MC-130J Initial Spares <sup>(19)</sup>	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.311	- / -	- / -	- / 3.524	Continuing	Continuing	
<b>Subtotal: Non-Recurring</b>	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.311	- / -	- / -	- / 3.524	Continuing	Continuing	
<b>Subtotal: MC-130J Airborne Mission Networking (AbMN)</b>	- / -	- / -	- / 1.629	- / 6.047	- / -	- / 6.047	- / 15.251	- / 21.790	- / 29.930	- / 35.614	Continuing	Continuing	
<b>Subtotal: Procurement, All Modification Items</b>	- / -	- / -	- / 1.629	- / 6.047	- / -	- / 6.047	- / 15.251	- / 21.790	- / 29.930	- / 35.614	Continuing	Continuing	
<b>Support (All Modification Items)</b>													
Diminishing Manufacturing Resources/Technology Refresh	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.719	Continuing	Continuing	
Simulator/Training Systems <sup>(20)</sup>	- / -	- / -	- / 2.500	- / -	- / -	- / -	- / 0.815	- / -	- / 0.377	- / -	- / -	- / 3.692	
Other Government Costs	- / -	- / 0.729	- / 0.759	- / 0.760	- / -	- / 0.760	- / 0.900	- / 0.911	- / 0.929	- / 0.948	Continuing	Continuing	
System Integration Lab Kit	- / -	- / 2.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.600	
<b>Subtotal: Support</b>	- / -	- / 3.329	- / 3.259	- / 0.760	- / -	- / 0.760	- / 1.715	- / 0.911	- / 1.306	- / 3.667	Continuing	Continuing	
<b>Installation</b>													
<b>Subtotal: Installation</b>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<b>Total</b>													

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command									Date: March 2019				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 2012C130J / AC/MC-130J						Modification Number / Title: 4 / MC-130J Airborne Mission Networking (AbMN)				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: MC-130J				Modification Type: System Upgrade					Related RDT&E PEs: 1160403BB				
Financial Plan	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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)	
	Total Cost (Procurement + Support + Installation)	-	3.329	4.888	6.807	-	6.807	16.966	22.701	31.236	39.281	Continuing	Continuing

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command						<b>Date:</b> March 2019	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1			<b>P-1 Line Item Number / Title:</b> 2012C130J / AC/MC-130J			<b>Modification Number / Title:</b> 4 / MC-130J Airborne Mission Networking (AbMN)	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 1:</b> MC-130J Airborne Mission Networking (AbMN)							
<b>Manufacturer Information</b>							
Manufacturer Name: Sierra Nevada Corporation (SNC)				Manufacturer Location: Centennial, CO			
Administrative Leadtime ( <i>in Months</i> ): 0				Production Leadtime ( <i>in Months</i> ): 12			
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract Dates		Feb 2019	Feb 2020	Feb 2021			
Delivery Dates		Feb 2020	Feb 2021	Feb 2022			
Manufacturer Name: Competitive Award (A/B Kits & Installation)				Manufacturer Location: TBD			
Administrative Leadtime ( <i>in Months</i> ):				Production Leadtime ( <i>in Months</i> ):			
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract Dates				Aug 2021			
Delivery Dates							
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Original Equipment Manufacturer (OEM)/Organic					<b>Installation Quantity:</b> 7		
<b>Method of Implementation (Organic):</b> Modification Line					<b>Installation Quantity:</b> 48		
<b>Footnotes:</b> <sup>(18)</sup> MC-130J B-kit service common hardware is funded by the Air Force. The hardware provides Beyond Line of Site, Line of Site and Full motion Video datalink capabilities on the MC-130J. MC-130J B-kit SOF peculiar hardware provides communications and data processing, threat correlation, and tactical displays to the operator. <sup>(19)</sup> MC-130J Initial spares are procured for the MC-130J to meet delivery of operationally fielded aircraft at five operating bases. <sup>(20)</sup> Simulator/trainers procurement supports modifications to existing crew training devices for MC-130J using an overarching multiyear IDIQ contract							

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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command						<b>Date:</b> March 2019	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1			<b>P-1 Line Item Number / Title:</b> 2012C130J / AC/MC-130J				<b>Modification Number / Title:</b> 5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	0.925	8.964	-	8.964	29.389	36.958	51.619	59.017	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	0.925	8.964	-	8.964	29.389	36.958	51.619	59.017	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	0.925	8.964	-	8.964	29.389	36.958	51.619	59.017	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	3.502	-	7.287	11.149	Continuing	Continuing
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This program procures the C-130 SOF common TF/TA (Silent Knight) Radar or APQ-187 and aircraft modifications required to integrate the subsystem on MC-130J aircraft. The TF/TA (Silent Knight) Radar subsystem provides SOF common low probability of intercept/low probability of detection to defeat advanced passive detection threats while maintaining the ability to fly safely.

This program will be going to Full Rate Production contract in FY22 which will utilize a competitive award

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command									Date: March 2019				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 2012C130J / AC/MC-130J					Modification Number / Title: 5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar				
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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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													
Procurement													
Modification Item 1 of 1: C-130 SOF Common TF/TA (Silent Knight) Radar													
A Kits													
Recurring													
MC-130J Aircraft Kits													
MC-130J Aircraft Modifications (Labor)													
Subtotal: Recurring													
B Kits													
Recurring													
MC-130J TF/TA (Silent Knight) Radar/APQ-187													
Subtotal: Recurring													
Non-Recurring													
MC-130J Initial Spares <sup>(21)</sup>													
Subtotal: Non-Recurring													
Subtotal: C-130 SOF Common TF/TA (Silent Knight) Radar													
Subtotal: Procurement, All Modification Items													
Support (All Modification Items)													
Diminishing Manufacturing Resources/Technology Refresh													
Simulators/Training Systems <sup>(22)</sup>													
Other Government Costs													
Interim Contractor Support (Labor)													
Peculiar Support Equipment <sup>(23)</sup>													
Subtotal: Support													
Installation													
Subtotal: Installation													

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Exhibit P-3a, Individual Modification: PB 2020 United States Special Operations Command									Date: March 2019			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 2012C130J / AC/MC-130J					Modification Number / Title: 5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar			
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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	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)
Total												
Total Cost (Procurement + Support + Installation)	-	-	0.925	8.964	-	8.964	29.389	36.958	51.619	59.017	Continuing	Continuing



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<b>Exhibit P-3a, Individual Modification:</b> PB 2020 United States Special Operations Command						<b>Date:</b> March 2019	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 1			<b>P-1 Line Item Number / Title:</b> 2012C130J / AC/MC-130J			<b>Modification Number / Title:</b> 5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 1:</b> C-130 SOF Common TF/TA (Silent Knight) Radar							
<b>Manufacturer Information</b>							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Marietta, GA			
Administrative Leadtime ( <i>in Months</i> ): 0				Production Leadtime ( <i>in Months</i> ): 14			
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract Dates			Jan 2020	Jan 2021			
Delivery Dates			Mar 2021	Mar 2022			
Manufacturer Name: Competitive Award				Manufacturer Location: TBD			
Administrative Leadtime ( <i>in Months</i> ):				Production Leadtime ( <i>in Months</i> ):			
<b>Dates</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract Dates					May 2022		
Delivery Dates							
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Original Equipment Manufacturer (OEM)/Organic						<b>Installation Quantity:</b> 9	
<b>Method of Implementation (Organic):</b> Modificaiton Line						<b>Installation Quantity:</b> 45	
<b>Footnotes:</b> <sup>(21)</sup> MC-130J Initial spares are procured for the MC-130J to meet delivery of operationally fielded aircraft at five operating bases. <sup>(22)</sup> Simulator/trainers procurement supports modifications to existing crew training devices for MC-130J using an overarching multiyear IDIQ contract <sup>(23)</sup> Peculiar Support equipment procurements provides for the installation, removal, and repair of the Silent Knight Radar and associated Line Replaceable Units							

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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 Fuselage Trainer			9.989	1	9.989	10.156	1	10.156	-	-	-	-	-	-	-	-	-	-	-	-
1.2 / Gun Training Room			-	-	-	7.400	1	7.400	-	-	-	7.748	1	7.748	-	-	-	7.748	1	7.748
1.3 / Weapons Load Trainer			-	-	-	7.543	1	7.543	-	-	-	-	-	-	-	-	-	-	-	-
1.4 / Aft Cabin Trainer			-	-	-	7.325	1	7.325	-	-	-	8.058	2	16.116	-	-	-	8.058	2	16.116
1.5 / Long Lead Material			2.443	1	2.443	2.887	1	2.887	2.946	1	2.946	3.105	1	3.105	-	-	-	3.105	1	3.105
Subtotal: 1 - Mission Training Preparation Systems (MTPS)			-	-	12.432	-	-	35.311	-	-	2.946	-	-	26.969	-	-	-	-	-	26.969
2 - MC-130J Block 16 Upgrades																				
2.1 / Recurring Hardware			-	-	1.201	-	-	9.098	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2 - MC-130J Block 16 Upgrades			-	-	1.201	-	-	9.098	-	-	-	-	-	-	-	-	-	-	-	-
3 - MC-130J Auxillary Flight Deck Station																				
3.1 / MC-130J Aircraft Kits			-	-	0.730	-	-	-	0.327	1	0.327	0.334	2	0.668	-	-	-	0.334	2	0.668
3.2 / MC-130J Aircraft Modifications (Labor)			-	-	-	-	-	-	-	-	1.088	-	-	0.555	-	-	-	-	-	0.555
Subtotal: 3 - MC-130J Auxillary Flight Deck Station			-	-	0.730	-	-	-	-	-	1.415	-	-	1.223	-	-	-	-	-	1.223
4 - AC/MC-130J Defensive System Upgrades																				
4.1 / AC/MC-130J Defensive System Upgrades			-	-	-	-	-	4.169	-	-	8.141	-	-	4.717	-	-	-	-	-	4.717
Subtotal: 4 - AC/MC-130J Defensive System Upgrades			-	-	-	-	-	4.169	-	-	8.141	-	-	4.717	-	-	-	-	-	4.717
5 - MC-130J Variable Speed Drogue																				
5.1 / Drogue Hardware			-	-	-	-	-	-	-	-	-	-	-	2.150	-	-	-	-	-	2.150
Subtotal: 5 - MC-130J Variable Speed Drogue			-	-	-	-	-	-	-	-	-	-	-	2.150	-	-	-	-	-	2.150
Prior Year																				
Completed Efforts			-	-	61.166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Prior Year			-	-	61.166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	75.529	-	-	48.578	-	-	12.502	-	-	35.059	-	-	-	-	-	35.059

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

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							<b>P-1 Line Item Number / Title:</b> 5000C13000 / C-130 MODIFICATIONS					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):				<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> 1160427BB, 1160403BB, 1160404BB				
<b>Line Item MDAP/MAIS Code:</b> 0000												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	2,477.131	31.695	80.274	15.582	-	15.582	15.627	14.076	14.353	16.817	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	2,477.131	31.695	80.274	15.582	-	15.582	15.627	14.076	14.353	16.817	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>2,477.131</b>	<b>31.695</b>	<b>80.274</b>	<b>15.582</b>	-	<b>15.582</b>	<b>15.627</b>	<b>14.076</b>	<b>14.353</b>	<b>16.817</b>	<b>Continuing</b>	<b>Continuing</b>
<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>	8.338	-	-	-	-	-	-	-	-	-	-	8.338
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
 <b>Description:</b> The C-130 Modifications line item funds Special Operations Forces (SOF)-unique modifications and rapid fielding 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.												

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command							<b>Date:</b> March 2019			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs					<b>P-1 Line Item Number / Title:</b> 5000C13000 / C-130 MODIFICATIONS					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):			<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> 1160427BB, 1160403BB, 1160404BB				
<b>Line Item MDAP/MAIS Code:</b> 0000										
Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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				- / 2,477.131	- / 31.695	- / 80.274	- / 15.582	- / -	- / 15.582
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 2,477.131</b>	<b>- / 31.695</b>	<b>- / 80.274</b>	<b>- / 15.582</b>	<b>- / -</b>	<b>- / 15.582</b>
<p>*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.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</p>										
<p><b>Justification:</b> C-130 Modifications:</p> <p>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 MC-130H Global Positioning System (GPS) improvements, MC-130H lightweight armor, MC-130H Data Link 16 system integration, EC-130J Tie Down, EC-130J Co-site De-confliction, EC-130J VHF1 Antenna Move, MC-130J Lightweight Para Troop Door, MC-130J Cottonmouth PERM, MC-130J Loadmaster Signal Lights, and AC-130J 30mm Ammunition Handling System.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Continues minor low cost modifications to SOF C-130 equipment.</p> <p>1.2 C-130 Avionics Modifications. This program replaces various SOF C-130 unique avionics systems across the SOF C-130 fleet. Projects include but are not limited to GPS improvements. MFP-4 funds address service-common avionics systems.</p> <p>1.3 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.</p> <p>FY 2020 PROGRAM JUSTIFICATION: The SBUD program continues to procure modifications to C-130 aircrew training devices to sustain or improve training capabilities.</p> <p>1.4 EC-130J Upgrade Modifications. This program funds modifications to the EC-130J aircraft, included but not limited to 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, and the Defensive Systems Upgrade modification.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Funds the EC-130J Defensive Systems Upgrade modification.</p> <p>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 previously funded the Removable Airborne MISO System (RAMS) and then transitioned to the Multi-Mission Platform – Heavy (MMP-H) system.</p>										

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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																				
1.1a / Low Cost Modifications (LCM)			-	-	76.160	-	-	4.438	-	-	4.464	-	-	2.458	-	-	-	-	-	2.458
1.1b / LCM - Congressional Add			-	-	-	-	-	5.200	-	-	-	-	-	-	-	-	-	-	-	-
1.2a / Avionics Modifications			-	-	20.973	-	-	-	-	-	62.966	-	-	-	-	-	-	-	-	-
1.2b / Avionics Modifications Overseas Contingency Operations (OCO)			-	-	-	-	-	3.750	-	-	-	-	-	-	-	-	-	-	-	-
1.3 / Simulator Block Updates (SBUD)			-	-	46.178	-	-	11.251	-	-	11.801	-	-	11.955	-	-	-	-	-	11.955
1.4 / EC-130J Upgrades			-	-	5.849	-	-	-	-	-	-	-	-	1.169	-	-	-	-	-	1.169
Subtotal: 1 - C-130 Modification			-	-	149.160	-	-	24.639	-	-	79.231	-	-	15.582	-	-	-	-	-	15.582
2 - EC-130J Commando SOLO																				
2.1 / RAMS Hardware			-	-	6.600	-	-	7.056	-	-	-	-	-	-	-	-	-	-	-	-
2.2 / Multi-Mission Platform – Heavy (MMP-H)			-	-	-	-	-	-	-	-	1.043	-	-	-	-	-	-	-	-	-
Prior Year			-	-	40.145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2 - EC-130J Commando SOLO			-	-	46.745	-	-	7.056	-	-	1.043	-	-	-	-	-	-	-	-	-
3 - Prior Year																				
3.1 / Prior Year Funding			-	-	2,272.888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2 / Initial Spares			-	-	8.338	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3 - Prior Year			-	-	2,281.226	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	2,477.131	-	-	31.695	-	-	80.274	-	-	15.582	-	-	-	-	-	15.582

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

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 2: Shipbuilding	<b>P-1 Line Item Number / Title:</b> 2010US / UNDERWATER SYSTEMS
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1160483BB
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	125.193	78.831	132.023	58.991	-	58.991	25.897	19.245	15.496	15.844	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	125.193	78.831	132.023	58.991	-	58.991	25.897	19.245	15.496	15.844	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	125.193	78.831	132.023	58.991	-	58.991	25.897	19.245	15.496	15.844	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> )	5.719	4.549	4.273	5.321	-	5.321	-	-	-	-	-	19.862
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). Middle-Tier Acquisition (2016 NDAA, Section 804) to accommodate rapid fielding, may be utilized. 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 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 supports the unique requirements impacting fully equipped operators while conducting underwater, real-world missions. Examples of underwater systems and maritime equipment include, underwater navigation, diving equipment, and underwater propulsion systems. These systems and equipment are used for 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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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command								<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 2: Shipbuilding						<b>P-1 Line Item Number / Title:</b> 2010US / UNDERWATER SYSTEMS				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):			<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> 1160483BB				
<b>Line Item MDAP/MAIS Code:</b> N/A										
Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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				- / 29.203	- / 4.319	- / 24.482	- / 18.117	- / -	- / 18.117
P-40a	Category - Underwater Systems / 2 - Shallow Water Combat Submersible (SWCS)				- / 86.415	- / 21.984	- / 46.947	- / 36.585	- / -	- / 36.585
P-40a	Category - Underwater Systems / 3 - Dry Combat Submersible (DCS)				- / -	- / 51.924	- / 59.021	- / 3.009	- / -	- / 3.009
P-40a	Category - Underwater Systems / 4 - SOF Combat Diving				- / 1.357	- / 0.604	- / 1.573	- / 1.280	- / -	- / 1.280
P-40a	Category - Underwater Systems / Prior Years				- / 8.218	- / -	- / -	- / -	- / -	- / -
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 125.193</b>	<b>- / 78.831</b>	<b>- / 132.023</b>	<b>- / 58.991</b>	<b>- / -</b>	<b>- / 58.991</b>
<p>*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.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</p>										
<p><b>Justification:</b></p> <p>1. DDS: The DDS is a certified diving system that attaches to modified host submarines and provides for insertion of SOF forces and platforms. SOCOM has a cost share agreement with the Navy to support the modernization of the DDS in order to accommodate current and future Naval Special Warfare payloads as well as large U.S. Navy payloads.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Funding continues the support of the DDS modernization effort, which includes relocation of equipment inside the DDS Hangar to support current and future payloads. Funding also includes field changes for product improvements developed to overcome obsolescence and Diminishing Manufacturing Sources and Material Shortages (DMSMS).</p> <p>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 DDS, surface ships, and land.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Purchases two SWCS vehicles and support equipment, Government Furnished Equipment (GFE), engineering change proposals (ECP), detachment deployment packages, and initial spares.</p> <p>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.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Purchases initial spares, GFE, ECP, system integration lab, and simulator.</p> <p>4. SOF Combat Diving: This is designated a Middle-tier Acquisition program allowing for rapid fielding which provides the transition of SOF peculiar diving technologies for the SOF combat diver while conducting underwater, real-world missions.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures total of 10 divers' maritime environmental protection and diver navigation.</p>										



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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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 / *Modifications/ Field Changes			-	-	29.203	-	-	4.319	-	-	24.482	-	-	18.117	-	-	-	-	-	18.117
Subtotal: 1 - Dry Deck Shelter			-	-	29.203	-	-	4.319	-	-	24.482	-	-	18.117	-	-	-	-	-	18.117
2 - Shallow Water Combat Submersible (SWCS)																				
2.1 / Craft Systems			-	-	-	16.000	1	16.000	14.000	3	42.000	15.000	2	30.000	-	-	-	15.000	2	30.000
2.2 / Gov't Furnished Equipment (GFE)/ Engineering Change Proposals (ECP) & Detachment Deployment Packages			-	-	20.296	-	-	3.860	-	-	3.351	-	-	4.024	-	-	-	-	-	4.024
2.3 / Low Rate Initial Production (LRIP)			15.100	4	60.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.4 / Initial Spares			-	-	5.719	-	-	2.124	-	-	1.596	-	-	2.561	-	-	-	-	-	2.561
Subtotal: 2 - Shallow Water Combat Submersible (SWCS)			-	-	86.415	-	-	21.984	-	-	46.947	-	-	36.585	-	-	-	-	-	36.585
3 - Dry Combat Submersible (DCS)																				
3.1 / Craft System & Minor Modifications			-	-	-	44.395	1	44.395	40.629	1	40.629	-	-	-	-	-	-	-	-	-
3.2 / Initial Spares			-	-	-	-	-	2.425	-	-	2.677	-	-	2.760	-	-	-	-	-	2.760
3.3 / **GFE/ECP/ System Integration Lab/Simulator			-	-	-	-	-	5.104	-	-	15.715	-	-	0.249	-	-	-	-	-	0.249
Subtotal: 3 - Dry Combat Submersible (DCS)			-	-	-	-	-	51.924	-	-	59.021	-	-	3.009	-	-	-	-	-	3.009
4 - SOF Combat Diving																				
4.1 / ***SOF Combat Diving			0.085	16	1.357	0.050	12	0.604	0.121	13	1.573	0.128	10	1.280	-	-	-	0.128	10	1.280
Subtotal: 4 - SOF Combat Diving			-	-	1.357	-	-	0.604	-	-	1.573	-	-	1.280	-	-	-	-	-	1.280
Prior Years																				
5 / Prior Years			-	-	8.218	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Prior Years			-	-	8.218	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	125.193	-	-	78.831	-	-	132.023	-	-	58.991	-	-	-	-	-	58.991
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				
Remarks: *DDS modernization is currently a 68/32 cost share between SOCOM MFP-11 and Department of the Navy MFP2. The initial Modernized DDS is projected to be \$48.1M. The Modernization of the remaining shelters is projected to cost \$25M each. The current plan is to modernize three of the DDS over the FYDP. We will be modernizing the second shelter in FY22 thru FY23 and then the third shelter in FY24 thru FY25. **DCS ECPs include install of depressurization pump and mid-water lock-in lock-out and enhancements to system integration lab and desktop simulator. ***SOF Combat Diving unit costs changes due to the variation of technologies procured.																				

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 3: Ammunition Programs	<b>P-1 Line Item Number / Title:</b> 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: 1160481BB, 1160431BB
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	708.604	173.584	425.892	279.992	138.252	418.244	336.879	287.002	296.022	346.659	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	708.604	173.584	425.892	279.992	138.252	418.244	336.879	287.002	296.022	346.659	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	708.604	173.584	425.892	279.992	138.252	418.244	336.879	287.002	296.022	346.659	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 rapid fielding, annual training, support required combat missions, and build toward the required war reserve quantities.

Maximum economy of scale cost savings opportunities have already been factored. This P-1 line item includes \$100.850 million of FY2020 enduring Overseas Contingency Operations (OCO) funding and \$37.402 million of FY2020 direct OCO funding.

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Exhibit P-40, Budget Line Item Justification: PB 2020 United States Special Operations Command								Date: March 2019		
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: 1160481BB, 1160431BB		
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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				- / 708.604	- / 173.584	- / 425.892	- / 279.992	- / 138.252	- / 418.244
P-40	Total Gross/Weapon System Cost				- / 708.604	- / 173.584	- / 425.892	- / 279.992	- / 138.252	- / 418.244
*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 2020 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. Due to differences in complexity and/or materials of these configurations, the Unit Costs can vary considerably by item. In addition, for some 30mm capabilities, the cost to SOCOM is a modification/re-pack of a Service Common Munition, which is a much lower cost (~\$15-\$30) than a complete Munition (~\$130-\$175). Replenishes munitions expended in real-world events and training. Actual quantities vary 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 2020 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.  FY 2020 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, rockets, and guided missiles 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 2020 PROGRAM JUSTIFICATION: Replenishes shoulder-fired munitions and 60 guided missiles expended in real-world events and training. Actual quantities vary depending on training requirements.										

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 3: Ammunition Programs		<b>P-1 Line Item Number / Title:</b> 0203ORD / ORDNANCE ITEMS <\$5M
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1160481BB, 1160431BB
<b>Line Item MDAP/MAIS Code:</b> 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 lethal strike and armed over-watch capability on the battlefield. Includes procurement of SOF-peculiar munitions for designated SOF platforms and modification of Service-provided munitions to meet specific SOF mission sets including first-pass lethality, low collateral damage requirements, time-sensitive High Value Targets, and dynamic moving targets. This program received Overseas Contingency Operations (OCO) funding in FY 2018 and FY 2019. This program is a DOD high interest item.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures approximately 1,980 SOPGMs and integration &amp; shipping. Budget enables maximum production of 2 SOF-peculiar and 2 Service-provided modified munitions. Production numbers enhance operational planning flexibility and address current employment limitations by replenishing current combat expenditures and establishing war reserve materiel inventories.</p> <p>FY2020 OVERSEAS CONTINGUENCY OPERATIONS PROGRAM JUSTIFICATION: Procures approximately 1,720 SOPGMs and integration &amp; shipping.</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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			611.52	50,753	31.036	636.16	35,507	22.588	760.00	31,318	23.802	777.50	32,000	24.880	-	-	-	777.50	32,000	24.880
1b / 30MM			54.70	902,977	49.394	17.15	233,236	4.000	149.96	175,896	26.377	153.85	39,000	6.000	-	-	-	153.85	39,000	6.000
1c / Prior Years Funding			168.54	383,098	64.568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1d / Prior Years Funding - Overseas Contingency Operations (OCO)			513.25	20,982	10.769	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1. Air Delivered Munitions			-	-	155.767	-	-	26.588	-	-	50.179	-	-	30.880	-	-	-	-	-	30.880
2. Small Caliber Bullets																				
2a / 40MM			38.00	129,947	4.938	40.11	3,764	0.151	42.19	8,177	0.345	44.27	8,177	0.362	-	-	-	44.27	8,177	0.362
2b / Handgun Ammunition			0.42	110,083	0.046	0.46	180,000	0.083	0.50	400,000	0.200	0.53	400,000	0.212	-	-	-	0.53	400,000	0.212
2c / Rifle Ammunition			1.35	36,272,592	48.968	1.42	3,016,000	4.283	1.49	6,920,000	10.311	1.56	6,920,000	10.806	-	-	-	1.56	6,920,000	10.806
2d / Machine-Gun Ammunition			2.05	29,710,733	60.907	2.16	3,284,723	7.095	2.27	7,346,724	16.677	2.38	7,346,724	17.477	-	-	-	2.38	7,346,724	17.477
2e / Foreign Ammunition			1.03	13,496,116	13.901	1.08	1,519,444	1.641	1.13	3,489,473	3.943	1.18	3,489,473	4.135	-	-	-	1.18	3,489,473	4.135
2f / Prior Years Funding - OCO			1.87	361,138	0.675	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2. Small Caliber Bullets			-	-	129.435	-	-	13.253	-	-	31.476	-	-	32.992	-	-	-	-	-	32.992
3. Demolition, Breaching, and Pyrotechnics																				
3a / Grenade Offensive/ Smoke (All Types)			197.96	95,376	18.881	109.40	30,000	3.282	109.00	27,630	3.012	111.20	30,424	3.383	-	-	-	111.20	30,424	3.383
3b / Training Devices			216.08	9,987	2.158	202.11	9,000	1.819	202.00	8,700	1.757	206.03	10,344	2.131	-	-	-	206.03	10,344	2.131
3c / Explosives, Firing Devices, and Accessories			201.76	181,051	36.529	208.00	9,933	2.066	214.10	55,801	11.947	220.52	64,862	14.303	-	-	-	220.52	64,862	14.303
3d / Flares - Two Burst - OCO			209.30	43,000	9.000	212.12	66,000	14.000	-	-	-	-	-	-	-	-	-	-	-	-
3e / Flares			-	-	-	-	-	-	666.59	19,400	12.932	676.05	18,500	12.507	-	-	-	676.05	18,500	12.507
Subtotal: 3. Demolition, Breaching, and Pyrotechnics			-	-	66.568	-	-	21.167	-	-	29.648	-	-	32.324	-	-	-	-	-	32.324
4. Shoulder-Fired Munitions and Rockets																				
4a / Shoulder-Fired Munitions			1,712.62	16,028	27.450	1,725.02	11,044	19.051	1,737.05	5,081	8.826	1,749.82	6,679	11.687	-	-	-	1,749.82	6,679	11.687
4b / Rockets			1,456.16	10,218	14.879	-	-	-	1,759.00	1,527	2.686	-	-	-	-	-	-	-	-	-
4c / Guided Missiles			-	-	-	-	-	-	215,116.27	86	18.500	214,016.66	60	12.841	-	-	-	214,016.66	60	12.841
4d / Prior Years Funding			-	-	6.049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command																Date: March 2019				
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)
Subtotal: 4. Shoulder-Fired Munitions and Rockets			-	-	48.378	-	-	19.051	-	-	30.012	-	-	24.528	-	-	-	-	-	24.528
5. Stand-Off Precision Guided Munitions (SOPGM)																				
5a / SOPGM			97,133.44	1,881	182.708	114,259.93	277	31.650	-	-	-	-	-	-	-	-	-	-	-	-
5b / SOPGM - Overseas Contingency Operations (OCO)			88,554.93	1,420	125.748	129,445.61	478	61.875	-	-	-	-	-	-	-	-	-	-	-	-
5c / Griffin Missiles - OCO			-	-	-	-	-	-	80,700.00	640	51.648	-	-	-	84,000.00	739	62.076	84,000.00	739	62.076
5d / Small Glide Munition - OCO			-	-	-	-	-	-	81,300.00	250	20.325	-	-	-	85,000.00	516	43.860	85,000.00	516	43.860
5e / Laser Small Diameter Bombs Modification - OCO			-	-	-	-	-	-	41,700.00	200	8.340	-	-	-	44,000.00	232	10.208	44,000.00	232	10.208
5f / SOF Hellfire Modification - OCO			-	-	-	-	-	-	53,000.00	50	2.650	-	-	-	53,000.00	70	3.710	53,000.00	70	3.710
5g / SOF Miniature Munitions - OCO			-	-	-	-	-	-	41,000.00	115	4.715	-	-	-	45,000.00	163	7.335	45,000.00	163	7.335
5h / Integration & Shipping - OCO			-	-	-	-	-	-	-	-	13.172	-	-	-	-	-	11.063	-	-	11.063
5i / Griffin - Base			-	-	-	-	-	-	80,700.00	938	75.697	84,000.00	851	71.484	-	-	-	84,000.00	851	71.484
5j / Small Glide Munition - Base			-	-	-	-	-	-	81,300.00	750	60.975	85,000.00	594	50.490	-	-	-	85,000.00	594	50.490
5k / Laser Small Diameter Bomb Modification - Base			-	-	-	-	-	-	41,700.00	300	12.510	44,000.00	268	11.792	-	-	-	44,000.00	268	11.792
5l / SOF Hellfire Modification - Base			-	-	-	-	-	-	53,000.00	100	5.300	53,000.00	80	4.240	-	-	-	53,000.00	80	4.240
5m / SOF Miniature Munitions - Base			-	-	-	-	-	-	41,000.00	300	12.300	45,000.00	187	8.415	-	-	-	45,000.00	187	8.415
5n / Integration & Shipping - Base			-	-	-	-	-	-	-	-	16.945	-	-	12.847	-	-	-	-	-	12.847
Subtotal: 5. Stand-Off Precision Guided Munitions (SOPGM)			-	-	308.456	-	-	93.525	-	-	284.577	-	-	159.268	-	-	138.252	-	-	297.520
Total			-	-	708.604	-	-	173.584	-	-	425.892	-	-	279.992	-	-	138.252	-	-	418.244

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

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	<b>P-1 Line Item Number / Title:</b> 020400INTL / INTELLIGENCE SYSTEMS
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> 1160405BB	<b>Other Related Program Elements:</b> 1160405BB
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,636.085	124.408	102.199	100.641	16.500	117.141	118.285	133.465	147.271	150.003	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,636.085	124.408	102.199	100.641	16.500	117.141	118.285	133.465	147.271	150.003	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	1,636.085	124.408	102.199	100.641	16.500	117.141	118.285	133.465	147.271	150.003	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> )	20.506	0.569	0.994	0.976	-	0.976	0.953	0.973	0.993	1.016	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, testing, and rapid fielding 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); Special Operations Command, Research, Analysis and Threat Evaluation System (SOCRATES); Sensitive Site Exploitation (SSE), and Special Operations Forces Planning, Rehearsal, and Execution Preparation (SOFPREP). This P-1 line item includes \$16.500 million of FY2020 enduring Overseas Contingency Operations funding.

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).

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Exhibit P-40, Budget Line Item Justification: PB 2020 United States Special Operations Command				Date: March 2019	
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					

Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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				- / 319.899	- / 48.590	- / 39.915	- / 53.432	- / -	- / 53.432
P-40a	Category - Intelligence Systems / 2 - Tactical Video System/ Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA)				- / 104.547	- / 15.761	- / 22.234	- / 4.963	- / 16.500	- / 21.463
P-40a	Category - Intelligence Systems / 3 - Tactical Area Local Network				- / 32.710	- / 2.923	- / 2.470	- / 2.208	- / -	- / 2.208
P-40a	Category - Intelligence Systems / 4 - Hostile Forces Tagging, Tracking, and Locating				- / 357.924	- / 18.993	- / 18.686	- / 19.243	- / -	- / 19.243
P-40a	Category - Intelligence Systems / 5 - Special Operations Research, Analysis and Threat Evaluation System (SOCRATES)				- / 74.181	- / 8.270	- / 8.189	- / 12.505	- / -	- / 12.505
P-40a	Category - Intelligence Systems / 6 - Sensitive Site Exploitation (SSE)				- / 49.282	- / 2.443	- / 6.872	- / 7.453	- / -	- / 7.453
P-40a	Category - Intelligence Systems / 7 - Special Operations Forces Planning, Rehearsal, and Execution Preparation (SOFPREP)				- / 0.776	- / 0.528	- / 3.833	- / 0.837	- / -	- / 0.837
P-40a	Category - Intelligence Systems / 8 - Signals Intelligence (SIGINT) Equipment				- / -	- / 26.900	- / -	- / -	- / -	- / -
P-40a	Category - Intelligence Systems / 9 - Prior Year				- / 696.766	- / -	- / -	- / -	- / -	- / -
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 1,636.085</b>	<b>- / 124.408</b>	<b>- / 102.199</b>	<b>- / 100.641</b>	<b>- / 16.500</b>	<b>- / 117.141</b>

\*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 System of Systems (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 2020 PROGRAM JUSTIFICATION: Funds the capital equipment replacement program (CERP) of 23 GSK kit variants, 2 Air Variant (AVS), CERP of 9 AVS variants, CERP of 10 PGL ground systems kits, 1 PGL Air kit, CERP of 1 Team Transportable Enhanced Technical Insertion, 2 Unmanned Aerial Collection Systems, 8 Maritime variants, initial training and spares.

2. TVS/RSTA. This program provides SOF with critical Special Reconnaissance (SR) 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 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-

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Exhibit P-40, Budget Line Item Justification: PB 2020 United States Special Operations Command			Date: March 2019
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			
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); Maritime Combat TVS/RSTA Kit; and Austere Location Force Protection Kits (ALFPK). This program received Overseas Contingency Operating (OCO) funding in FY 2018 and 2019.			
FY 2020 PROGRAM JUSTIFICATION: Procures 25 Sensor Kits, 18 RECCE Kits, 1 ROP Kits, 45 TVS Kits, and 2 Maritime TVS/RSTA Kits.			
FY 2020 OVERSEAS CONTINGENCY OPERATION (OCO) PROGRAM JUSTIFICATION: Procures 22 ALFPK (OCO).			
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.			
FY 2020 PROGRAM JUSTIFICATION: Procures CERP of 15 TACLAN modular network suites and ancillary equipment.			
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 SOF to find, fix, and finish target assets through the emplacement of sophisticated tags and devices that feed into an integrated architecture. Through rapid acquisition 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 Commands and Theater Special Operations Commands (TSOCs) based upon dynamic and emergent SOF operational requirements.			
FY 2020 PROGRAM JUSTIFICATION: Procures 16 mission sets.			
ABOVE OPERATIONAL ELEMENT (GARRISON)			
5. 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.			
FY 2020 PROGRAM JUSTIFICATION: Procures ETI to support TSOC transition from the Defense Intelligence Agency Common Operating Environment to SOCRATES, and TSOC and component expansion authorized in SOCRATES Program Parameter change.			
6. SSE. This program uses rapid acquisition to procure Biometric and Forensic technologies that provides state-of-the art capabilities to the Warfighter thus allowing for exploitation of 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.			

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		<b>P-1 Line Item Number / Title:</b> 020400INTL / INTELLIGENCE SYSTEMS
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> 1160405BB	<b>Other Related Program Elements:</b> 1160405BB
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>FY 2020 PROGRAM JUSTIFICATION: Procures 2 Forensic Exploitation Analysis Center equipment, and CERP of 251 forensic exploitation kits, and New Equipment Training.</p> <p>7. 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.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Acquire emerging COTS to accelerate computational processing applied to exploitation of GEOINT data, speeding production of 3D databases used by Components for realistic and unique joint SOF training and mission rehearsal for current operations. Procures High Performance Computing infrastructure for GEOINT Processing, Exploitation and Dissemination.</p> <p>8. GROUND SIGINT NODES. This equipment provides targeted geo-location information on signals of interest in a specific geographic location. This program received OCO funding in FY2018.</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command																Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)			3.974	23	91.395	0.591	23	13.593	0.449	25	11.233	0.593	23	13.636	-	-	-	0.593	23	13.636	
1.2 / Air Variant System (AVS)			-	-	-	0.390	2	0.780	-	-	-	0.489	2	0.977	-	-	-	0.489	2	0.977	
1.3 / AVS - CERP			1.212	30	36.367	0.143	30	4.285	0.192	17	3.270	0.492	9	4.426	-	-	-	0.492	9	4.426	
1.4 / Precision Geo Location (PGL) Ground Kits			11.887	4	47.549	2.500	1	2.500	2.202	1	2.202	-	-	-	-	-	-	-	-	-	
1.5 / PGL Ground - CERP			12.202	5	61.009	2.050	7	14.350	1.889	7	13.224	1.741	10	17.414	-	-	-	1.741	10	17.414	
1.6 / PGL Air			4.625	1	4.625	1.392	1	1.392	1.300	1	1.300	1.320	1	1.320	-	-	-	1.320	1	1.320	
1.7 / Team Transportable Varant (TTV) - CERP Evolutionary Technical Insertions (ETI)			-	-	0.030	2.474	1	2.474	0.982	1	0.982	1.329	1	1.329	-	-	-	1.329	1	1.329	
1.8 / Unmanned Aerial Collection Systems			0.754	2	1.508	0.124	2	0.248	0.126	2	0.252	0.128	2	0.256	-	-	-	0.128	2	0.256	
1.9 / Maritime Variant			1.550	5	7.751	1.662	5	8.309	1.552	4	6.208	1.606	8	12.844	-	-	-	1.606	8	12.844	
1.10 / GSK - Initial Training			-	-	1.128	-	-	-	-	-	0.119	-	-	0.120	-	-	-	-	-	0.120	
1.11 / AVS - Initial Training			-	-	0.370	-	-	0.050	-	-	0.051	-	-	0.052	-	-	-	-	-	0.052	
1.12 / AVS Spares			-	-	4.029	-	-	0.536	-	-	0.545	-	-	0.553	-	-	-	-	-	0.553	
1.13 / TTV - Initial Training			-	-	0.448	-	-	0.040	-	-	0.041	-	-	0.042	-	-	-	-	-	0.042	
1.14 / TTV Spares			-	-	11.159	-	-	0.033	-	-	0.090	-	-	0.059	-	-	-	-	-	0.059	
1.15 / PGL Ground Initial Training			-	-	1.437	-	-	-	-	-	0.039	-	-	0.040	-	-	-	-	-	0.040	
1.16 / PGL Spares			-	-	5.318	-	-	-	-	-	0.359	-	-	0.364	-	-	-	-	-	0.364	
1.17 / Prior Year Funding			-	-	24.888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.18 / Prior Year Funding Overseas Contingency Operations (OCO)			-	-	20.888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1 - Joint Threat Warning Systems			-	-	319.899	-	-	48.590	-	-	39.915	-	-	53.432	-	-	-	-	-	53.432	
2 - Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA)																					
2.1 / RSTA Sensor Kit			0.015	291	4.365	0.050	30	1.500	0.050	20	1.000	0.064	25	1.600	-	-	-	0.064	25	1.600	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)
2.2 / RSTA Tactical Reconnaissance (RECCE) Kit			0.021	247	5.187	0.076	10	0.760	0.070	45	3.150	0.085	18	1.530	-	-	-	0.085	18	1.530
2.3 / RSTA Remote Observation Post (ROP) Kit			0.030	259	7.770	0.175	1	0.175	0.128	5	0.640	0.147	1	0.147	-	-	-	0.147	1	0.147
2.4 / TVS Kit			0.010	1,259	12.590	0.034	39	1.326	0.030	23	0.694	0.032	45	1.436	-	-	-	0.032	45	1.436
2.5 / Austere Location Force Protection Kits Overseas Contingency Operations (OCO)			0.852	87	74.120	0.750	16	12.000	0.750	22	16.500	-	-	-	0.750	22	16.500	0.750	22	16.500
2.6 / Maritime Combat TVS/RSTA Kit			-	-	-	-	-	-	0.125	2	0.250	0.125	2	0.250	-	-	-	0.125	2	0.250
2.7 / Prior Year Funding			0.064	8	0.515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2 - Tactical Video System/ Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA)			-	-	104.547	-	-	15.761	-	-	22.234	-	-	4.963	-	-	16.500	-	-	21.463
3 - Tactical Area Local Network																				
3.1 / Prime Mlssion Equipment (PME) Suites - Block II CERP			-	-	21.647	0.101	19	1.920	0.110	16	1.762	0.104	15	1.568	-	-	-	0.104	15	1.568
3.2 / Ancillary Equipment			-	-	2.136	-	-	1.003	-	-	0.708	-	-	0.640	-	-	-	-	-	0.640
3.3 / Prior Year Funding			-	-	8.927	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3 - Tactical Area Local Network			-	-	32.710	-	-	2.923	-	-	2.470	-	-	2.208	-	-	-	-	-	2.208
4 - Hostile Forces Tagging, Tracking, and Locating																				
4.1 / Mission Sets			1.342	182	244.305	1.187	16	18.993	1.168	16	18.686	1.203	16	19.243	-	-	-	1.203	16	19.243
4.2 / Prior Year Funding OCO			-	-	113.619	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4 - Hostile Forces Tagging, Tracking, and Locating			-	-	357.924	-	-	18.993	-	-	18.686	-	-	19.243	-	-	-	-	-	19.243
5 - Special Operations Research, Analysis and Threat Evaluation System (SOCRATES)																				
5.1 / ETI			-	-	59.706	-	-	8.270	-	-	7.188	-	-	12.505	-	-	-	-	-	12.505
5.2 / SOCRATES Mission Support Center Relocation			-	-	-	-	-	-	-	-	0.583	-	-	-	-	-	-	-	-	-
5.3 / Global Messaging/Counter Messaging (GMCM)			-	-	-	-	-	-	-	-	0.418	-	-	-	-	-	-	-	-	-
5.4 / Prior Funding			-	-	14.475	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command																Date: March 2019				
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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 - Special Operations Research, Analysis and Threat Evaluation System (SOCRATES)			-	-	74.181	-	-	8.270	-	-	8.189	-	-	12.505	-	-	-	-	-	12.505
6 - Sensitive Site Exploitation (SSE)																				
6.1 / Forensic Exploitation Analysis Center Equipment			0.300	2	0.600	0.312	2	0.624	0.328	2	0.656	0.338	2	0.676	-	-	-	0.338	2	0.676
6.2 / Forensic Exploitation Kits CERP			0.036	220	7.919	0.016	114	1.819	0.024	259	6.216	0.027	251	6.777	-	-	-	0.027	251	6.777
6.3 / Prior Year Funding			-	-	40.061	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.4 / Prior Year Funding OCO			-	-	0.690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6 - Sensitive Site Exploitation (SSE)			-	-	49.282	-	-	2.443	-	-	6.872	-	-	7.453	-	-	-	-	-	7.453
7 - Special Operations Forces Planning, Rehearsal, and Execution Preparation (SOFPREP)																				
7.1 / Evolutionary Technology Insertions			-	-	0.776	-	-	0.528	-	-	3.833	-	-	0.837	-	-	-	-	-	0.837
Subtotal: 7 - Special Operations Forces Planning, Rehearsal, and Execution Preparation (SOFPREP)			-	-	0.776	-	-	0.528	-	-	3.833	-	-	0.837	-	-	-	-	-	0.837
8 - Signals Intelligence (SIGINT) Equipment																				
8.1 / Ground SIGINT Equipment - OCO			-	-	-	1.076	25	26.900	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 8 - Signals Intelligence (SIGINT) Equipment			-	-	-	-	-	26.900	-	-	-	-	-	-	-	-	-	-	-	-
9 - Prior Year																				
9.1 / Prior Year Funding			-	-	543.353	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.2 / Prior Year Funding - OCO			-	-	153.413	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 9 - Prior Year			-	-	696.766	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	1,636.085	-	-	124.408	-	-	102.199	-	-	100.641	-	-	16.500	-	-	117.141

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

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	<b>P-1 Line Item Number / Title:</b> 020401INTL / DISTRIBUTED COMMON GROUND/SURFACE SYSTEM
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0305208BB
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**Line Item MDAP/MAIS Code:** 0000

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	105.026	15.685	17.863	12.522	-	12.522	11.645	13.677	14.690	15.117	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	105.026	15.685	17.863	12.522	-	12.522	11.645	13.677	14.690	15.117	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	105.026	15.685	17.863	12.522	-	12.522	11.645	13.677	14.690	15.117	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 rapid fielding of Intelligence, Surveillance, and Reconnaissance Processing, Exploitation, Dissemination (PED), and analytical capabilities at the Combatant Command (COCOM), Component/Theater Special Operations Command (TSOC) level and below through a combination of reach back, forward support, and collaboration. The mission tailored infrastructure interconnects the warfighter, analysts, 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 and analysts with the essential intelligence information and providessituational awareness information to SOF leadership at all echelons. The three components of DCGS-SOF include the following: The Enterprise All Source Information Fusion (ENT/ASIF) provides infrastructure, processing and intelligence analytical tools capabilities to allow for worldwide SOF intelligence information sharing via a globally connected cloud based architecture as well as a forward disconnected capability. SOF Geospatial Intelligence Processing Exploitation, and Dissemination (SGIP) provides capabilities in garrison and deployed environments of manned and unmanned sensors. SOF Signals Intelligence (SIGINT) PED provides SIGINT exploitation capability in both garrison and deployed environments. This program received Overseas Contingency funding in FY 2018.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	<b>P-1 Line Item Number / Title:</b> 020401INTL / DISTRIBUTED COMMON GROUND/SURFACE SYSTEM
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0305208BB
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**Line Item MDAP/MAIS Code:** 0000

Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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				- / 105.026	- / 15.685	- / 17.863	- / 12.522	- / -	- / 12.522
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 105.026</b>	<b>- / 15.685</b>	<b>- / 17.863</b>	<b>- / 12.522</b>	<b>- / -</b>	<b>- / 12.522</b>

\*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 2020 PROGRAM JUSTIFICATION: Capital Equipment Replacement (CERP) of 20 SOF SIGINT PED Communication kits, CERP of Enterprise Infrastructure Upgrades, Advance Analytics, CERP of 4 Deployable/Tactical SOF Geospatial Intelligence Processing Exploitation, and Dissemination (SGIP), and the CERP of Garrison SGIP Infrastructure components. Usability testing, requirements refinement and market research for the ENT/ASIF requirements determined a new technology solution was needed. USSOCOM pivoted to a partnership with the National Reconnaissance Office in FY18 to utilize the fielded Government Off The Shelf (GOTS)/Commercial Off The Shelf (COTS) Fusion Analysis and Development Effort (FADE) platform. This decision reduces the requirements for ENT/ASIF upgrades and CERP in FY20 and beyond.

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<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2020 United States Special Operations Command																<b>Date:</b> March 2019			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 4								<b>P-1 Line Item Number / Title:</b> 020401INTL / DISTRIBUTED COMMON GROUND/SURFACE SYSTEM								<b>Aggregated Items Title:</b> Distributed Common Ground/Surface System			

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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 / SOF SIGINT PED Communication Kit CERP <sup>(1)</sup>			0.342	21	7.174	0.408	8	3.267	0.239	30	7.162	0.330	20	6.596	-	-	-	0.330	20	6.596
2 / DCGS - SOF Enterprise Infrastructure Upgrades			-	-	14.209	-	-	0.923	-	-	2.039	-	-	-	-	-	-	-	-	-
3 / DCGS - SOF Enterprise Infrastructure Upgrades CERP			-	-	4.869	-	-	2.601	-	-	2.640	-	-	1.000	-	-	-	-	-	1.000
4 / DCGS - SOF Advanced Analytics			-	-	8.459	-	-	1.511	-	-	1.287	-	-	0.812	-	-	-	-	-	0.812
5 / New Equipment Training			-	-	2.987	-	-	0.037	-	-	1.253	-	-	-	-	-	-	-	-	-
6 / Deployable/ Tactical SOF Geospatial Intelligence Processing (SGIP) CERP <sup>(2)</sup>			0.691	11	7.600	0.163	3	0.488	0.082	4	0.326	0.159	4	0.634	-	-	-	0.159	4	0.634
7 / Garrison SGIP Infrastructure CERP			0.242	46	11.144	-	-	0.008	-	-	3.156	-	-	3.480	-	-	-	-	-	3.480
8 / Deployable/ Tactical SGIP CERP - OCO			-	-	1.800	0.086	80	6.850	-	-	-	-	-	-	-	-	-	-	-	-
9 / Prior Year Funding (OCO)			-	-	46.784	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Distributed Common Ground/Surface System			-	-	105.026	-	-	15.685	-	-	17.863	-	-	12.522	-	-	-	-	-	12.522
Total			-	-	105.026	-	-	15.685	-	-	17.863	-	-	12.522	-	-	-	-	-	12.522

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

**Footnotes:**

<sup>(1)</sup> SOF SIGIN PED communication Kit CERP: Unit cost difference is reflective of an increase in Capital Life Cycle Management costs which include: System upgrades, NSA/SPAWAR Labor, Software and Hardware purchases, additional FSE Travel and Training requirements required for technical upgrades.

<sup>(2)</sup> Deployable/Tactical SOF Geospatial Intelligence (SGIP) CERP: Unit cost difference is reflective of variance between partial component CERP and full system CERP requirements based upon varying equipment utilization.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	<b>P-1 Line Item Number / Title:</b> 0204OTHER / OTHER ITEMS <\$5M
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1160402BB, 1160431BB
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	319.335	52.718	119.427	103.910	0.028	103.938	149.394	81.064	107.128	68.215	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	319.335	52.718	119.427	103.910	0.028	103.938	149.394	81.064	107.128	68.215	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	319.335	52.718	119.427	103.910	0.028	103.938	149.394	81.064	107.128	68.215	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>	1.753	-	0.864	0.875	-	0.875	-	-	-	-	-	3.492
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, rapid fielding, 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), Base Procured Equipment (BPE), 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. This P-1 line item includes \$0.028 million of FY2020 enduring Overseas Contingency Operations funding.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command								<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs						<b>P-1 Line Item Number / Title:</b> 0204OTHER / OTHER ITEMS <\$5M				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):			<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> 1160402BB, 1160431BB				
<b>Line Item MDAP/MAIS Code:</b> N/A										
Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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				- / 319.335	- / 52.718	- / 119.427	- / 103.910	- / 0.028	- / 103.938
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 319.335</b>	<b>- / 52.718</b>	<b>- / 119.427</b>	<b>- / 103.910</b>	<b>- / 0.028</b>	<b>- / 103.938</b>
<p>*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.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</p>										
<p><b>Justification:</b></p> <p>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 modifications funding moved to P-1 line item 0207NSAV/ Non-Standard Aviation. No associated RDT&amp;E funds.</p> <p>FY 2020 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.</p> <p>2. MILCON Collateral Equipment. This program procures collateral equipment for SOF military construction facilities. No associated RDT&amp;E funds. This program received Overseas Contingency Operations (OCO) funding in FY 2017.</p> <p>FY 2020 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.</p> <p>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, 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.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Continues to acquire next generation automation systems through the use of evolutionary technology insertions 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, Theater Special Operations Commands (TSOC), and Component Command's Information Technology (IT) infrastructure. Procures network system infrastructure, integration, and Evolutionary Technology Insertions in support of SOF Command and Control (C2) to include Global Messaging/Counter Messaging (GMCM) hardware/software.</p> <p>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, 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 2020 PROGRAM JUSTIFICATION: Procures Capital Equipment Replacement Program (CERP) for 35 TACLAN modular network suites, ancillary equipment, and integration.</p>										

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		<b>P-1 Line Item Number / Title:</b> 0204OTHER / OTHER ITEMS <\$5M
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1160402BB, 1160431BB
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>FY 2020 OCO PROGRAM JUSTIFICATION: Procures auxiliary equipment for ongoing OCONUS operations.</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 2020 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&amp;E funds.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures newly approved equipment as well as CERP of existing capabilities within the JOS and MLE programs.</p> <p>7. Base Procured Equipment (BPE): This program procures authorized investment equipment which exceed the \$250K investment/expense threshold and are not part of an existing program of record (POR). Examples of equipment include support equipment for modular facilities, mobile shoot houses, training ranges shelters, wargaming center equipment, uninterruptible power supply systems and terrain models.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures various equipment items that exceed the \$250K investment/expense threshold and are not part of an existing program of record.</p> <p>8. Multi-Mission Payload (MMP). The MMP is a family of broadcast assets capable of providing AM, FM, TV UHF/VHF, and cellular Military Information Support Operations (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. Additionally, the MMP is capable of supporting Electronic Warfare (EW) missions. The MMP consists of three variants: MMP-Heavy (H), MMP-Medium (M), and MMP-Light (L). MMP-H integrates onto EC-130J aircraft and has a maximum broadcast range of 175 miles. The MMP-M integrates onto a MQ-1C and other select aircraft and has a maximum broadcast range of 75 miles. Cost differs between variants because MMP-L consists of a series of modular pods that integrate onto Shadow UAVs and other select aircraft and has a maximum broadcast range of 40 miles.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures five MMP-Medium and one MMP-Light.</p>		

**UNCLASSIFIED**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command																Date: March 2019				
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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			-	-	1.753	-	-	-	-	-	0.864	-	-	0.879	-	-	-	-	-	0.879
1b / C-27J Low Cost Modifications			-	-	-	-	-	-	-	-	2.478	-	-	-	-	-	-	-	-	-
1c / Prior Year Funding			-	-	2.780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1. Aircraft Support			-	-	4.533	-	-	-	-	-	3.342	-	-	0.879	-	-	-	-	-	0.879
2. MILCON Collateral Equipment																				
2a / MILCON Collateral Equipment			-	-	54.293	-	-	7.265	-	-	22.204	-	-	27.665	-	-	-	-	-	27.665
2b / Project #P688, Camp Lemonier, Djibouti - Overseas Contingency Operations (OCO)			-	-	18.537	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2. MILCON Collateral Equipment			-	-	72.830	-	-	7.265	-	-	22.204	-	-	27.665	-	-	-	-	-	27.665
3. C4 Information and Automated Systems																				
3a / Distributive Data Center Hardware			-	-	73.322	-	-	5.880	-	-	2.403	-	-	2.681	-	-	-	-	-	2.681
3b / Evolutionary Technology Insertions			-	-	1.890	-	-	2.145	-	-	2.167	-	-	2.199	-	-	-	-	-	2.199
3c / Classified Network System Infrastructure			-	-	27.077	-	-	4.575	-	-	21.308	-	-	20.389	-	-	-	-	-	20.389
3d / Unclassified Network System Infrastructure			-	-	17.265	-	-	8.516	-	-	11.124	-	-	11.350	-	-	-	-	-	11.350
3e / Unclassified and Classified Network Re-Engineering - OCO			-	-	-	-	-	-	-	-	7.700	-	-	-	-	-	-	-	-	-
3f / Programmed Expansion			-	-	5.757	-	-	0.728	-	-	2.569	-	-	-	-	-	-	-	-	-
3g / Integration			-	-	7.194	-	-	1.995	-	-	2.004	-	-	2.035	-	-	-	-	-	2.035
3h / Global Messaging/Counter Messaging (GMCM)			-	-	-	-	-	-	-	-	5.588	-	-	-	-	-	-	-	-	-
Subtotal: 3. C4 Information and Automated Systems			-	-	132.505	-	-	23.839	-	-	54.863	-	-	38.654	-	-	-	-	-	38.654
4. Tactical Local Area Network																				



## UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command																Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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 (CERP)			-	-	36.586	0.405	23	9.315	0.212	71	15.021	0.247	35	8.650	-	-	-	0.247	35	8.650	
4b / Ancillary Equipment OCO			-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.028	-	-	0.028	
4c / Ancillary Equipment			-	-	3.860	-	-	0.819	-	-	0.839	-	-	0.836	-	-	-	-	-	0.836	
4d / Field Computing Devices			0.015	44	0.668	0.008	130	1.003	0.008	937	7.500	-	-	-	-	-	-	-	-	-	
4f / Integration			-	-	5.330	-	-	1.633	-	-	1.309	-	-	1.463	-	-	-	-	-	1.463	
4g / Prior Year Funding			-	-	0.955	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 4. Tactical Local Area Network			-	-	47.397	-	-	12.770	-	-	24.669	-	-	10.949	-	-	0.028	-	-	10.977	
5. Special Access Program Network																					
5a / Evolutionary Technology Insertion			-	-	0.696	-	-	0.711	-	-	0.918	-	-	5.614	-	-	-	-	-	5.614	
Subtotal: 5. Special Access Program Network			-	-	0.696	-	-	0.711	-	-	0.918	-	-	5.614	-	-	-	-	-	5.614	
6. Joint Operational Stocks																					
6a / Military Liasion Element			-	-	5.166	-	-	1.015	-	-	2.506	-	-	2.544	-	-	-	-	-	2.544	
6b / Equipment - CERP			-	-	7.280	-	-	3.755	-	-	2.322	-	-	2.359	-	-	-	-	-	2.359	
6c / Prior Year Funding - OCO			-	-	20.676	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 6. Joint Operational Stocks			-	-	33.122	-	-	4.770	-	-	4.828	-	-	4.903	-	-	-	-	-	4.903	
7. Base Procured Equipment (BPE)																					
7a / Equipment Items			-	-	-	-	-	-	-	-	-	-	-	1.991	-	-	-	-	-	1.991	
Subtotal: 7. Base Procured Equipment (BPE)			-	-	-	-	-	-	-	-	-	-	-	1.991	-	-	-	-	-	1.991	
8. Multi-Mission Payload																					
8a / Hardware / Systems Low Rate Initial Production			1.658	2	3.316	1.682	2	3.363	-	-	-	-	-	-	-	-	-	-	-	-	
8b / MMP-Heavy			-	-	-	-	-	-	2.868	3	8.603	-	-	-	-	-	-	-	-	-	
8c / MMP-Medium			-	-	-	-	-	-	-	-	-	2.107	5	10.535	-	-	-	2.107	5	10.535	
8d / MMP-Light			-	-	-	-	-	-	-	-	-	2.720	1	2.720	-	-	-	2.720	1	2.720	
Subtotal: 8. Multi-Mission Payload			-	-	3.316	-	-	3.363	-	-	8.603	-	-	13.255	-	-	-	-	-	13.255	
9. Prior Year Funding																					
9a / Prior Year Funding			-	-	24.936	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2020 United States Special Operations Command															<b>Date:</b> March 2019				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 4						<b>P-1 Line Item Number / Title:</b> 0204OTHER / OTHER ITEMS <\$5M									<b>Aggregated Items Title:</b> Other Items <\$5M				

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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: 9. Prior Year Funding			-	-	24.936	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	319.335	-	-	52.718	-	-	119.427	-	-	103.910	-	-	0.028	-	-	103.938

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

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	<b>P-1 Line Item Number / Title:</b> 0204SCCS / COMBATANT CRAFT SYSTEMS
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1160483BB, 1160484BB
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	522.698	40.772	15.913	33.088	-	33.088	31.202	43.349	68.641	64.242	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	522.698	40.772	15.913	33.088	-	33.088	31.202	43.349	68.641	64.242	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	522.698	40.772	15.913	33.088	-	33.088	31.202	43.349	68.641	64.242	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> )	0.550	0.742	-	-	-	-	-	-	-	-	-	1.292
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. Middle-Tier Acquisition, (2016 NDAA, Section 804) to accommodate rapid fielding, may be utilized. Currently, it includes Combatant Craft Medium (CCM), Combatant Craft Heavy (CCH), Riverine Craft, Combatant Craft Forward Looking Infrared (CCFLIR) program, and Combatant Craft Assault (CCA).

# UNCLASSIFIED

**Exhibit P-40, Budget Line Item Justification:** PB 2020 United States Special Operations Command **Date:** March 2019

**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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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				- / 154.006	- / 30.920	- / 13.275	- / 7.205	- / -	- / 7.205
P-40a	Category - Combatant Craft Systems / 2 - Combatant Craft Heavy				- / 17.775	- / 0.742	- / -	- / -	- / -	- / -
P-40a	Category - Combatant Craft Systems / 3 - Riverine Craft				- / 93.404	- / -	- / 0.416	- / 0.418	- / -	- / 0.418
P-40a	Category - Combatant Craft Systems / 4 - Combatant Craft Forward Looking Infrared System (CCFLIR)				- / 43.896	- / 6.701	- / 1.759	- / 17.520	- / -	- / 17.520
P-40a	Category - Combatant Craft Systems / 5 - Combatant Craft Assault				- / 114.012	- / 2.409	- / 0.463	- / 7.945	- / -	- / 7.945
P-40a	Category - Combatant Craft Systems / Prior Year Funding				- / 99.605	- / -	- / -	- / -	- / -	- / -
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 522.698</b>	<b>- / 40.772</b>	<b>- / 15.913</b>	<b>- / 33.088</b>	<b>- / -</b>	<b>- / 33.088</b>

\*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.

FY 2020 PROGRAM JUSTIFICATION: Procures six CCM prime movers, GFEs, ECPs, and spares.

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 2020 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.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		<b>P-1 Line Item Number / Title:</b> 0204SCCS / COMBATANT CRAFT SYSTEMS
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1160483BB, 1160484BB
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>FY 2020 PROGRAM JUSTIFICATION: Procures 25 CCFLIR2.</p> <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 2020 PROGRAM JUSTIFICATION: Procures two life cycle replacement CCAs, GFE, ECPs, prime movers as required.</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command																Date: March 2019					
Appropriation / Budget Activity / Budget Sub Activity:						P-1 Line Item Number / Title:										Aggregated Items Title:					
0300D / 02 / 4						0204SCCS / COMBATANT CRAFT SYSTEMS										Combatant Craft Systems					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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 / Craft System				5.393	19	102.467	6.476	4	25.904	6.638	2	13.275	-	-	-	-	-	-	-	-	
1.2 / Prime Movers				0.345	18	6.210	-	-	-	-	-	-	0.417	6	2.500	-	-	-	0.417	6	2.500
1.3 / Government Furnished Equipment (GFE), Engineering Change Proposals (ECPs), Spares				-	-	8.794	-	-	5.016	-	-	-	-	-	4.705	-	-	-	-	4.705	
1.4 / Prior Years				-	-	36.535	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1 - Combatant Craft Medium				-	-	154.006	-	-	30.920	-	-	13.275	-	-	7.205	-	-	-	-	-	7.205
2 - Combatant Craft Heavy																					
2.2 / Prior Years				-	-	17.225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.1 / Initial Spares				-	-	0.550	0.742	1	0.742	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2 - Combatant Craft Heavy				-	-	17.775	-	-	0.742	-	-	-	-	-	-	-	-	-	-	-	-
3 - Riverine Craft																					
3.1 / Craft System				1.595	51	81.345	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.2 / Prime Movers and DDP's				0.176	50	8.800	-	-	-	0.416	1	0.416	0.239	1	0.239	-	-	-	0.239	1	0.239
3.3 / ECPs				-	-	3.259	-	-	-	-	-	-	-	-	0.179	-	-	-	-	0.179	
Subtotal: 3 - Riverine Craft				-	-	93.404	-	-	-	-	-	0.416	-	-	0.418	-	-	-	-	-	0.418
4 - Combatant Craft Forward Looking Infrared System (CCFLIR)																					
4.1 / NG CCFLIR Systems				0.634	7	4.434	0.670	10	6.701	0.880	2	1.759	-	-	-	-	-	-	-	-	
4.2 / NG CCFLIR2 Systems				-	-	-	-	-	-	-	-	-	0.701	25	17.520	-	-	-	0.701	25	17.520
4.3 / Prior Years				-	-	39.462	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 4 - Combatant Craft Forward Looking Infrared System (CCFLIR)				-	-	43.896	-	-	6.701	-	-	1.759	-	-	17.520	-	-	-	-	-	17.520
5 - Combatant Craft Assault																					
5.1 / Craft System				3.060	24	73.440	-	-	-	-	-	-	2.723	2	5.446	-	-	-	2.723	2	5.446
5.2 / GFE, ECPs, Prime Movers, Ancillary Equipment, Spares				-	-	19.833	-	-	2.409	-	-	0.463	-	-	2.499	-	-	-	-	2.499	
5.3 / Prior Years/ Congressional Add				2.592	8	20.739	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 5 - Combatant Craft Assault				-	-	114.012	-	-	2.409	-	-	0.463	-	-	7.945	-	-	-	-	-	7.945
Prior Year Funding																					

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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 / 1.1 - Prior Year Funding			-	-	99.605	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Prior Year Funding			-	-	99.605	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	522.698	-	-	40.772	-	-	15.913	-	-	33.088	-	-	-	-	-	33.088

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

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	<b>P-1 Line Item Number / Title:</b> 0204SPCPRG / SPECIAL PROGRAMS
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	245.016	13.729	14.026	63.467	-	63.467	81.790	49.484	25.174	25.663	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	245.016	13.729	14.026	63.467	-	63.467	81.790	49.484	25.174	25.663	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	245.016	13.729	14.026	63.467	-	63.467	81.790	49.484	25.174	25.663	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>	-	-	-	-	-	-	-	-	-	-	-	-
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.

**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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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	<b>P-1 Line Item Number / Title:</b> 0204TACVEH / TACTICAL VEHICLES
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1160480BB
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,889.589	110.271	145.499	77.832	2.990	80.822	42.496	33.566	34.159	34.845	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1,889.589	110.271	145.499	77.832	2.990	80.822	42.496	33.566	34.159	34.845	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,889.589	110.271	145.499	77.832	2.990	80.822	42.496	33.566	34.159	34.845	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	2.272	0.470	2.000	0.500	-	0.500	-	-	-	-	Continuing	Continuing
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

**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. This program supports the rapid fielding of SOF ground tactical, NSCV, and MRAP vehicles. This P-1 line item includes \$2.990 million of FY2020 enduring Overseas Contingency Operations funding.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command								<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs						<b>P-1 Line Item Number / Title:</b> 0204TACVEH / TACTICAL VEHICLES				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):				<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> 1160480BB			
<b>Line Item MDAP/MAIS Code:</b> N/A										
Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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				- / 1,889.589	- / 110.271	- / 145.499	- / 77.832	- / 2.990	- / 80.822
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 1,889.589</b>	<b>- / 110.271</b>	<b>- / 145.499</b>	<b>- / 77.832</b>	<b>- / 2.990</b>	<b>- / 80.822</b>
<small>*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.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										

**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 2018 and FY 2019.

FY 2020 PROGRAM JUSTIFICATION: Procures 57 GMV 1.1 platforms with SOF Kits, 107 C4ISR/ Electronic Countermeasures Systems (ECMS) A-Kits, production support, and 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. This program received OCO funding in FY 2018 and FY 2019.

FY 2020 PROGRAM JUSTIFICATION: Procures 105 (99 armored/6 unarmored) NSCVs, 117 C4ISR/ECMS A-Kits, and production and fielding support (shipping and training).

FY 2020 Overseas Contingency Operations (OCO) PROGRAM JUSTIFICATION: Procures 12 armored NSCVs.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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			0.409	345	140.981	0.361	101	36.461	0.362	42	15.204	0.378	57	21.546	-	-	-	0.378	57	21.546
1b / Base Vehicle & SOF Kits - Overseas Contingency Operations (OCO)			0.334	6	2.004	-	-	-	0.362	104	37.648	-	-	-	-	-	-	-	-	-
1c / C4ISR / Electronic Countermeasures Systems (ECMS) - A-Kits			0.128	346	44.163	0.111	101	11.211	0.112	185	20.720	0.113	107	12.091	-	-	-	0.113	107	12.091
1d / Advanced Armor Kits - OCO			0.101	31	3.133	0.106	214	22.684	-	-	-	-	-	-	-	-	-	-	-	-
1e / Production Support			-	-	15.397	-	-	1.523	-	-	7.481	-	-	3.565	-	-	-	-	-	3.565
1f / Initial Spares			-	-	2.272	-	-	0.420	-	-	2.000	-	-	0.500	-	-	-	-	-	0.500
1g / Base Vehicle & SOF Kits Congressional Plus Up (CPU)			-	-	-	0.362	12	4.344	-	-	-	-	-	-	-	-	-	-	-	-
1h / Initial Spares (CPU)			-	-	-	-	-	0.050	-	-	-	-	-	-	-	-	-	-	-	-
1i / Production Support (CPU)			-	-	-	-	-	0.052	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1. Ground Mobility Vehicle (GMV) (Medium)			-	-	207.950	-	-	76.745	-	-	83.053	-	-	37.702	-	-	-	-	-	37.702
2. Non-Standard Commercial Vehicle (NSCV)																				
2a / Armored NSCV			0.246	363	89.166	0.217	34	7.374	0.245	99	24.255	0.250	99	24.760	-	-	-	0.250	99	24.760
2b / Armored NSCV - OCO			-	-	-	0.243	46	11.186	0.246	62	15.225	-	-	-	0.249	12	2.990	0.249	12	2.990
2c / Unarmored NSCV			0.151	70	10.576	0.155	10	1.550	0.172	20	3.440	0.175	6	1.050	-	-	-	0.175	6	1.050
2d / C4ISR/ECMS - A Kits			0.055	523	28.615	0.100	44	4.400	0.102	112	11.424	0.106	117	12.402	-	-	-	0.106	117	12.402
2e / C4ISR/ECMS - A Kits - OCO			-	-	-	0.100	46	4.600	0.103	62	6.386	-	-	-	-	-	-	-	-	-
2f / Production and Fielding Support			-	-	14.599	-	-	1.416	-	-	1.716	-	-	1.918	-	-	-	-	-	1.918
2g / Armored NSCV - CPU			-	-	-	0.217	9	1.953	-	-	-	-	-	-	-	-	-	-	-	-
2h / C4ISR/ECMS - A Kits (CPU)			-	-	-	0.100	9	0.900	-	-	-	-	-	-	-	-	-	-	-	-
2i / Production and Fielding Support (CPU)			-	-	-	-	-	0.147	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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: 2. Non-Standard Commercial Vehicle (NSCV)			-	-	142.956	-	-	33.526	-	-	62.446	-	-	40.130	-	-	2.990	-	-	43.120
3. Prior Years																				
3 / Prior Years Funding			-	-	1,538.683	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3. Prior Years			-	-	1,538.683	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	1,889.589	-	-	110.271	-	-	145.499	-	-	77.832	-	-	2.990	-	-	80.822

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

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs							<b>P-1 Line Item Number / Title:</b> 0204WARSYS / WARRIOR SYSTEMS <\$5M					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):			<b>Program Elements for Code B Items:</b> N/A					<b>Other Related Program Elements:</b> 1160431BB				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	966.417	287.513	458.499	298.480	37.512	335.992	331.626	312.728	332.200	339.365	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	966.417	287.513	458.499	298.480	37.512	335.992	331.626	312.728	332.200	339.365	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>966.417</b>	<b>287.513</b>	<b>458.499</b>	<b>298.480</b>	<b>37.512</b>	<b>335.992</b>	<b>331.626</b>	<b>312.728</b>	<b>332.200</b>	<b>339.365</b>	<b>Continuing</b>	<b>Continuing</b>
<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> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b> This P-1 Line Item provides for the procurement, rapid fielding, and associated costs of specialized equipment in the areas of communications, weapons, soldier protection and survival systems, Personal Signature Management (PSM), Counter Radio-Controlled Improvised Explosive Device (RC-IED) jamming systems, Counter-Unmanned Aircraft Systems (C-UAS), Visual Augmentation Systems (VAS), optics, lasers and simulators, radios, trainers, simulators, 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-IED jamming force protection system will further enhance the bandwidth performance to defeat emerging radio frequency detonation threats during mobile and dismount operations. C-UAS enhances the Soldier's ability to detect, track, identify, exploit and defeat specific stand-off unmanned weapon threats, and to acquire objects of military significance before the Soldier is detected and to target threat objects accurately for engagement by soldiers C-UAS defeat capabilities. Visual augmentation, lasers and sensor systems, simulators and accessories provide SOF with day and night detection, observation, engagement, assessment and proficiency training capabilities that exceed service-common systems and optimizes hyper-enabled operator effectiveness. 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. This P-1 Line item includes \$36.212 million of FY2020 enduring Overseas Contingency Operations (OCO) funding and \$1.300 million of FY2020 direct OCO funding.												

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Exhibit P-40, Budget Line Item Justification: PB 2020 United States Special Operations Command								Date: March 2019		
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										
Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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				- / 966.417	- / 287.513	- / 458.499	- / 298.480	- / 37.512	- / 335.992
P-40	Total Gross/Weapon System Cost				- / 966.417	- / 287.513	- / 458.499	- / 298.480	- / 37.512	- / 335.992
*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) for worldwide deployed SOF units, often in austere environments with heavy adversarial monitoring. Acquisition efforts are structured for rapid procurements to counter adaptable emerging threats in all theaters of SOF sensitive missions.

FY 2020 PROGRAM JUSTIFICATION: Procures 17 field mission sets as well as enterprise segment and base end segment such as mission-tailored, anti-intrusion/detection, enterprise-level, obfuscated communication capabilities for sensitive missions.

FY 2020 OVERSEAS CONTINGENCY OPERATIONS (OCO) PROGRAM JUSTIFICATION: Procures enterprise segment such as mission-tailored, anti-intrusion/detection, enterprise-level, obfuscated communication capabilities for sensitive missions.

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 Full Motion Video (FMV) at all levels of classification. It consists of SDN subprograms, transport for intelligence variants, technology insertions and capital equipment replacement, to include 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 (C4) 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 (SIE) global architecture in support of regional requirements. The Airborne Intelligence Surveillance Reconnaissance (AISR) 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 OCO funding in FY 2018 and FY 2019.

FY 2020 PROGRAM JUSTIFICATION: Procures Capital Equipment Replacement Plan (CERP) of 9 SDN-H, 65 SDN-M, 302 SDN-L, 3 Predator Receive Terminals (PRT), CERP Full Motion Video (FMV) - Evolutionary Technology Insertions (ETIs), SDN-Extension Packages, CERP COTM ETIs, 42 Light Vx Variants, and CERPs 4 KU Spread Spectrum Ingest Hubs.

FY 2020 OCO PROGRAM JUSTIFICATION: Procures 1 SDN-H due to battle loss, 24 SDN-L, COTM ETIs, SDN-extension package, and COTM.

3. SCAMPI (not an acronym). Wide Area Network (WAN) foundation system that transports, encrypts, and accelerates all data, voice, and video information between Headquarters USSOCOM, SOF deployed forces, all subordinate commands, and selected government agencies and activities directly supporting the special operations community. SCAMPI provides transport 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 SDNs.

FY 2020 PROGRAM JUSTIFICATION: Procure one Installation Gateway (IG), CERP one Special Purpose Processing Node (SPPNs), nine Installation Gateways, and one Strategic Installation Gateway (SIG). CERP unit cost increase for Strategic Installation Gateways is due to the implementation of an enterprise Unified Capabilities (voice/video/mobility) solution for each SIG beginning in FY2020.



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Exhibit P-40, Budget Line Item Justification: PB 2020 United States Special Operations Command		Date: March 2019
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		
FY 2020 OCO PROGRAM JUSTIFICATION: CERP seven Installation Gateways.		
<p>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 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.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures 980 Rifle Upper Receiver Groups (URG), 10 MK 44 Machine Guns, 450 Advanced Sniper Rifles (ASR), 20 MK 15 Sniper Rifles, 762 Glock 19 Handguns and weapons range equipment.</p>		
<p>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 Mission Force's 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. This program received OCO funding in FY19.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures seven CASEVAC sets and production support.</p> <p>FY 2020 OCO PROGRAM JUSTIFICATION: Procures nine CASEVAC sets.</p>		
<p>6. Personal Signature Management (PSM). The PSM program provides signature reducing materials and technology that reduce the probability of detection by battlefield threat sensors.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures 120 PSM systems.</p>		
<p>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. Mounted and Dismounted system designs provide force protection while operating in various environments. These systems are designed for easy update to protect against an evolving threat matrix. Continued procurement of the 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. The program received OCO funding in FY 2018.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures 51 force protection RC-IED devices, and ancillary equipment.</p>		
<p>8. Counter Unmanned Aircraft System (C-UAS). Provides the SOF Operator protection with a wide range of lightweight, low signature hand held, man-portable, and mounted radio frequency (RF) detection, fixed site systems, acoustic, electro-optical infrared (EO/IR), passive and active Radar sensors to allow the detection, identification, tracking, location, exploitation of enemy unmanned systems during dismounted and mounted operations in hostile and denied environments. Procurement of SOF C-UAS detection and defeat systems will enhance the accuracy of sensor detection paired with the kinetic and non-kinetic defeat and mitigation of enemy unmanned systems.</p> <p>FY 2020 OCO PROGRAM JUSTIFICATION: Procures 216 Hand Held detection devices, 62 Man-portable Devices, 20 Mounted Devices, 19 C-UAS Fixed Site Systems, 19 C-UAS Miscellaneous Systems.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2020 United States Special Operations Command		Date: March 2019
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>9. Visual Augmentation Systems (VAS) - Optics. Provides the SOF operator with lightweight, man-portable thermal imagers that detect, acquire, and observe targets during day/night operations; equip the sniper with a lightweight, low signature, fire control and observation device that allows operators to detect, 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 program received OCO funding in FY 2018 and FY 2019.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures 394 Binocular Night Vision Devices, 333 Clip on Thermal Imagers, 149 Clip on Short Wave Infrared Imagers, 10 Hand Held Imager (HHI)-Mini Imagers, 4,490 Enhanced Combat Optical Sight (ECOS) Optics, 1,800 Miniature Aiming Systems (MAS) Day Optics Handgun Reflex Sight and 6,517 MAS Day Optics Scopes.</p>		
<p>10. Visual Augmentation Systems (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 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), and Laser Aiming Markers (LAM) programs. This program received OCO funding in FY 2018.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures 2,700 ATPIAL Squad Aiming Lasers, 160 ATPIAL Precision Aiming Lasers, 284 ATPIAL Handguns, 1,100 ATPIAL Ranging Aiming Laser, and 450 Thermal Beacons.</p>		
<p>11. Visual Augmentation Systems (VAS) – Simulators. Simulator trainers enable SOF operators to learn, enhance, and hone skills, at a greatly reduced cost to training on a weapons range with live munitions. This item procures various simulators to enhance skills, such as the Joint Terminal Attack Controller (JTAC) simulation training for forward deployed SOF operators who direct the action of combat aircraft engaged in close air support and other offensive air operations. There are three required configurations, which include a full immersive system, classroom systems, and deployable system. The immersive and classroom configurations provide a full realistic simulation which addresses multiple phases of training to include proficiency, readiness, and mission preparation. The deployable configuration will support Host Nation/Partner Nation (HN/PN) training, as well as internal currency and rehearsal requirements when a JTAC is away from the garrison unit during training or forward deployed.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures 12 Joint Terminal Attack Controller (JTAC) simulators.</p>		
<p>12. 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 and Congressional Adds in FY 2018 and FY 2019.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures 167 Handheld, 71 Handheld Link-16 radios, 96 Hand-Held CERPs, 19 handheld for Combatant Craft Assault, 1,930 man-pack radios, and 329 high-frequency radios.</p> <p>FY 2020 OCO PROGRAM JUSTIFICATION: Procures 184 Handheld Link 16 radios.</p>		
<p>13. 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</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		<b>P-1 Line Item Number / Title:</b> 0204WARSYS / WARRIOR SYSTEMS <\$5M
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 1160431BB
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>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. This program received OCO funding in FY 2019.</p> <p>FY 2020 PROGRAM JUSTIFICATION: Procures 10 Multi-Band Radio Transit Cases, 10 High Frequency Transit Cases, 5 Mobile Base Stations, and ancillary items.</p> <p>14. 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 2020 PROGRAM JUSTIFICATION: Procures 100 SHOUT-TS1, 160 Riverjack Tracker (RJT), 16 Lightning Bolt Handheld (LBHH), 500 SHOUT-TS1S, and 67 PUCK.</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command																Date: March 2019				
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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			0.164	42	6.887	0.150	22	3.304	0.161	17	2.736	0.162	17	2.759	-	-	-	0.162	17	2.759
1b / SPCOM Enterprise Segment Capabilities			-	-	1.296	-	-	0.540	-	-	-	-	-	0.108	-	-	-	-	-	0.108
1c / SPCOM Enterprise Segment Capabilities - Overseas Contingency Operations (OCO)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.012	-	-	2.012
1d / SPCOM Base End Segment Capabilities			-	-	0.880	-	-	0.477	-	-	-	-	-	0.097	-	-	-	-	-	0.097
Subtotal: 1. Special Communication (SPCOM) Enterprise			-	-	9.063	-	-	4.321	-	-	2.736	-	-	2.964	-	-	2.012	-	-	4.976
2. Satellite Deployable Node (SDN)																				
2a / SDN-H Hardware Heavy - Capital Equipment Replacement Program (CERP)			1.592	24	38.198	0.400	42	16.785	1.025	15	15.375	1.016	9	9.140	-	-	-	1.016	9	9.140
2b / SDN-H Hardware Replacement - (OCO)			-	-	-	-	-	-	-	-	-	-	-	-	1.300	1	1.300	1.300	1	1.300
2c / SDN-H Antennas - CERP			-	-	-	-	-	-	0.260	50	13.000	-	-	-	-	-	-	-	-	-
2d / SDN Medium Hardware - CERP			0.417	193	80.468	0.410	161	66.088	0.402	73	29.321	0.318	65	20.659	-	-	-	0.318	65	20.659
2e / SDN Medium Hardware - Replacement - OCO			-	-	-	-	-	-	0.581	5	2.906	-	-	-	-	-	-	-	-	-
2f / SDN Light Hardware - CERP			0.159	481	76.404	0.142	214	30.436	0.142	543	77.167	0.142	302	42.854	-	-	-	0.142	302	42.854
2g / SDN Light Hardware - Replacement - OCO			-	-	-	-	-	-	0.315	4	1.260	-	-	-	0.143	24	3.440	0.143	24	3.440
2h / Predator Receive Terminal (PRT)- CERP			2.443	4	9.773	-	-	-	2.167	3	6.500	2.206	3	6.618	-	-	-	2.206	3	6.618
2i / Predator Receive Terminal (PRT)- OCO			2.250	4	9.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2j / Full Motion Video (FMV) - CERP			-	-	-	0.008	1	0.008	-	-	-	-	-	-	-	-	-	-	-	-
2k / Full Motion Video (FMV) - Evolutionary			-	-	3.826	-	-	0.945	-	-	7.486	-	-	1.135	-	-	-	-	-	1.135

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command																Date: March 2019				
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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) - CERP																				
2l / Full Motion Video Data (FMV) Transport - OCO			-	-	-	-	-	10.500	-	-	-	-	-	-	-	-	-	-	-	-
2m / Extension Package - CERP			0.387	6	2.322	0.011	1	0.011	0.364	3	1.093	-	-	1.065	-	-	-	-	-	1.065
2n / Extension Package OCO			-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.281	-	-	0.281
2o / Comms-On-the-Move - ETI			-	-	8.022	-	-	1.022	-	-	1.131	-	-	12.989	-	-	-	-	-	12.989
2p / Comms-On-the-Move - ETI - CERP			-	-	1.740	-	-	1.296	-	-	1.654	-	-	2.132	-	-	-	-	-	2.132
2q / Comms-On-the-Move - OCO			-	-	-	1.820	4	7.280	-	-	-	-	-	-	-	-	0.516	-	-	0.516
2r / Light Vx Variant - CERP			0.093	30	2.790	0.097	39	3.802	0.100	50	4.993	0.099	42	4.165	-	-	-	0.099	42	4.165
2s / KuSS Ingest Hub - CERP			1.801	7	12.605	1.606	5	8.028	1.650	5	8.252	1.976	4	7.903	-	-	-	1.976	4	7.903
2t / Joint Task Force - OCO			2.083	6	12.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2u / Digital Video Broadcasting - OCO			0.650	10	6.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2v / Prior Year Funding - *(includes prior year funding support from the P5 in the 19PBR exhibit)			-	-	137.883	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2. Satellite Deployable Node (SDN)			-	-	402.031	-	-	146.201	-	-	170.138	-	-	108.660	-	-	5.537	-	-	114.197
3. SCAMPI																				
3a / Special Purpose Processing Node - CERP			0.501	3	1.504	0.631	1	0.631	0.637	1	0.637	0.766	1	0.766	-	-	-	0.766	1	0.766
3b / Installation Gateway (New)			0.851	19	16.173	0.886	11	9.747	0.843	9	7.588	0.919	1	0.919	-	-	-	0.919	1	0.919
3c / Installation Gateway - CERP			0.786	39	30.650	0.780	10	7.802	0.743	11	8.168	1.171	9	10.537	-	-	-	1.171	9	10.537
3d / Installation Gateway - CERP OCO			-	-	-	-	-	-	-	-	-	-	-	-	1.227	7	8.588	1.227	7	8.588
3e / Strategic Installation Gateway - CERP			2.352	8	18.817	2.477	2	4.954	6.583	1	6.583	8.935	1	8.935	-	-	-	8.935	1	8.935

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)
3f / Global Messaging/ Counter Messaging - Software/Hardware			-	-	-	-	-	-	1.000	1	1.000	-	-	-	-	-	-	-	-	-
3g / Prior Year Funding			-	-	2.313	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3. SCAMPI			-	-	69.457	-	-	23.134	-	-	23.976	-	-	21.157	-	-	8.588	-	-	29.745
4. Weapons																				
4a / Rifle - Upper Receiver Group (URG)			0.006	711	4.266	0.006	885	5.308	0.006	980	5.880	0.008	980	8.144	-	-	-	0.008	980	8.144
4b / Sniper Rifle - MK 13			0.007	1	0.007	0.007	57	0.398	0.008	91	0.728	-	-	-	-	-	-	-	-	-
4c / Sniper Rifle - MK 15			0.008	232	1.856	0.008	28	0.223	0.008	69	0.552	0.008	20	0.160	-	-	-	0.008	20	0.160
4d / Advanced Sniper Rifle (ASR)			-	-	-	-	-	-	-	-	-	0.010	450	4.500	-	-	-	0.010	450	4.500
4e / Machine Gun - MK 44			0.139	40	5.560	0.121	5	0.606	0.120	41	4.922	0.126	10	1.260	-	-	-	0.126	10	1.260
4f / Machine Gun - MK 46 - Overseas Contingency Operations			0.006	100	0.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4g / Handgun - Glock 19			0.001	6,564	6.564	0.001	1,161	1.161	0.001	800	0.800	0.002	762	1.523	-	-	-	0.002	762	1.523
4h / Range Equipment			-	-	1.804	-	-	1.330	-	-	1.483	-	-	1.357	-	-	-	-	-	1.357
4i / Air National Guard (ANG) Equipment - Congressional Interest Item			-	-	-	0.002	242	0.485	-	-	-	-	-	-	-	-	-	-	-	-
4j / Prior Year Funding			-	-	22.692	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4. Weapons			-	-	43.349	-	-	9.511	-	-	14.365	-	-	16.944	-	-	-	-	-	16.944
5. Tactical Combat Casualty Care (TCCC)																				
5a / Casualty Evacuation (CASEVAC) Sets			0.168	103	17.304	0.192	9	1.728	0.172	37	6.364	0.179	7	1.255	-	-	-	0.179	7	1.255
5b / CASEVAC Sets - OCO			0.170	91	15.491	-	-	-	0.172	66	11.352	-	-	-	0.173	9	1.561	0.173	9	1.561
5c / ANG Equipment - Congressional Interest Item			-	-	-	0.192	7	1.344	-	-	-	-	-	-	-	-	-	-	-	-
5d / Production Support			-	-	0.350	-	-	0.069	-	-	0.043	-	-	0.023	-	-	-	-	-	0.023
5e / Production Support - OCO			-	-	0.381	-	-	-	-	-	0.055	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command																Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)	
5f / Air National Guard (ANG) Equipment - Congressional Interest Item			-	-	-	-	-	0.157	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 5. Tactical Combat Casualty Care (TCCC)			-	-	33.526	-	-	3.298	-	-	17.814	-	-	1.278	-	-	1.561	-	-	2.839	
6. Personal Signature Management (PSM)																					
6a / PSM System			-	-	-	-	-	-	0.000	120	0.058	0.000	120	0.059	-	-	-	0.000	120	0.059	
Subtotal: 6. Personal Signature Management (PSM)			-	-	-	-	-	-	-	-	0.058	-	-	0.059	-	-	-	-	-	0.059	
7. Counter Radio Controlled-Improvised Explosive Device (RC-IED)																					
7a / RC-IED Device <sup>(1)</sup>			0.255	219	55.784	0.147	129	18.942	0.147	222	32.598	0.252	51	12.842	-	-	-	0.252	51	12.842	
7b / Ancillary Equipment <sup>(2)</sup>			-	-	3.875	-	-	9.186	-	-	1.653	-	-	0.518	-	-	-	-	-	0.518	
7c / Ancillary Equipment - OCO <sup>(3)</sup>			-	-	1.000	-	-	1.911	-	-	-	-	-	-	-	-	-	-	-	-	
7d / Prior Year Funding			-	-	5.676	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7e / Prior Year Funding - OCO *(includes prior year support funding from P5 in 19PBR exhibit)			0.280	50	14.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 7. Counter Radio Controlled-Improvised Explosive Device (RC-IED)			-	-	80.335	-	-	30.039	-	-	34.251	-	-	13.360	-	-	-	-	-	13.360	
8. Counter Unmanned Aircraft System (C-UAS)																					
8a / C-UAS Hand Held OCO			-	-	-	-	-	-	-	-	-	-	-	-	0.013	216	2.810	0.013	216	2.810	
8b / C-UAS Man-Portable OCO			-	-	-	-	-	-	-	-	-	-	-	-	0.066	62	4.070	0.066	62	4.070	
8c / C-UAS Mounted OCO			-	-	-	-	-	-	-	-	-	-	-	-	0.060	20	1.200	0.060	20	1.200	
8d / C-UAS Fixed Site OCO			-	-	-	-	-	-	-	-	-	-	-	-	0.161	19	3.060	0.161	19	3.060	
8e / C-UAS Miscellaneous OCO			-	-	-	-	-	-	-	-	-	-	-	-	0.098	19	1.860	0.098	19	1.860	
8f / C-UAS Passive Detection			-	-	-	-	-	-	0.275	19	5.230	-	-	-	-	-	-	-	-	-	
8g / C-UAS Active Detection			-	-	-	-	-	-	0.545	6	3.270	-	-	-	-	-	-	-	-	-	
Subtotal: 8. Counter Unmanned Aircraft System (C-UAS)			-	-	-	-	-	-	-	-	8.500	-	-	-	-	-	-	13.000	-	-	13.000
9. Visual Augmentation Systems (VAS) - Optics																					

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)
9a / Binocular Night Vision Devices (NVD) - AN/PVS-31			0.007	8,700	60.900	0.008	923	7.384	0.007	1,185	8.295	0.007	394	2.758	-	-	-	0.007	394	2.758
9b / NVD OCO			-	-	-	0.008	11	0.092	-	-	-	-	-	-	-	-	-	-	-	-
9c / Clip On Thermal Imagers (COTI) - AN/PAS-29			0.006	2,110	12.660	0.006	698	4.188	0.006	534	3.204	0.008	333	2.664	-	-	-	0.008	333	2.664
9d / Clip On Short Wave Infrared Imager (COSI) AN/PAS-34			-	-	-	-	-	-	0.016	105	1.680	0.017	149	2.533	-	-	-	0.017	149	2.533
9e / Improvised Night/Day Fire Control Observation Device (INOD) - SU-280/P			0.057	420	23.940	0.065	16	1.040	0.067	13	0.871	-	-	-	-	-	-	-	-	-
9f / INOD - SU-280/P - OCO			0.057	140	7.980	-	-	-	0.065	50	3.250	-	-	-	-	-	-	-	-	-
9g / Hand Held Imager (HHI) - Mini Long-Range AN/PAS-33			0.068	210	14.280	-	-	-	0.075	10	0.750	0.075	10	0.750	-	-	-	0.075	10	0.750
9h / HHI - Pocket			-	-	-	0.017	22	0.374	-	-	-	-	-	-	-	-	-	-	-	-
9i / Enhanced Fusion Goggle			-	-	-	0.006	128	0.768	-	-	-	-	-	-	-	-	-	-	-	-
9j / Weapon Optics - Congressional Add			0.007	1,120	7.840	0.007	385	2.700	-	-	-	-	-	-	-	-	-	-	-	-
9k / Enhanced Combat Optical Sight (ECOS)			0.002	7,882	15.764	0.004	1,590	6.360	0.004	2,656	10.624	0.000	4,490	1.222	-	-	-	0.000	4,490	1.222
9l / ECOS OCO			-	-	-	0.005	6	0.030	-	-	-	-	-	-	-	-	-	-	-	-
9m / Miniature Aiming System (MAS) Day Optics Handgun Reflex Sight (HRS)			-	-	-	-	-	-	-	-	-	0.000	1,800	0.633	-	-	-	0.000	1,800	0.633
9n / Miniature Aiming System Day Optics (Scopes)			-	-	-	-	-	-	-	-	-	0.002	6,517	13.034	-	-	-	0.002	6,517	13.034
9o / ANG Equipment - Congressional Interest Item			-	-	-	-	-	5.122	-	-	-	-	-	-	-	-	-	-	-	-
9p / Prior Year Funding - OCO			-	-	23.919	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 9. Visual Augmentation Systems (VAS) - Optics			-	-	167.283	-	-	27.927	-	-	28.674	-	-	23.594	-	-	-	-	-	23.594
10. Visual Augmentation Systems (VAS) - Lasers																				
10a / Laser Aiming Marker			-	-	-	0.052	27	1.404	0.052	33	1.716	-	-	-	-	-	-	-	-	-



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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)
10b / Advanced Target Precision Infrared Aiming Laser (ATPIAL) Systems AN/PEQ-15			0.002	1,513	3.026	0.002	4,533	9.066	0.002	16,061	32.122	-	-	-	-	-	-	-	-	-
10c / ATPIAL Systems AN/PEQ-15 - OCO			-	-	-	0.004	8	0.035	-	-	-	-	-	-	-	-	-	-	-	-
10d / ATPIAL Squad Aiming Laser			-	-	-	-	-	-	-	-	-	0.002	2,700	5.400	-	-	-	0.002	2,700	5.400
10e / ATPIAL Precision Aiming Laser			-	-	-	-	-	-	-	-	-	0.013	160	2.080	-	-	-	0.013	160	2.080
10f / ATPIAL Handgun Aiming Laser			-	-	-	-	-	-	-	-	-	0.002	284	0.568	-	-	-	0.002	284	0.568
10g / ATPIAL Ranging Aiming Laser			-	-	-	-	-	-	-	-	-	0.002	1,100	2.200	-	-	-	0.002	1,100	2.200
10h / Small Target Location Device			0.111	26	2.886	0.108	12	1.296	0.109	21	2.289	-	-	-	-	-	-	-	-	-
10i / Thermal Beacon			-	-	-	-	-	-	-	-	-	0.009	450	4.050	-	-	-	0.009	450	4.050
10j / Prior Year Funding			-	-	25.206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10k / Prior Year Funding - OCO			-	-	0.630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 10. Visual Augmentation Systems (VAS) - Lasers			-	-	31.748	-	-	11.798	-	-	36.175	-	-	14.298	-	-	-	-	-	14.298
11. Visual Augmentation System (VAS) - Simulators																				
11a / VAS Simulators			-	-	-	-	-	-	-	-	-	1.036	12	12.427	-	-	-	1.036	12	12.427
Subtotal: 11. Visual Augmentation System (VAS) - Simulators			-	-	-	-	-	-	-	-	-	-	-	12.427	-	-	-	-	-	12.427
12. SOF Tactical Communications																				
12a / Handheld			0.016	159	2.540	-	-	-	-	-	-	0.013	167	2.183	-	-	-	0.013	167	2.183
12b / Handheld (Congressional Add)			-	-	-	0.016	313	5.000	-	-	-	-	-	-	-	-	-	-	-	-
12c / Handheld Link-16			-	-	-	0.030	305	9.200	0.030	768	23.061	0.037	71	2.658	-	-	-	0.037	71	2.658
12c / Handheld Link-16 OCO			-	-	-	-	-	-	-	-	-	-	-	-	0.037	184	6.814	0.037	184	6.814
12d / Handheld Link-16 (Congressional Add)			-	-	-	-	-	-	0.037	345	12.800	-	-	-	-	-	-	-	-	-
12e / Handheld - CERP			0.016	2,892	46.271	0.011	733	8.062	0.011	1,968	21.652	0.013	96	1.252	-	-	-	0.013	96	1.252
12f / Handheld Combatant Craft Assault (CCA) GFE			-	-	-	-	-	-	0.017	12	0.201	0.013	19	0.251	-	-	-	0.013	19	0.251

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command																Date: March 2019				
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)
12g / CCA GFE OCO			0.016	62	0.991	0.016	15	0.240	-	-	-	-	-	-	-	-	-	-	-	-
12h / Manpack - CERP			0.032	1,049	33.570	-	-	-	0.032	1,313	42.020	0.034	1,930	65.633	-	-	-	0.034	1,930	65.633
12i / Manpack CCA GFE OCO			0.043	7	0.300	0.037	4	0.147	-	-	-	-	-	-	-	-	-	-	-	
12j / High Frequency - CERP			0.014	865	11.684	0.013	254	3.182	0.013	355	4.620	0.013	329	4.278	-	-	-	0.013	329	4.278
12k / Prior Year Funding			0.048	13	0.620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 12. SOF Tactical Communications			-	-	95.976	-	-	25.831	-	-	104.354	-	-	76.255	-	-	6.814	-	-	83.069
13. Radio Integration System																				
13a / Multi-Band Radio Transit Case			0.183	20	3.660	0.182	8	1.456	0.188	24	4.508	0.174	10	1.744	-	-	-	0.174	10	1.744
13b / Multi-Band Radio Transit Case - OCO			-	-	-	-	-	-	0.239	6	1.434	-	-	-	-	-	-	-	-	-
13c / High Frequency Transit Case			0.118	8	0.944	0.116	2	0.232	0.121	8	0.966	0.127	10	1.266	-	-	-	0.127	10	1.266
13d / High Frequency Transit Case - OCO			-	-	-	-	-	-	0.219	4	0.878	-	-	-	-	-	-	-	-	-
13e / Mobile Base Station			0.181	3	0.543	0.177	2	0.354	-	-	-	0.196	5	0.982	-	-	-	0.196	5	0.982
13f / Ancillary Items			-	-	-	-	-	-	-	-	-	-	-	0.331	-	-	-	-	-	0.331
13g / Prior Year Funding			0.621	26	16.152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 13. Radio Integration System			-	-	21.304	-	-	2.042	-	-	7.786	-	-	4.323	-	-	-	-	-	4.323
14. Blue Force Tracking																				
14a / Blue Force Tracking Devices			0.011	108	1.218	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14b / SHOUT-TS1			0.001	691	0.716	0.001	62	0.053	-	-	-	0.001	100	0.100	-	-	-	0.001	100	0.100
14c / Cottonmouth			0.010	228	2.250	-	-	-	0.008	68	0.572	-	-	-	-	-	-	-	-	-
14d / Riverjack Tracker (RJT)			0.005	1,535	7.951	0.006	518	3.119	0.015	441	6.689	0.008	160	1.280	-	-	-	0.008	160	1.280
14e / Lightning Bolt Handheld (LBHH)			-	-	-	0.010	16	0.159	0.010	16	0.156	0.010	16	0.156	-	-	-	0.010	16	0.156
14f / SHOUT-TS1S			-	-	-	-	-	-	0.003	608	1.841	0.003	500	1.514	-	-	-	0.003	500	1.514
14g / PUCK			-	-	-	-	-	-	0.002	250	0.415	0.002	67	0.111	-	-	-	0.002	67	0.111
Subtotal: 14. Blue Force Tracking			-	-	12.134	-	-	3.411	-	-	9.672	-	-	3.161	-	-	-	-	-	3.161
Total			-	-	966.417	-	-	287.513	-	-	458.499	-	-	298.480	-	-	37.512	-	-	335.992

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

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<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2020 United States Special Operations Command		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 02 / 4	<b>P-1 Line Item Number / Title:</b> 0204WARSYS / WARRIOR SYSTEMS <\$5M	<b>Aggregated Items Title:</b> WARRIOR SYSTEMS <\$5M

**Footnotes:**

(1) Unit Cost for FY18 and FY19 lowered to \$147K per system due to Army/SOCOM total purchase of 770 Modi systems within 90 day ordering window. Unit Cost in FY20 is \$252K due to ordering quantity of 51 Modi systems.

(2) Ancillary equipment includes Modi Vehicle Power Modules (VPM), Modi backpacks, and Egon Master Modules.

<sup>(3)</sup> OCO Ancillary equipment includes Modi Vehicle Power Modules (VPM) and Modi backpacks.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs							<b>P-1 Line Item Number / Title:</b> 0206CMR / COMBAT MISSION REQUIREMENTS					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):				<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> N/A				
<b>Line Item MDAP/MAIS Code:</b> 0000												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	488.757	19.570	29.408	19.702	10.000	29.702	30.100	20.513	20.938	21.426	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	488.757	19.570	29.408	19.702	10.000	29.702	30.100	20.513	20.938	21.426	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>488.757</b>	<b>19.570</b>	<b>29.408</b>	<b>19.702</b>	<b>10.000</b>	<b>29.702</b>	<b>30.100</b>	<b>20.513</b>	<b>20.938</b>	<b>21.426</b>	<b>Continuing</b>	<b>Continuing</b>
<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> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b> 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 P-1 line item includes \$10.000 million of FY2020 direct Overseas Contingency Operations funding.												

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command								<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs						<b>P-1 Line Item Number / Title:</b> 0206CMR / COMBAT MISSION REQUIREMENTS				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):				<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> N/A			
<b>Line Item MDAP/MAIS Code:</b> 0000										
Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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				- / 488.757	- / 19.570	- / 29.408	- / 19.702	- / 10.000	- / 29.702
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 488.757</b>	<b>- / 19.570</b>	<b>- / 29.408</b>	<b>- / 19.702</b>	<b>- / 10.000</b>	<b>- / 29.702</b>
<small>*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.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										
<p><b>Justification:</b></p> <p>FY 2020 PROGRAM JUSTIFICATION: Funding procures various equipment to rectify emergent critical equipment shortfalls identified by Geographical Combatant Commanders (GCCs), and submitted and approved through the CMNS process or directed by Commander, USSOCOM.</p> <p>FY 2020 OVERSEAS CONTINGENCY OPERATIONS 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.</p>										

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 United States Special Operations Command															Date: March 2019					
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 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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			-	-	-	-	-	0.042	-	-	29.408	-	-	19.702	-	-	-	-	-	19.702
2 / Critical Emergent Combat Mission Need - Overseas Contingency Operations (OCO)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.000	-	-	10.000
Subtotal: Combat Mission Needs Requirements			-	-	-	-	-	0.042	-	-	29.408	-	-	19.702	-	-	10.000	-	-	29.702
Purpose Build Tactical Vehicles																				
1 / Mobility Platform			-	-	-	0.570	6	3.419	-	-	-	-	-	-	-	-	-	-	-	-
2 / AN-PRC 117G A-Kits			-	-	-	0.004	45	0.180	-	-	-	-	-	-	-	-	-	-	-	-
3 / Special Speakers			-	-	-	0.001	45	0.054	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Purpose Build Tactical Vehicles			-	-	-	-	-	3.653	-	-	-	-	-	-	-	-	-	-	-	-
Vehicle-Borne Improvised Explosive Devices (VBIEDS)																				
1 / VBIEDS Integration on platform			-	-	0.470	-	-	0.165	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Vehicle-Borne Improvised Explosive Devices (VBIEDS)			-	-	0.470	-	-	0.165	-	-	-	-	-	-	-	-	-	-	-	-
Blue Force Trackers (BFT)																				
1 / Nano-Shouts			-	-	-	0.001	162	0.162	-	-	-	-	-	-	-	-	-	-	-	-
2 / River Jack Tracking Systems			-	-	-	0.008	212	1.700	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Blue Force Trackers (BFT)			-	-	-	-	-	1.862	-	-	-	-	-	-	-	-	-	-	-	-
Tactical Unmanned Aerial Surveillance Systems																				
1 / Stalkers			-	-	-	1.826	6	10.955	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Tactical Unmanned Aerial Surveillance Systems			-	-	-	-	-	10.955	-	-	-	-	-	-	-	-	-	-	-	-
Remote and Assist Virtual Accompany Kits (RAA-VAK)																				
RAA-VAK			0.046	20	0.916	0.046	63	2.893	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Remote and Assist Virtual Accompany Kits (RAA-VAK)			-	-	0.916	-	-	2.893	-	-	-	-	-	-	-	-	-	-	-	-
Prior Year Costs																				
1 / Prior Year Costs			-	-	487.371	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Prior Year Costs			-	-	487.371	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	488.757	-	-	19.570	-	-	29.408	-	-	19.702	-	-	10.000	-	-	29.702
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	<b>P-1 Line Item Number / Title:</b> 0607GVAS / GLOBAL VIDEO SURVEILLANCE ACTIVITIES
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	68.066	3.589	6.281	4.787	-	4.787	4.901	5.022	5.146	5.286	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	68.066	3.589	6.281	4.787	-	4.787	4.901	5.022	5.146	5.286	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	68.066	3.589	6.281	4.787	-	4.787	4.901	5.022	5.146	5.286	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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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs							<b>P-1 Line Item Number / Title:</b> 0607OEI / OPERATIONAL ENHANCEMENTS INTELLIGENCE					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):				<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> N/A				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	325.012	25.087	29.314	8.175	7.594	15.769	24.474	23.856	24.199	24.610	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	325.012	25.087	29.314	8.175	7.594	15.769	24.474	23.856	24.199	24.610	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>325.012</b>	<b>25.087</b>	<b>29.314</b>	<b>8.175</b>	<b>7.594</b>	<b>15.769</b>	<b>24.474</b>	<b>23.856</b>	<b>24.199</b>	<b>24.610</b>	<b>Continuing</b>	<b>Continuing</b>
<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> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b> 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 Overseas Contingency Operations (OCO) funding in FY18 and requested OCO funding in FY2019. This P-1 includes \$7.594 million of FY2020 enduring OCO funding.												
<b>Justification:</b> 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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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 United States Special Operations Command										<b>Date:</b> March 2019		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs							<b>P-1 Line Item Number / Title:</b> 2143369000 / OPERATIONAL ENHANCEMENTS					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):				<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> 1160408BB				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	5,739.005	499.017	453.572	282.532	45.194	327.726	308.015	306.901	318.471	341.132	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	5,739.005	499.017	453.572	282.532	45.194	327.726	308.015	306.901	318.471	341.132	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>5,739.005</b>	<b>499.017</b>	<b>453.572</b>	<b>282.532</b>	<b>45.194</b>	<b>327.726</b>	<b>308.015</b>	<b>306.901</b>	<b>318.471</b>	<b>341.132</b>	<b>Continuing</b>	<b>Continuing</b>
<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> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b> Details provided under separate cover. This P-1 Line Item received FY 2018 and FY 2019 Overseas Contingency Operations (OCO) funding and requested OCO funding in FY 2020.												
<b>Justification:</b> Details provided under separate cover.												

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