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# Department of Defense Fiscal Year (FY) 2024 Budget Estimates

March 2023



**Army**

*Justification Book Volume 1 of 1*

***Aircraft Procurement, Army***

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Army • Budget Estimates FY 2024 • Procurement

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## Cost Statement

The following Justification Books were prepared at a cost of \$474,495.00: Aircraft (ACFT), Missile (MSLS), Weapons & Tracked Combat Vehicles (WTCV), Ammunition (AMMO), Other Procurement Army (OPA) 1 - Tactical & Support Vehicles, Other Procurement Army (OPA) 2 – Communications & Electronics, Other Procurement Army (OPA) 3 & 4 - Other Support Equipment & Spares, Research, Development, Test and Evaluation (RDTE) for: Budget Activity 1, Budget Activity 2, Budget Activity 3, Budget Activity 4, Budget Activity 5A, Budget Activity 5B, Budget Activity 5C, Budget Activity 6, Budget Activity 7, and Budget Activity 8.

# AIRCRAFT PROCUREMENT, ARMY

## Appropriation Language

For construction, procurement, production, and modification of aircraft, equipment, including ordnance, spare parts, and accessories therefore; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefore, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$3,012,440,000 to remain available for obligation until September 30, 2026.

Fiscal Year (FY) 2024 Overseas Operations Costs funding accounted for in the Base budget include:

- Combat or direct combat support expenses that discontinue once combat operations end at major contingency locations \$15,775,000
- In-theater and in-CONUS expenses that remain after combat operations cease and have been previously funded in OCO \$4,567,000

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Department of Defense  
FY 2024 President's Budget  
Exhibit P-1 FY 2024 President's Budget  
Total Obligational Authority  
DoD Component Summary  
(Dollars in Thousands)

Mar 2023

<u>Appropriation Summary</u>	FY 2022 Actuals	FY 2023 Less Supplementals Enactment	FY 2023 Supplementals Enactment	FY 2023 Total Enactment	FY 2024 Request
Aircraft Procurement, Army	3,200,197	3,847,834		3,847,834	3,012,440
Total Department of the Army	3,200,197	3,847,834		3,847,834	3,012,440
 Grand Total Department of Defense	 3,200,197	 3,847,834		 3,847,834	 3,012,440

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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 Total Obligational Authority  
 Army Summary  
 (Dollars in Thousands)

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<u>Appropriation Summary</u>	FY 2022 Actuals	FY 2023 Less Supplementals Enactment	FY 2023 Supplementals Enactment	FY 2023 Total Enactment	FY 2024 Request
Aircraft Procurement, Army	3,200,197	3,847,834		3,847,834	3,012,440
<b>Total Department of the Army</b>	<b>3,200,197</b>	<b>3,847,834</b>		<b>3,847,834</b>	<b>3,012,440</b>

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).



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2031A BA Summary  
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Appropriation: Aircraft Procurement, Army	FY 2022 Actuals	FY 2023 Less Supplementals Enactment	FY 2023 Supplementals Enactment	FY 2023 Total Enactment	FY 2024 Request
<b><u>Budget Activity</u></b>					
01. Aircraft	2,151,084	2,612,586		2,612,586	2,038,531
02. Modification of aircraft	521,721	599,628		599,628	401,037
04. Support equipment and facilities	527,392	635,620		635,620	572,872
<b>Total Aircraft Procurement, Army</b>	<b>3,200,197</b>	<b>3,847,834</b>		<b>3,847,834</b>	<b>3,012,440</b>

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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Appropriation: 2031 Aircraft Procurement, Army				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line		Ident	Se						
No	Item Nomenclature	Code	c	Quantity	Cost	Quantity	Cost	Quantity	Cost
<u>Budget Activity 01: Aircraft</u>									
Fixed Wing									
1	Utility F/W Aircraft		U		6,000				
2	MQ-1 UAV	A	U			12	350,000		
3	Future UAS Family	A	U						
4	SMALL UNMANNED AIRCRAFT SYSTEM	A	U		16,005				
5	SMALL UNMANNED AIRCRAFT SYSTEMS	A	U				10,598		
Rotary									
6	AH-64 Apache Block IIIA Reman	A	U	29	(638,596)	33	(716,891)		
	Less: Advance Procurement (PY)				(-169,460)		(-192,230)		
	Advance Procurement (CY)				192,230		169,218		
7	AH-64 Apache Block IIIA Reman								
	C (FY 2022 for FY 2023) (M)				(192,230)				
	C (FY 2023 for FY 2024) (M)						(169,218)		

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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## Appropriation: 2031 Aircraft Procurement, Army

Line		Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request			
No	Item Nomenclature			Quantity	Cost	Quantity	Cost		
<u>Budget Activity 01: Aircraft</u>									
Fixed Wing									
1	Utility F/W Aircraft		U						
2	MQ-1 UAV	A	U	12	350,000				
3	Future UAS Family	A	U				53,453		
4	SMALL UNMANNED AIRCRAFT SYSTEM	A	U						
5	SMALL UNMANNED AIRCRAFT SYSTEMS	A	U		10,598		20,769		
Rotary									
6	AH-64 Apache Block IIIA Reman	A	U	33	(716,891)	42	(887,796)		
	Less: Advance Procurement (PY)				(-192,230)		(-169,218)		
	Advance Procurement (CY)				169,218		110,360		
7	AH-64 Apache Block IIIA Reman								
	C (FY 2022 for FY 2023) (M)								
	C (FY 2023 for FY 2024) (M)				(169,218)				

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Appropriation: 2031 Aircraft Procurement, Army				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line		Ident	Se						
No	Item Nomenclature	Code	c	Quantity	Cost	Quantity	Cost	Quantity	Cost
	C (FY 2024 for FY 2025) (M)								
8	UH-60 Blackhawk M Model (MYP)		U	31	(909,190)	35	(1,069,474)		
	Less: Advance Procurement (PY)				(-87,427)		(-146,068)		
	Advance Procurement (CY)				146,068		68,147		
9	UH-60 Blackhawk M Model (MYP)								
	C (FY 2022 for FY 2023) (M)				(146,068)				
	C (FY 2023 for FY 2024) (M)						(68,147)		
	C (FY 2024 for FY 2025) (M)								
10	UH-60 Black Hawk L and V Models	A	U	24	166,205	28	178,658		
11	CH-47 Helicopter	A	U	8	(333,490)	9	(387,708)		
	Less: Advance Procurement (PY)				(-18,372)		(-18,559)		
	Advance Procurement (CY)				18,559		18,749		
12	CH-47 Helicopter								
	C (FY 2022 for FY 2023) (M)				(18,559)				
	C (FY 2023 for FY 2024) (M)						(18,749)		
	C (FY 2024 for FY 2025) (M)								
Total Aircraft				92	2,151,084	117	2,612,586		

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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## Appropriation: 2031 Aircraft Procurement, Army

Line		Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature			Quantity	Cost	Quantity	Cost
	C (FY 2024 for FY 2025) (M)						(110,360)
8	UH-60 Blackhawk M Model (MYP)		U	35	(1,069,474)	24	(736,405)
	Less: Advance Procurement (PY)				(-146,068)		(-68,147)
	Advance Procurement (CY)				68,147		92,494
9	UH-60 Blackhawk M Model (MYP)						
	C (FY 2022 for FY 2023) (M)						
	C (FY 2023 for FY 2024) (M)				(68,147)		
	C (FY 2024 for FY 2025) (M)						(92,494)
10	UH-60 Black Hawk L and V Models	A	U	28	178,658	26	153,196
11	CH-47 Helicopter	A	U	9	(387,708)	6	(221,236)
	Less: Advance Procurement (PY)				(-18,559)		(-18,749)
	Advance Procurement (CY)				18,749		18,936
12	CH-47 Helicopter						
	C (FY 2022 for FY 2023) (M)						
	C (FY 2023 for FY 2024) (M)				(18,749)		
	C (FY 2024 for FY 2025) (M)						(18,936)
Total Aircraft				117	2,612,586	98	2,038,531

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Appropriation: 2031 Aircraft Procurement, Army				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line				Ident	Se				
No	Item	Nomenclature		Code	c	Quantity	Cost	Quantity	Cost
<u>Budget Activity 02: Modification of aircraft</u>									
Modification of Aircraft									
13	MQ-1	PAYLOAD		A	U			72,700	
14	Gray Eagle	Mods2		A	U		47,909	133,038	
15	MULTI SENSOR	ABN RECON			U		120,910	21,380	
16	AH-64	MODS		A	U		118,560	85,840	
17	CH-47	Cargo Helicopter Mods (MYP)			U		21,918	49,919	
18	GRCS	SEMA MODS		A	U		2,762		
19	ARL	SEMA MODS		A	U		14,437		
20	EMARSS	SEMA MODS		A	U		1,568	1,591	
21	Utility/Cargo	Airplane Mods			U		8,530		
22	Utility	Helicopter Mods			U		25,326	39,346	

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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## Appropriation: 2031 Aircraft Procurement, Army

## FY 2023 Total Enactment

## FY 2024 Request

Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost
<u>Budget Activity 02: Modification of aircraft</u>							
Modification of Aircraft							
13	MQ-1 PAYLOAD	A	U		72,700		13,650
14	Gray Eagle Mods2	A	U		133,038		14,959
15	MULTI SENSOR ABN RECON		U		21,380		
16	AH-64 MODS	A	U		85,840		113,127
17	CH-47 Cargo Helicopter Mods (MYP)		U		49,919		20,689
18	GRCS SEMA MODS	A	U				
19	ARL SEMA MODS	A	U				
20	EMARSS SEMA MODS	A	U		1,591		
21	Utility/Cargo Airplane Mods		U				
22	Utility Helicopter Mods		U		39,346		35,879

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Appropriation: 2031 Aircraft Procurement, Army				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line				Ident	Se				
No	Item	Nomenclature		Code	c	Quantity	Cost	Quantity	Cost
23	Network And Mission Plan			A	U		29,206		42,450
24	Comms, Nav Surveillance			A	U		58,117		72,387
25	Degraded Visual Environment			A	U				
26	Aviation ASSURED PNT			A	U		45,862		66,294
27	GATM Rollup			A	U		16,776		14,683
28	RQ-7 UAV MODS			A	U		6,000		
29	UAS MODS			A	U		3,840		
Total Modification of aircraft							521,721		599,628

Budget Activity 04: Support equipment and facilities

## Ground Support Avionics

30	Aircraft Survivability Equipment				U		62,961		167,927
31	Survivability CM				U		5,104		884
32	CMWS			A	U		148,570		107,112

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).



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## Appropriation: 2031 Aircraft Procurement, Army

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
23	Network And Mission Plan	A	U		42,450		32,418
24	Comms, Nav Surveillance	A	U		72,387		74,912
25	Degraded Visual Environment	A	U				16,838
26	Aviation ASSURED PNT	A	U		66,294		67,383
27	GATM Rollup	A	U		14,683		8,924
28	RQ-7 UAV MODS	A	U				
29	UAS MODS	A	U				2,258
Total Modification of aircraft					599,628		401,037

Budget Activity 04: Support equipment and facilities

## Ground Support Avionics

30	Aircraft Survivability Equipment		U		167,927		161,731
31	Survivability CM		U		884		6,526
32	CMWS	A	U		107,112		72,041

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Appropriation: 2031 Aircraft Procurement, Army				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost
33	Common Infrared Countermeasures (CIRCM)	A	U	110	234,012	125	284,334		
Other Support									
34	Common Ground Equipment		U		13,561		20,823		
35	Aircrew Integrated Systems		U		41,425		25,773		
36	Air Traffic Control		U		21,759		27,492		
37	Launcher, 2.75 Rocket		U				1,275		
Total Support equipment and facilities				110	527,392	125	635,620		
Total Aircraft Procurement, Army				202	3,200,197	242	3,847,834		

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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## Appropriation: 2031 Aircraft Procurement, Army

Line		Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature			Quantity	Cost	Quantity	Cost
33	Common Infrared Countermeasures (CIRCM)	A	U	125	284,334	125	261,384
Other Support							
34	Common Ground Equipment		U		20,823		25,752
35	Aircrew Integrated Systems		U		25,773		22,097
36	Air Traffic Control		U		27,492		21,216
37	Launcher, 2.75 Rocket		U		1,275		2,125
Total Support equipment and facilities				125	635,620	125	572,872
Total Aircraft Procurement, Army				242	3,847,834	223	3,012,440

Note: 6773A05009 / UH-60 Black Hawk L and V Models change in quantities of FY 2023 Enacted (21) was driven by the inflation impacts, which resulted in increases to the unit costs.

Note: 5757A05111 / AH-64E change in quantities of FY 2023 Enacted (33) was driven by the inflation impacts, which resulted in increases to the unit costs.

Note: 6775A05101 / CH-47 change in quantities of FY 2023 Enacted (9) was driven by the inflation impacts, which resulted in increases to the unit costs.



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***Appropriation 2031A: Aircraft Procurement, Army***

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17	02	10	3264AA0252	CH-47 Cargo Helicopter Mods (MYP).....	Volume 1 - 114
18	02	10	3403A02111	GRCS SEMA MODS.....	Volume 1 - 135
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25	02	10	8660A00713	Degraded Visual Environment.....	Volume 1 - 200
26	02	10	8662A01006	Aviation ASSURED PNT.....	Volume 1 - 207
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***Appropriation 2031A: Aircraft Procurement, Army***

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34	04	30	5212AZ3100	Common Ground Equipment.....	Volume 1 - 285
35	04	30	6380AZ3110	Aircrew Integrated Systems.....	Volume 1 - 289
36	04	30	6818AA0050	Air Traffic Control.....	Volume 1 - 293
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GRCS SEMA MODS	3403A02111	18	02	10.....	Volume 1 - 135
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MULTI SENSOR ABN RECON	1036AZ2001	15	02	10.....	Volume 1 - 97
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RQ-7 UAV MODS	9555A00018	28	02	10.....	Volume 1 - 232
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SMALL UNMANNED AIRCRAFT SYSTEMS	9678A12500	5	01	10.....	Volume 1 - 11
Survivability CM	5044AZ3507	31	04	10.....	Volume 1 - 258
UAS MODS	9556A01002	29	02	10.....	Volume 1 - 234
UH-60 Black Hawk L and V Models	6773A05009	10	01	20.....	Volume 1 - 53
UH-60 Blackhawk M Model (MYP)	6771AA0005	8	01	20.....	Volume 1 - 37
UH-60 Blackhawk M Model (MYP), Advance Procurement	6771AA0005	9	01	20.....	Volume 1 - 49
Utility F/W Aircraft	9440A11300	1	01	10.....	Volume 1 - 1
Utility Helicopter Mods	6949AA0480	22	02	10.....	Volume 1 - 142
Utility/Cargo Airplane Mods	4194AA0270	21	02	10.....	Volume 1 - 141

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Army • Budget Estimates FY 2024 • Procurement  
Exhibit P-1M, Procurement Programs - Modification Summary  
(Listing by Model)

**Lookup Matrix by Model**

Model:	UH-60 A and L	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
A05009	UH-60 Black Hawk L and V Models	No

Model:	N/A	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
A00002	Communications Modernization (Link 16 )	No

Model:	Longbow Apache	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA6606	AH-64 APACHE MODS	No

Model:	CH-47	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0252	CH-47 Cargo Helicopter Mods (MYP)	No

Model:	UH-60	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0492	UTILITY HELICOPTER MODS	Yes

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Exhibit P-1M, Procurement Programs - Modification Summary  
(Listing by Model)

Model:	UH-72	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0492	UTILITY HELICOPTER MODS	Yes
AA0712	Network And Mission Plan	Yes

Model:	AH-64D/E	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0712	Network And Mission Plan	Yes
AA0723	Comms, Nav Surveillance	Yes
A01006	Aviation ASSURED PNT	Yes

Model:	CH-47D/F	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0712	Network And Mission Plan	Yes

Model:	UH-60A/L/M/Q/V	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0712	Network And Mission Plan	Yes

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Army • Budget Estimates FY 2024 • Procurement  
Exhibit P-1M, Procurement Programs - Modification Summary  
(Listing by Model)

Model:	HH-60L/M	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0712	Network And Mission Plan	Yes

Model:	EMARSS	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0712	Network And Mission Plan	Yes

Model:	UAS	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0712	Network And Mission Plan	Yes
AA0723	Comms, Nav Surveillance	Yes
A01006	Aviation ASSURED PNT	Yes
AA0704	GATM - Rotary Wing Aircraft	Yes

Model:	UH/HH-60A/L	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0723	Comms, Nav Surveillance	Yes

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Exhibit P-1M, Procurement Programs - Modification Summary  
(Listing by Model)

Model:	UH/HH/MH-60M	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0723	Comms, Nav Surveillance	Yes
A01006	Aviation ASSURED PNT	Yes

Model:	CH-47D	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0723	Comms, Nav Surveillance	Yes
A01006	Aviation ASSURED PNT	Yes

Model:	CH/MH-47F	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0723	Comms, Nav Surveillance	Yes
A01006	Aviation ASSURED PNT	Yes

Model:	LUH	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0723	Comms, Nav Surveillance	Yes

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Exhibit P-1M, Procurement Programs - Modification Summary  
(Listing by Model)

Model:	HH-60M/MH-60M/UH-60M		
P-3a Individual Modifications			
Modification Number	Modification Title		Applies to Multiple Models
A00713	Degraded Visual Environment		No

Model:	UH/HH-60A/L/V	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
A01006	Aviation ASSURED PNT	Yes

Model:	FW	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
A01006	Aviation ASSURED PNT	Yes

Model:	UH&HH60A/L	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0704	GATM - Rotary Wing Aircraft	Yes

Model:	CH47D/F	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0704	GATM - Rotary Wing Aircraft	Yes

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Army • Budget Estimates FY 2024 • Procurement  
Exhibit P-1M, Procurement Programs - Modification Summary  
(Listing by Model)

Model:	UH60M	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0704	GATM - Rotary Wing Aircraft	Yes

Model:	MH47G	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0704	GATM - Rotary Wing Aircraft	Yes

Model:	MH60M	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0704	GATM - Rotary Wing Aircraft	Yes

Model:	A/MH6	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0704	GATM - Rotary Wing Aircraft	Yes

Model:	AH64A/D/E	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
AA0704	GATM - Rotary Wing Aircraft	Yes

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Army • Budget Estimates FY 2024 • Procurement  
Exhibit P-1M, Procurement Programs - Modification Summary  
(Funding for Modifications)

**Funding (\$ M)**

P-3a Modification Title	PYS	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
<b>Exhibit P-3a</b>										
UH-60 Black Hawk L and V Models	10,770.038	166.205	178.658	153.196	-	153.196	157.352	202.776	202.836	202.422
Communications Modernization (Link 16 )	308.421	123.143	133.038	14.959	-	14.959	3.916	5.138	5.668	10.782
AH-64 APACHE MODS	9,153.504	118.560	85.840	113.127	-	113.127	46.724	96.740	95.879	70.368
CH-47 Cargo Helicopter Mods (MYP)	11,097.486	21.918	49.919	20.689	-	20.689	15.794	17.947	17.953	17.916
UTILITY HELICOPTER MODS	1,742.847	25.326	39.346	35.879	-	35.879	35.375	37.662	38.391	37.943
Network And Mission Plan	1,027.769	29.206	42.450	32.418	-	32.418	33.464	41.135	73.524	75.162
Comms, Nav Surveillance	1,142.817	58.117	72.387	74.912	-	74.912	62.802	37.707	37.714	37.637
Degraded Visual Environment	82.694	-	-	16.838	-	16.838	-	-	-	-
Aviation ASSURED PNT	53.509	45.862	66.294	67.383	-	67.383	58.478	60.061	60.075	59.953
GATM - Rotary Wing Aircraft	777.480	16.776	14.683	8.924	-	8.924	4.956	4.997	-	-
<b>Totals (Total Obligation Authority)</b>										
<b>Total Obligation Authority</b>	<b>36,156.565</b>	<b>605.113</b>	<b>682.615</b>	<b>538.325</b>	<b>0.000</b>	<b>538.325</b>	<b>418.861</b>	<b>504.163</b>	<b>532.040</b>	<b>512.183</b>

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing							P-1 Line Item Number / Title: 9440A11300 / Utility F/W Aircraft						
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: N/A													
Resource Summary		Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)		41	-	-	-	-	-	-	-	-	-	-	41
Gross/Weapon System Cost (\$ in Millions)		449.287	6.000	-	-	-	-	-	-	-	-	-	455.287
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		449.287	6.000	-	-	-	-	-	-	-	-	-	455.287
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)		449.287	6.000	-	-	-	-	-	-	-	-	-	455.287
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)													
Initial Spares (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)		-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)		10,958.220	-	-	-	-	-	-	-	-	-	-	11,104.561
Description: The budget line funds the acquisition of the Army Fixed Wing Aircraft in support of mission requirements, training, and other support activities. Fixed Wing Aircraft will be capable of self-deploying over extended ranges; provide CONUS/OCONUS time sensitive movement of key personnel and equipment; support to homeland defense/security operations; support to civil and military authorities. This budget line also provides for the acquisition of new commercial-off-the-shelf (COTS), modified COTS, and non-developmental Fixed Wing Aircraft systems including used aircraft systems.													
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028			
Army	Quantity	-	-	-	-	-	-	-	-	-			
	Total Obligation Authority	6.000	-	-	-	-	-	-	-	-			
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-			
	Total Obligation Authority	6.000	-	-	-	-	-	-	-	-			
Justification: FY 2023 base procurement funding for this line is \$0.000 million.  FY 2024 base procurement funding for this line is \$0.000 million.  In accordance with section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110 - 181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.													

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing							P-1 Line Item Number / Title: 9670A00005 / MQ-1 UAV						
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: 0305204A, 0305219A					
Line Item MDAP/MAIS Code: N/A													
Resource Summary		Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)		286	0	12	-	-	-	-	-	-	-	-	298
Gross/Weapon System Cost (\$ in Millions)		3,861.729	-	350.000	-	-	-	-	-	-	-	-	4,211.729
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		3,861.729	-	350.000	-	-	-	-	-	-	-	-	4,211.729
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)		3,861.729	-	350.000	-	-	-	-	-	-	-	-	4,211.729
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)													
Initial Spares (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)		-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)		13,502.549	-	29,166.667	-	-	-	-	-	-	-	-	14,133.319
Description:													
The MQ-1C Gray Eagle provides the Army with an Extended Range, Multi-Purpose (ERMP) Unmanned Aircraft System (UAS) in Multi-Domain Operations (MDO); capable of executing reconnaissance, security, attack, and intelligence collection missions in Large Scale Combat Operations (LSCO). Modernized sensors/payloads include an Electro-Optical/Infrared/Laser Designator (EO/IR/LD), Synthetic Aperture Radar/ Moving Target Indicator (SAR/MTI), Signals Intelligence (SIGINT), and HELLFIRE missiles providing long range, deep sense/attack with standoff.													
The MQ-1C Gray Eagle system consists of Aircraft (Modernized Extended Range), Single/Multi-Band Satellite Communication (SATCOM) Air Data Terminals (SB/MB-SADTs), Ground Expeditionary Equipment (Control Stations), Universal Ground Data Terminals (UGDTs), Single/Multi-Band SATCOM Ground Data Terminals (SB/MB-SGDTs), and Ground Based Sense And Avoid (GBSAA). Payloads include Electro-Optical/Infrared Laser Range Finder/Laser Designator (EO/IR/LD HD), Synthetic Aperture Radar/Ground Moving Target Indicator (SAR/GMTI), and Communication Relay to provide an operational ready capability.													
4 May 2017, the Army approved an Army Acquisition Objective (AAO) adjustment to bring the total requirement to 204 MQ-1C Gray Eagle aircraft.													
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028			
ANG	Quantity	-	12	-	-	-	-	-	-	-			
	Total Obligation Authority	-	350.000	-	-	-	-	-	-	-			
Total: Secondary Distribution	Quantity	-	12	-	-	-	-	-	-	-			
	Total Obligation Authority	-	350.000	-	-	-	-	-	-	-			
Justification:													
FY2023 Congressional Add of \$350.000M provides the operational and support equipment to the Army National Guard with an initial operating capability for Gray Eagle.													

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing						P-1 Line Item Number / Title: 9672A00510 / Future UAS Family						
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A					Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	4	-	4	134	327	348	322	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	1.100	-	-	53.453	-	53.453	153.394	248.420	248.589	225.272	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1.100	-	-	53.453	-	53.453	153.394	248.420	248.589	225.272	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1.100	-	-	53.453	-	53.453	153.394	248.420	248.589	225.272	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	13,363.250	-	13,363.250	1,144.731	759.694	714.336	699.602	Continuing	Continuing
Description: BLI 9672A00510 / Future UAS Family is a new start in FY 2024.  The Future Unmanned Aircraft System (FUAS) is a critical system in the cross-domain capabilities concept that will employ MDO capabilities at all echelons and allow ground based forces to project power from land into other domains to defeat highly capable enemies, secure terrain, and consolidate gains. FUAS encompasses an array of capabilities from platoon soldiers to Division Commanders. The Army Requirements Oversight Council (AROC) approved the FUAS Initial Capabilities Document (ICD) on 6 Mar 2019. The FUAS ICD includes requirements for Future Tactical UAS (FTUAS), Air Launched Effects (ALE), and Scalable Control Interface (SCI). Current FTUAS efforts are based on requirements from AROC approved Abbreviated Capability Development Document (A-CDD) signed 12 August 2021. Manned, optionally-manned, and unmanned systems will penetrate defense-in-depth environments by employing ALE with teaming and swarming effects to detect, decoy, jam radar and communications, conduct cyber-attack, spoof and jam Global Positioning System (GPS), and kinetic engagement.  The Future Vertical Lift Cross Functional Team (FVL CFT) FUAS line of effort is comprised of multiple components including the FTUAS for the Brigade Combat Team (BCT), and ALE. The FTUAS seeks to replace the RQ-7Bv2 Shadow assets within the BCTs. Key attributes of the FTUAS BCT focus on Rapid Deployability, Expeditionary Maneuver, and Mobility for adaptive and agile operations. FTUAS will consist of an aircraft subsystem that will include the airframe, propulsion, avionics, communications, navigation, and software systems; aircraft-specific ground support equipment including power generation, transportation, or command and control equipment; aircraft software; and required engineering, logistics, programmatic support.  ALE extends tactical and operational reach, lethality, and protection to the advanced team as an attritable or optionally recoverable aerial capability that detects, identifies, locates, and reports threats; represents a credible decoy; disrupts threat communication, targeting and acquisition systems; and delivers lethal and non-lethal effects against those threats across cross-domain capabilities. Current ALE efforts are based on requirements from AROC approved A-CDD signed 28 May 2020.												
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028		
Army	Quantity	-	-	4	-	4	134	327	348	322		
	Total Obligation Authority	-	-	53.453	-	53.453	153.394	248.420	248.589	225.272		
Total:	Quantity	-	-	4	-	4	134	327	348	322		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing					P-1 Line Item Number / Title: 9672A00510 / Future UAS Family					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A				Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	-	-	53.453	-	53.453	153.394	248.420	248.589	225.272

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing					P-1 Line Item Number / Title: 9672A00510 / Future UAS Family					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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	A01311 / Future Tactical Unmanned Aircraft System (TUAS)	P-5a			- / 1.100	- / -	- / -	4 / 53.453	- / -	4 / 53.453
P-40	Total Gross/Weapon System Cost				- / 1.100	- / -	- / -	4 / 53.453	- / -	4 / 53.453
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
FY 2024 Procurement funding for Future UAS Family is \$53.453M.

Future Tactical Unmanned Aircraft System (FTUAS) funding includes funds for the procurement of 4 FTUAS systems.

FY 2027 program funding did not include quantities for ALE Large. FY 2028 program funding includes quantities for FTUAS, ALE Small and ALE Large.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Footnotes:  
The correct Quantity for FY 2028 is 157.  
The correct Gross/Weapon System Unit Cost for FY 2028 is \$1,434.854K.

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Exhibit P-5, Cost Analysis: PB 2024 Army												Date: March 2023						
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 10						P-1 Line Item Number / Title: 9672A00510 / Future UAS Family						Item Number / Title [DODIC]: A01311 / Future Tactical Unmanned Aircraft System (TUAS)						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total				
Procurement Quantity ( <i>Units in Each</i> )				-		-		-		4		-		4				
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				1.100		-		-		53.453		-		53.453				
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
Net Procurement (P-1) ( <i>\$ in Millions</i> )				1.100		-		-		53.453		-		53.453				
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
Total Obligation Authority ( <i>\$ in Millions</i> )				1.100		-		-		53.453		-		53.453				
(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 Thousands</i> )				-		-		-		13,363.250		-		13,363.250				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Non Recurring Cost																		
FTUAS System <sup>(†)</sup>	-	-	1.100	-	-	-	-	-	-	11,560.750	4	46.243	-	-	-	11,560.750	4	46.243
Subtotal: Non Recurring Cost	-	-	1.100	-	-	-	-	-	-	-	-	46.243	-	-	-	-	-	46.243
Subtotal: Flyaway Cost	-	-	1.100	-	-	-	-	-	-	-	-	46.243	-	-	-	-	-	46.243
Package Fielding Cost																		
Non Recurring Cost																		
New Equipment Training	-	-	-	-	-	-	-	-	-	466.250	4	1.865	-	-	-	466.250	4	1.865
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	1.865	-	-	-	-	-	1.865
Subtotal: Package Fielding Cost	-	-	-	-	-	-	-	-	-	-	-	1.865	-	-	-	-	-	1.865
Support - Program Management Cost																		
Government Management	-	-	-	-	-	-	-	-	-	-	-	5.345	-	-	-	-	-	5.345
Subtotal: Support - Program Management Cost	-	-	-	-	-	-	-	-	-	-	-	5.345	-	-	-	-	-	5.345
Gross/Weapon System Cost	-	-	1.100	-	-	-	-	-	-	13,363.250	4	53.453	-	-	-	13,363.250	4	53.453



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Exhibit P-5, Cost Analysis: PB 2024 Army				Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 10		P-1 Line Item Number / Title: 9672A00510 / Future UAS Family			Item Number / Title [DODIC]: A01311 / Future Tactical Unmanned Aircraft System (TUAS)	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:		
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	-	-	4	-	4
	Total Obligation Authority	-	-	53.453	-	53.453
Total: Secondary Distribution	Quantity	-	-	4	-	4
	Total Obligation Authority	-	-	53.453	-	53.453

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

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Exhibit P-5a, Procurement History and Planning: PB 2024 Army								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 10				P-1 Line Item Number / Title: 9672A00510 / Future UAS Family				Item Number / Title [DODIC]: A01311 / Future Tactical Unmanned Aircraft System (TUAS)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
FTUAS System		2020	TBD / TBD	C / Various	TBD	Jan 2020	Jan 2021	0	0.000	N	Feb 2019	Mar 2019

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## UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing							<b>P-1 Line Item Number / Title:</b> 9675A00010 / SMALL UNMANNED AIRCRAFT SYSTEM					
<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> A12351, 0305232A, 0604101A, 0605205A				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	337.531	16.005	-	-	-	-	-	-	-	-	-	353.536
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	337.531	16.005	-	-	-	-	-	-	-	-	-	353.536
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>337.531</b>	<b>16.005</b>	-	-	-	-	-	-	-	-	-	<b>353.536</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b>												
<p>The Rucksack Portable Unmanned Aircraft System (RPUAS) Family of Small Unmanned Aircraft Systems (FoSUAS) provides the battalion and below ground maneuver elements with an organic, on-demand, asset to develop situational awareness, enhance force protection, and secure routes, points, and areas. The system provides the small unit commander an organic and responsive reconnaissance and targeting capability with real-time Full Motion Video and sensor data. The RPUAS FoSUAS includes a combination of three separate hand-launched mission specific configurable aircraft that do not require an improved launch/recovery. The three separate mission specific configurable Unmanned Aircraft (UA) are the Short Range Reconnaissance (SRR), the Medium Range Reconnaissance (MRR), and the Long Range Reconnaissance (LRR).</p> <p>COVID-19 pandemic impacts resulted in delayed final operational test, which postponed production readiness and Milestone C Production Decision into 1QFY22. The SRR Production Decision was received October 2022. Production OT awarded 19 November 2022. Once contract awarded, Unit Cost increased to \$39.806 in thousands). Actual procurement quantities for FY20 and FY21 total 540 SRR Systems. FY20 funds were also used to mitigate unexpected obsolescence and end of life procurement for critical components of the handheld ground control station in support of SRR. Planned FY22 procurement, based on updated actuals, is 215 SRR Systems.</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	16.005	-	-	-	-	-	-	-	-		
<b>Total:</b> <b>Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-		
	<b>Total Obligation Authority</b>	<b>16.005</b>	-	-	-	-	-	-	-	-		
<b>Justification:</b>												
Justification: FY2024 Base procurement dollars is in the amount of \$0 million. Funding has been realigned, starting in FY23, to Line A12511 Short Range Reconnaissance.												

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing		P-1 Line Item Number / Title: 9675A00010 / SMALL UNMANNED AIRCRAFT SYSTEM
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: A12351, 0305232A, 0604101A, 0605205A
Line Item MDAP/MAIS Code: N/A		
<p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.</p>		

## UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	<b>P-1 Line Item Number / Title:</b> 9678A12500 / SMALL UNMANNED AIRCRAFT 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> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	207	459	-	459	208	204	353	403	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	-	10.598	20.769	-	20.769	20.937	20.550	70.934	96.912	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	-	10.598	20.769	-	20.769	20.937	20.550	70.934	96.912	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	-	<b>10.598</b>	<b>20.769</b>	-	<b>20.769</b>	<b>20.937</b>	<b>20.550</b>	<b>70.934</b>	<b>96.912</b>	<b>Continuing</b>	<b>Continuing</b>

*(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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	51.198	45.248	-	45.248	100.659	100.735	200.946	240.476	Continuing	Continuing

### Description:

The Rucksack Portable Unmanned Aircraft System (RPUAS) Family of Small Unmanned Aircraft Systems (FoSUAS) provides the battalion and below ground maneuver elements with an organic, on-demand, asset to develop situational awareness, enhance force protection, and secure routes, points, and areas. The system provides the small unit commander an organic and responsive reconnaissance and targeting capability with real-time Full Motion Video and sensor data. The RPUAS FoSUAS includes a combination of three separate hand-launched mission specific configurable aircraft that do not require an improved launch/recovery. The three separate mission specific configurable Unmanned Aircraft (UA) are the Short Range Reconnaissance (SRR), the Medium Range Reconnaissance (MRR), and the Long Range Reconnaissance (LRR).

The Short Range Reconnaissance (SRR) (A12511) platform is intended to be an inexpensive, rucksack portable, vertical takeoff landing (VTOL) small unmanned aircraft that provides the platoon with a rapid deployed reconnaissance, surveillance, and target acquisition (RSTA) capability to provide situational awareness beyond the next terrain feature.

Procurement for SRR Tranche 2 begins in FY2025. Tranche 2 is expected to have a higher unit cost than Tranche 1 due to the addition of objective requirements to include nighttime obstacle avoidance, advanced autonomy / Artificial Intelligence, M-Code GPS, and anti-jam / multi-band radio. Additional improved capabilities include Modular Open Systems Approach (MOSA) (i.e., swappable payloads), 45 min flight time, improved handheld GCS, common UAS software, lowered audible signature, reduced weight, cyber hardening, and 5km range. SRR Tranche 2 is the final hardware solution under the 2013 approved requirement and achieves all threshold requirements while pursuing objective requirements.

Procurement for LRR (A12513) begins FY2027. Funds will procure the final hardware design for final operational testing and to prepare for fielding to begin in FY2028.

The MRR (A12512) currently has no funding.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	207	372	-	372	208	204	353	403
	Total Obligation Authority	-	10.598	16.761	-	16.761	20.937	20.550	70.934	96.912
ANG	Quantity	-	-	87	-	87	-	-	-	-
	Total Obligation Authority	-	-	4.008	-	4.008	-	-	-	-
<b>Total:</b>	<b>Quantity</b>	<b>-</b>	<b>207</b>	<b>459</b>	<b>-</b>	<b>459</b>	<b>208</b>	<b>204</b>	<b>353</b>	<b>403</b>

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing					P-1 Line Item Number / Title: 9678A12500 / SMALL UNMANNED AIRCRAFT SYSTEMS					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	-	10.598	20.769	-	20.769	20.937	20.550	70.934	96.912

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army								Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing						P-1 Line Item Number / Title: 9678A12500 / SMALL UNMANNED AIRCRAFT SYSTEMS				
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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	A12511 / SHORT RANGE RECONNAISSANCE	P-5a, P-21			- / -	- / -	207 / 10.598	459 / 20.769	- / -	459 / 20.769
P-40	Total Gross/Weapon System Cost				- / -	- / -	207 / 10.598	459 / 20.769	- / -	459 / 20.769
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
Justification: FY2024 Base procurement dollars in the amount of \$20.769 million supports procurement of 459 Short Range Reconnaissance (SRR) Systems (system consists of 2 air vehicles, 1 Handheld Ground Control Station (HGCS), Digital Data Link (DDL) and Electro-Optical/Infrared (EO/IR) Payload). Remaining funding is for initial spares packages, training, fielding, technical and program support.

Starting in FY23, funding has been moved from A00010 to A12511 for SRR.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.

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Exhibit P-5, Cost Analysis: PB 2024 Army										Date: March 2023											
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 10							P-1 Line Item Number / Title: 9678A12500 / SMALL UNMANNED AIRCRAFT SYSTEMS						Item Number / Title [DODIC]: A12511 / SHORT RANGE RECONNAISSANCE								
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
Procurement Quantity ( <i>Units in Each</i> )				-			-			207			459			-			459		
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				-			-			10.598			20.769			-			20.769		
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-			-			-			-			-			-		
Net Procurement (P-1) ( <i>\$ in Millions</i> )				-			-			10.598			20.769			-			20.769		
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-			-			-			-			-			-		
Total Obligation Authority ( <i>\$ in Millions</i> )				-			-			10.598			20.769			-			20.769		
(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 Thousands</i> )				-			-			51.198			45.248			-			45.248		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total					
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)			
Flyaway Cost																					
Recurring Cost																					
Initial Spares	-	-	-	-	-	-	-	-	0.340	-	-	0.400	-	-	-	-	-	0.400			
Technical Support	-	-	-	-	-	-	-	-	0.274	-	-	0.432	-	-	-	-	-	0.432			
Logistics (Fielding)	-	-	-	-	-	-	-	-	0.346	-	-	0.424	-	-	-	-	-	0.424			
Training	-	-	-	-	-	-	-	-	0.777	-	-	0.845	-	-	-	-	-	0.845			
PM Support	-	-	-	-	-	-	-	-	0.263	-	-	0.397	-	-	-	-	-	0.397			
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	2.000	-	-	2.498	-	-	-	-	-	2.498			
Subtotal: Flyaway Cost	-	-	-	-	-	-	-	-	2.000	-	-	2.498	-	-	-	-	-	2.498			
Hardware Cost																					
Recurring Cost																					
Short Range Reconnaissance (SRR) Systems <sup>(†)</sup>	-	-	-	-	-	-	39.806	216	8.598	39.806	459	18.271	-	-	-	39.806	459	18.271			
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	8.598	-	-	18.271	-	-	-	-	-	18.271			
Subtotal: Hardware Cost	-	-	-	-	-	-	-	-	8.598	-	-	18.271	-	-	-	-	-	18.271			
Gross/Weapon System Cost	-	-	-	-	-	-	51.198	207	10.598	45.248	459	20.769	-	-	-	45.248	459	20.769			
Remarks: SRR hardware unit cost (\$39.806 in thousands) is for 1 SRR system (1 system consists of 2 SRR air vehicles, 1 Handheld Ground Control Station (HGCS), Digital Data Link (DDL) and Electro-Optical/Infrared (EO/IR) Payload).																					



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Exhibit P-5, Cost Analysis: PB 2024 Army				Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 10		P-1 Line Item Number / Title: 9678A12500 / SMALL UNMANNED AIRCRAFT SYSTEMS		Item Number / Title [DODIC]: A12511 / SHORT RANGE RECONNAISSANCE		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:		
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	-	207	372	-	372
	Total Obligation Authority	-	10.598	16.761	-	16.761
ANG	Quantity	-	-	87	-	87
	Total Obligation Authority	-	-	4.008	-	4.008
Total: Secondary Distribution	Quantity	-	207	459	-	459
	Total Obligation Authority	-	10.598	20.769	-	20.769

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2024 Army									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 10				P-1 Line Item Number / Title: 9678A12500 / SMALL UNMANNED AIRCRAFT SYSTEMS					Item Number / Title [DODIC]: A12511 / SHORT RANGE RECONNAISSANCE			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Short Range Reconnaissance (SRR) Systems <sup>(†)</sup>		2023	Skydio / Redwood City, CA	C / IDIQ	ACC - Redstone	Apr 2023	May 2023	216	39.806	Y		Dec 2022
Short Range Reconnaissance (SRR) Systems <sup>(†)</sup>		2024	Skydio / Redwood City, CA	C / IDIQ	ACC Redstone	Mar 2024	May 2024	459	39.806	Y		Nov 2023

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

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Exhibit P-21, Production Schedule: PB 2024 Army																			Date: March 2023													
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 10							P-1 Line Item Number / Title: 9678A12500 / SMALL UNMANNED AIRCRAFT SYSTEMS												Item Number / Title [DODIC]: A12511 / SHORT RANGE RECONNAISSANCE													
Cost Elements (Units in Each)							Fiscal Year 2023												Fiscal Year 2024												BALANCE	
OCO	MFR#	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024													
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
Short Range Reconnaissance (SRR) Systems																																
	1	2023	ARMY	216	0	216							A -	36	36	36	36	36	36													0
	1	2024	ARMY	459	0	459																A -	-	100	100	100	100	59	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 2024 Army								Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 10				P-1 Line Item Number / Title: 9678A12500 / SMALL UNMANNED AIRCRAFT SYSTEMS				Item Number / Title [DODIC]: A12511 / SHORT RANGE RECONNAISSANCE			

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	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	Skydio - Redwood City, CA	75	100	500	3	4	6	10	0	3	1	4

**Remarks:**  
Quantities and delivery schedules for FY20, 21, & 22 can be found on A00010. Starting in FY23, funding has been realigned to A12511.

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

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

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Army **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary **P-1 Line Item Number / Title:** 5757A05111 / AH-64 Apache Block IIIA Reman

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

**Line Item MDAP/MAIS Code:** 202

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	483	29	33	42	-	42	31	-	-	-	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	9,809.247	638.596	716.891	887.796	-	887.796	682.898	1.795	1.650	1.647	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	1,763.516	169.460	192.230	169.218	-	169.218	110.360	-	-	-	Continuing	Continuing
Net Procurement (P-1) ( <i>\$ in Millions</i> )	8,045.731	469.136	524.661	718.578	-	718.578	572.538	1.795	1.650	1.647	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	1,932.976	192.230	169.218	110.360	-	110.360	-	-	-	-	Continuing	Continuing
Total Obligation Authority ( <i>\$ in Millions</i> )	9,978.707	661.366	693.879	828.938	-	828.938	572.538	1.795	1.650	1.647	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 Thousands</i> )	150.140	18.800	0.000	0.000	-	0.000	0.000	-	-	-	Continuing	Continuing
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	20,309.000	22,020.552	21,723.970	21,138.000	-	21,138.000	22,028.968	-	-	-	Continuing	Continuing

### Description:

AH-64E Reman is a complete remanufacture using a new airframe and meets all the requirements for Army and Joint interoperability goals for the future and adds significant combat capability while addressing obsolescence issues, ensuring the aircraft remains a viable combat multiplier beyond its lifecycle. The Army's only heavy attack helicopter, the AH-64E is fully digital with the latest technologies, adding significant combat capability to the aircraft. The AH-64E Apache is implementing an incremental design and fielding strategy as noted in the approved Capability Production Document (CPD). AH-64E Capability Version 1 includes Improved Drive and Propulsion System, Composite Main Rotor Blades (CMRB), Unmanned Aircraft System (UAS) Level III-IV Control, Improved Communications Suite, Improved Electronics / Modular Open Systems Approach, and Radar Electronics Unit (REU). Capability Version 4 includes Link 16, Air to Air to Ground (AAG) Video Relay, System Level Embedded Diagnostics (SLED), and provisions for Reduced-Size Crashworthy External Fuel Systems (RCEFS). Capability Version 6 includes Fire Control Radar (FCR) enhancements, Maritime Targeting Mode, Expanded Link-16, Image Blending, Multi-Mode Laser (MML), and Interactive Electronic Technical Manual (IETM) Upgrade. Production Lots 1-4 are Version 1 capable, Production Lots 5-8 are Version 4 capable, and Version 6 is included into the remaining Production Lots beginning with Production Lot 9. Upgrades are integrated as incremental block modifications. Other associated Government Furnished Equipment (GFE) such as the, Modernized Radar Frequency Interferometer (M-RFI), Radar Electronics Unit (REU), and Manned/Unmanned Teaming Extended Capability (MUMT-X) will be procured and provided in accordance with the basis of issue plan. The program addresses operational shortfalls identified during real-world combat missions, meets Apache Capability Production Document (CPD) requirements for modernization, and provides necessary training, initial spares, and Peculiar Ground Support Equipment (PGSE). AH-64E aircraft entered the fleet in 2012.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	29	9	18	-	18	31	-	-	-
	Total Obligation Authority	661.366	189.249	355.259	-	355.259	572.538	1.795	1.650	1.647
ANG	Quantity	-	24	24	-	24	-	-	-	-
	Total Obligation Authority	-	504.630	473.679	-	473.679	-	-	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>29</b>	<b>33</b>	<b>42</b>	<b>-</b>	<b>42</b>	<b>31</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Obligation Authority</b>	<b>661.366</b>	<b>693.879</b>	<b>828.938</b>	<b>-</b>	<b>828.938</b>	<b>572.538</b>	<b>1.795</b>	<b>1.650</b>	<b>1.647</b>

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army								<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary						<b>P-1 Line Item Number / Title:</b> 5757A05111 / AH-64 Apache Block IIIA Reman				
<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> 202										
Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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	A05111 / AH-64 Apache Block IIIA Reman	P-5a, P-21			483 / 9,809.247	29 / 638.596	33 / 716.891	42 / 887.796	- / -	42 / 887.796
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>483 / 9,809.247</b>	<b>29 / 638.596</b>	<b>33 / 716.891</b>	<b>42 / 887.796</b>	<b>- / -</b>	<b>42 / 887.796</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>Note: Change in quantities of FY 2023 Enacted (33) was driven by the inflation impacts, which resulted in increases to the unit costs.</p> <p>FY 2024 Base procurement dollars in the amount of \$828.938 millions supports Advance Procurement (AP), Full Rate Production (FRP) of AH-64E Apache Reman aircraft and associated support. This program was restructured in 2010 from the single AH-64E Apache (A05111) into two separate programs, AH-64E Apache Reman (A05111) and AH-64E Apache New Build (A05133).</p> <p>Due to inflation impacts, the procurement quantity for FY 2022 was reduced to 24 aircraft. The correct quantities show in the P-5.</p> <p>The Apache Reman Program assumes a cost sharing with the New Build Program in accordance with the New Build Army Program Baseline (APB).</p> <p>The current AH-64E Apache Remanufacture and New Build Army Procurement Objective (APO) is 791 Aircraft. The total AH-64E (Remanufacture and New Build) Army Acquisition Objective (AAO) is 812 Aircraft.</p> <p>The Apache Reman Program quantities and associated funding include a Multi-year contract from FY17- FY21 and assumes approval for a subsequent Multi-year contract in FY 2022 through FY 2026. The Apache Reman and New Build Programs are planning continued production of aircraft through FY 2027 to meet the Army Procurement Objective (APO).</p> <p>Currently the total lead time (time from when first materials must be committed to aircraft delivery) is in excess of 24 months. The Cost Assessment and Program Evaluation (CAPE) Independent Cost Estimate (ICE) utilized 18% to 22% for Advance Procurement (AP). Each year's AP can be divided into 2 segments: 1) Government Furnished Equipment (GFE) such as engines, sensors and avionics and 2) Contractor Furnished Equipment (CFE). Material includes production components to support deliveries, provisioning material, pre-modification effort, and any potential termination liability costs. Long lead items include, but not limited to, such items as the Main Rotor Drive Shaft, Composite Main Rotor Blade, Improved Drive System, and Composite Stabilator IAW Financial Management Regulation (FMR) 7000.14-R.</p> <p>The Economical Production Rate of 98 aircraft per year is the maximum capacity at Full Rate Production assuming a 1-8-5 shift. This requirement is driven primarily by the production rate associated with current fuselage tooling capabilities. In order to increase the 1-8-5 (single shift) production rate, additional tooling must be procured. Capacity can be expanded to 144 aircraft per year with additional investment.</p> <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p>										

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary		<b>P-1 Line Item Number / Title:</b> 5757A05111 / AH-64 Apache Block IIIA Reman
<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> 202		
<p>Footnotes: The correct Quantity for FY 2022 is 24. The correct Gross/Weapon System Cost for FY 2022 is \$623.596M. The correct Net Procurement for FY 2022 is \$454.136M. The correct Total Obligation Authority for FY 2022 is \$646.366M. The correct Gross/Weapon System Unit Cost for FY 2022 is \$25,983.167K. The correct Secondary Distribution Army Active Total Obligation Authority for FY 2022 is \$646.366M.</p>		

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Exhibit P-5, Cost Analysis: PB 2024 Army													Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20							P-1 Line Item Number / Title: 5757A05111 / AH-64 Apache Block IIIA Reman						Item Number / Title [DODIC]: A05111 / AH-64 Apache Block IIIA Reman					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total				
Procurement Quantity (Units in Each)				483		29		33		42		-		42				
Gross/Weapon System Cost (\$ in Millions)				9,809.247		638.596		716.891		887.796		-		887.796				
Less PY Advance Procurement (\$ in Millions)				1,763.516		169.460		192.230		169.218		-		169.218				
Net Procurement (P-1) (\$ in Millions)				8,045.731		469.136		524.661		718.578		-		718.578				
Plus CY Advance Procurement (\$ in Millions)				1,932.976		192.230		169.218		110.360		-		110.360				
Total Obligation Authority (\$ in Millions)				9,978.707		661.366		693.879		828.938		-		828.938				
(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 Thousands)				20,309.000		22,020.552		21,723.970		21,138.000		-		21,138.000				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
CFE <sup>(†)</sup>	15,053.877	487	7,331.238	17,217.083	24	413.210	15,390.242	33	507.878	16,078.619	42	675.302	-	-	-	16,078.619	42	675.302
GFE	3,090.692	487	1,505.167	4,675.583	24	112.214	3,339.333	33	110.198	2,914.786	42	122.421	-	-	-	2,914.786	42	122.421
Non-Recurring Costs	-	-	247.288	-	-	3.935	-	-	2.000	-	-	2.000	-	-	-	-	-	2.000
Support Equipment	-	-	147.367	-	-	12.034	-	-	6.316	-	-	8.419	-	-	-	-	-	8.419
Other Costs	-	-	462.985	-	-	87.773	-	-	78.723	-	-	79.654	-	-	-	-	-	79.654
Initial Spares	-	-	115.202	-	-	9.430	-	-	11.776	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	9,809.247	-	-	638.596	-	-	716.891	-	-	887.796	-	-	-	-	-	887.796
Subtotal: Flyaway Cost	-	-	9,809.247	-	-	638.596	-	-	716.891	-	-	887.796	-	-	-	-	-	887.796
Gross/Weapon System Cost	20,309.000	483	9,809.247	22,020.552	29	638.596	21,723.970	33	716.891	21,138.000	42	887.796	-	-	-	21,138.000	42	887.796
Remarks:																		
Note: Change in quantities of FY 2023 Enacted (33) was driven by the inflation impacts, which resulted in increases to the unit costs.																		
The FY 2022 quantities shown here are correct, and reflect reduced procurement due to inflation impacts.																		
Other Costs is inclusive of the Apache PM cost share that is allocated by percentage across each funding line. Yearly adjustments in Other Costs correspond to increases or decreases across all Apache PM funding lines. These costs are for personnel that perform duties associated with Safety, Compliance, Training, Product Support, Engineering Services, and Logistics.																		



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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 01 / 20	<b>P-1 Line Item Number / Title:</b> 5757A05111 / AH-64 Apache Block IIIA Reman	<b>Item Number / Title [DODIC]:</b> A05111 / AH-64 Apache Block IIIA Reman

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
---------------------------------------------------------	------------------------

Footnotes:  
The correct Quantity for FY 2022 is 24.  
The correct Gross/Weapon System Cost for FY 2022 is \$623.596M.  
The correct Net Procurement for FY 2022 is \$454.136M.  
The correct Total Obligation Authority for FY 2022 is \$646.366M.  
The correct Gross/Weapon System Unit Cost for FY 2022 is \$25,983.167K.  
The correct Secondary Distribution Army Active Quantity for FY 2022 is 24.  
The correct P-5 Cost Element "Other Costs" cost for FY 2022 is \$72.773M

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	29	9	18	-	18
	Total Obligation Authority	661.366	189.249	355.259	-	355.259
ANG	Quantity	-	24	24	-	24
	Total Obligation Authority	-	504.630	473.679	-	473.679
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>29</b>	<b>33</b>	<b>42</b>	-	<b>42</b>
	<b>Total Obligation Authority</b>	<b>661.366</b>	<b>693.879</b>	<b>828.938</b>	-	<b>828.938</b>

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

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Exhibit P-5a, Procurement History and Planning: PB 2024 Army		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20	P-1 Line Item Number / Title: 5757A05111 / AH-64 Apache Block IIIA Reman	Item Number / Title [DODIC]: A05111 / AH-64 Apache Block IIIA Reman

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 (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
CFE <sup>(†)</sup>		2014	The Boeing Company / Mesa, AZ	SS / FPIF	AMCOM	Mar 2014	Feb 2015	35	15,570.229	Y		Jul 2012
CFE <sup>(†)</sup>		2015	The Boeing Company / Mesa, AZ	SS / FPIF	AMCOM	Mar 2015	Feb 2016	53	14,679.510	Y		Aug 2014
CFE <sup>(†)</sup>		2016	The Boeing Company / Mesa, AZ	SS / FPIF	AMCOM	Mar 2016	Jan 2017	64	13,759.470	Y		Aug 2014
CFE		2017	The Boeing Company / Mesa, AZ	SS / FFP	AMCOM	Mar 2017	Jan 2019	52	13,565.810	Y		Aug 2015
CFE <sup>(†)</sup>		2018	The Boeing Company / Mesa, AZ	SS / FFP	AMCOM	Mar 2018	Jul 2019	48	12,956.958	Y		Aug 2015
CFE <sup>(†)</sup>		2019	The Boeing Company / Mesa, AZ	SS / FFP	AMCOM	Mar 2019	Jul 2020	48	13,794.229	Y		Aug 2015
CFE <sup>(†)</sup>		2020	The Boeing Company / Mesa, AZ	SS / FFP	AMCOM	Mar 2020	May 2021	49	13,969.796	Y		Aug 2015
CFE <sup>(†)</sup>		2021	The Boeing Company / Mesa, AZ	SS / FFP	AMCOM	Mar 2021	Jun 2022	50	13,915.120	Y		Aug 2015
CFE <sup>(†)</sup>		2022	The Boeing Company / Mesa, AZ	SS / FFP	AMCOM	Mar 2022	Aug 2024	24	17,217.083	Y		Feb 2020
CFE <sup>(†)</sup>		2023	The Boeing Company / Mesa, AZ	SS / FFP	AMCOM	Mar 2023	May 2025	33	15,390.242	Y		Feb 2020
CFE <sup>(†)</sup>		2024	The Boeing Company / Mesa, AZ	SS / FFP	AMCOM	Mar 2024	Feb 2026	42	16,078.619	Y		Feb 2020

(†) indicates the presence of a P-21

**Remarks:**

Major Contractor Furnished Equipment (CFE) cost drivers include, but not limited to, the Fuselage, Transmission, and Composite Main Rotor Blades. Major Government Furnished Equipment (GFE) includes engines, Embedded Global Positioning System Inertial Navigation Systems (EGIs), Radar Electronics Unit (REU), Modernized Target Acquisition Designation System (MTADS)/Pilot Night Vision System (PNVS) and Manned/Unmanned Teaming Extended Capability (MUMT-X). Other Cost includes Support Equipment, Peculiar Ground Support Equipment (PGSE), and Government Program Management Support.

Delivery schedules appear to extend beyond the 12 month period for the following reasons: Yearly procurement consist of AH-64E Remanufactured and New Build aircraft. Both variants are awarded on different contract line items. While each of these efforts deliver all of their aircraft within a 12 month span, they do not deliver within the same 12 month time period.

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Exhibit P-21, Production Schedule: PB 2024 Army																							Date: March 2023												
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20										P-1 Line Item Number / Title: 5757A05111 / AH-64 Apache Block IIIA Reman													Item Number / Title [DODIC]: A05111 / AH-64 Apache Block IIIA Reman												
Cost Elements (Units in Each)							Fiscal Year 2014														Fiscal Year 2015														B A L A N C E
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014														Calendar Year 2015														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
CFE																																			
Prior Years Deliveries: 88																																			
	1	2014	ARMY	35	0	35							A -	-	-	-	-	-	-	-	-	-	-	-	1	3	4	4	4	4	3	3	9		
	1	2015	ARMY	53	0	53																				A -	-	-	-	-	-	-	53		
	1	2016	ARMY	64	0	64																										64			
	1	2018	ARMY	48	0	48																										48			
	1	2019	ARMY	48	0	48																										48			
	1	2020	ARMY	49	0	49																										49			
	1	2021	ARMY	50	0	50																										50			
	1	2022	ARMY	24	0	24																										24			
	1	2023	ARMY	33	0	33																										33			
	1	2024	ARMY	42	0	42																										42			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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Exhibit P-21, Production Schedule: PB 2024 Army																				Date: March 2023													
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20										P-1 Line Item Number / Title: 5757A05111 / AH-64 Apache Block IIIA Reman										Item Number / Title [DODIC]: A05111 / AH-64 Apache Block IIIA Reman													
Cost Elements (Units in Each)							Fiscal Year 2016													Fiscal Year 2017													BALANCE
OCO	MFR#	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT				Calendar Year 2016										Calendar Year 2017													
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
CFE																																	
Prior Years Deliveries: 88																																	
	1	2014	ARMY	35	26	9	3	3	3																						0		
	1	2015	ARMY	53	0	53	-	-	-	-	3	4	4	3	2	3	2	2	2	3	4	3	-	-	-	-	-	-	-	-	18		
	1	2016	ARMY	64	0	64						A -	-	-	-	-	-	-	-	-	-	1	4	4	4	5	5	5	5	5	26		
	1	2018	ARMY	48	0	48																									48		
	1	2019	ARMY	48	0	48																									48		
	1	2020	ARMY	49	0	49																									49		
	1	2021	ARMY	50	0	50																									50		
	1	2022	ARMY	24	0	24																									24		
	1	2023	ARMY	33	0	33																									33		
	1	2024	ARMY	42	0	42																									42		
							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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LI 5757A05111 - AH-64 Apache Block IIIA Reman Army

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Exhibit P-21, Production Schedule: PB 2024 Army																			Date: March 2023																	
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20										P-1 Line Item Number / Title: 5757A05111 / AH-64 Apache Block IIIA Reman														Item Number / Title [DODIC]: A05111 / AH-64 Apache Block IIIA Reman												
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						
CFE																																				
Prior Years Deliveries: 88																																				
	1	2014	ARMY	35	35	0																										0				
	1	2015	ARMY	53	53	0																										0				
	1	2016	ARMY	64	64	0																										0				
	1	2018	ARMY	48	9	39	5	4	4	5	4	4	4	4	5																0					
	1	2019	ARMY	48	0	48	-	-	-	-	-	-	-	-	5	5	5	5	4	4	5	5	5	5						0						
	1	2020	ARMY	49	0	49						A	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	5	5	5	24					
	1	2021	ARMY	50	0	50																					A	-	-	-	-	-	-	-	-	50
	1	2022	ARMY	24	0	24																										24				
	1	2023	ARMY	33	0	33																										33				
	1	2024	ARMY	42	0	42																										42				
							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 2024 Army																				Date: March 2023															
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20										P-1 Line Item Number / Title: 5757A05111 / AH-64 Apache Block IIIA Reman										Item Number / Title [DODIC]: A05111 / AH-64 Apache Block IIIA Reman															
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022										Fiscal Year 2023													BALANCE					
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022										Calendar Year 2023																		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P				
CFE																																			
Prior Years Deliveries: 88																																			
	1	2014	ARMY	35	35	0																													0
	1	2015	ARMY	53	53	0																													0
	1	2016	ARMY	64	64	0																													0
	1	2018	ARMY	48	48	0																													0
	1	2019	ARMY	48	48	0																													0
	1	2020	ARMY	49	25	24	5	4	4	5	5	1																				0			
	1	2021	ARMY	50	0	50	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	18				
	1	2022	ARMY	24	0	24						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24					
	1	2023	ARMY	33	0	33																					A -	-	-	-	-	-	-	33	
	1	2024	ARMY	42	0	42																													42
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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Exhibit P-21, Production Schedule: PB 2024 Army																			Date: March 2023																
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20										P-1 Line Item Number / Title: 5757A05111 / AH-64 Apache Block IIIA Reman														Item Number / Title [DODIC]: A05111 / AH-64 Apache Block IIIA Reman											
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024														Fiscal Year 2025														BALANCE
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
CFE																																			
Prior Years Deliveries: 88																																			
	1	2014	ARMY	35	35	0																													0
	1	2015	ARMY	53	53	0																													0
	1	2016	ARMY	64	64	0																													0
	1	2018	ARMY	48	48	0																													0
	1	2019	ARMY	48	48	0																													0
	1	2020	ARMY	49	49	0																													0
	1	2021	ARMY	50	32	18	2	2	2	2	2	2	2	2	1	1															0				
	1	2022	ARMY	24	0	24	-	-	-	-	-	-	-	-	-	-	2	2	4	4	4	2	2	3	1								0		
	1	2023	ARMY	33	0	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2	2	4	4	17				
	1	2024	ARMY	42	0	42						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					



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Exhibit P-21, Production Schedule: PB 2024 Army																			Date: March 2023															
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20							P-1 Line Item Number / Title: 5757A05111 / AH-64 Apache Block IIIA Reman													Item Number / Title [DODIC]: A05111 / AH-64 Apache Block IIIA Reman														
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2026													Fiscal Year 2027													BALANCE	
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026													Calendar Year 2027														
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
CFE																																		
Prior Years Deliveries: 88																																		
	1	2014	ARMY	35	35	0																												0
	1	2015	ARMY	53	53	0																												0
	1	2016	ARMY	64	64	0																												0
	1	2018	ARMY	48	48	0																												0
	1	2019	ARMY	48	48	0																												0
	1	2020	ARMY	49	49	0																												0
	1	2021	ARMY	50	50	0																												0
	1	2022	ARMY	24	24	0																												0
	1	2023	ARMY	33	16	17	4	4	4	3	2																			0				
	1	2024	ARMY	42	0	42	-	-	-	-	1																			3	3	3	4	4
							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 2024 Army									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20					P-1 Line Item Number / Title: 5757A05111 / AH-64 Apache Block IIIA Reman				Item Number / Title [DODIC]: A05111 / AH-64 Apache Block IIIA Reman			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	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	The Boeing Company - Mesa, AZ	48	98	144	0	11	13	24	0	6	12	18
<b>Remarks:</b> Change in quantities of FY 2023 Enacted (33) was driven by the inflation impacts, which resulted in increases to the unit costs.												
"A" in the Delivery Schedule indicates the Contract Award Date. <b>Note:</b> Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).												

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Army										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary					P-1 Line Item Number / Title: 5757A05111 / AH-64 Apache Block IIIA Reman							
Program Elements for Code B Items: N/A					Other Related Program Elements: N/A							
Line Item MDAP/MAIS Code: 202												
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Gross/Weapon System Cost (\$ in Millions)	1,932.976	192.230	169.218	110.360	-	110.360	-	-	-	-	Continuing	Continuing
Net Procurement (P-1) (\$ in Millions)	1,932.976	192.230	169.218	110.360	-	110.360	-	-	-	-	Continuing	Continuing
Total Obligation Authority (\$ in Millions)	1,932.976	192.230	169.218	110.360	-	110.360	-	-	-	-	Continuing	Continuing

**Description:**

AH-64E Reman is a complete remanufacture using a new airframe and meets all the requirements for Army and Joint interoperability goals for the future and adds significant combat capability while addressing obsolescence issues, ensuring the aircraft remains a viable combat multiplier beyond its lifecycle. The Army's only heavy attack helicopter, the AH-64E is fully digital with the latest technologies, adding significant combat capability to the aircraft. The AH-64E Apache is implementing an incremental design and fielding strategy as noted in the approved Capability Production Document (CPD). AH-64E Capability Version 1 includes Improved Drive and Propulsion System, Composite Main Rotor Blades (CMRB), Unmanned Aircraft System (UAS) Level III-IV Control, Improved Communications Suite, Improved Electronics / Modular Open Systems Approach, and Radar Electronics Unit (REU). Capability Version 4 includes Link 16, Air to Air to Ground (AAG) Video Relay, System Level Embedded Diagnostics (SLED), and provisions for Reduced-Size Crashworthy External Fuel Systems (RCEFS). Capability Version 6 includes Fire Control Radar (FCR) enhancements, Maritime Targeting Mode, Expanded Link-16, Image Blending, Multi-Mode Laser (MML), and Interactive Electronic Technical Manual (IETM) Upgrade. Production Lots 1-4 are Version 1 capable, Production Lots 5-8 are Version 4 capable, and Version 6 is included into the remaining Production Lots beginning with Production Lot 9. Upgrades are integrated as incremental block modifications. Other associated Government Furnished Equipment (GFE) such as the, Modernized Radar Frequency Interferometer (M-RFI), Radar Electronics Unit (REU), and Manned/Unmanned Teaming Extended Capability (MUMT-X) will be procured and provided in accordance with the basis of issue plan. The program addresses operational shortfalls identified during real-world combat missions, meets Apache Capability Production Document (CPD) requirements for modernization, and provides necessary training, initial spares, and Peculiar Ground Support Equipment (PGSE). AH-64E aircraft entered the fleet in 2012.

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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification:</b> PB 2024 Army							<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary					<b>P-1 Line Item Number / Title:</b> 5757A05111 / AH-64 Apache Block IIIA Reman				
<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> 202									
<b>Exhibits Schedule</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
<b>Exhibit Type</b>	<b>Title*</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-10	A05111 / AH-64 Apache Block IIIA Reman			483 / 1,932.976	29 / 192.230	33 / 169.218	42 / 110.360	- / -	42 / 110.360
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>			<b>483 / 1,932.976</b>	<b>29 / 192.230</b>	<b>33 / 169.218</b>	<b>42 / 110.360</b>	<b>- / -</b>	<b>42 / 110.360</b>
*Title represents the P-10 Title for Advance Procurement.									
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.									
<p><b>Justification:</b></p> <p>FY24 Base procurement dollars in the amount of \$824.126 millions supports Advance Procurement (AP), Full Rate Production (FRP) of AH-64E Apache Reman aircraft and associated support. This program was restructured in 2010 from the single AH-64E Apache (A05111) into two separate programs, AH-64E Apache Reman (A05111) and AH-64E Apache New Build (A05133).</p> <p>The Apache Reman Program assumes a cost sharing with the New Build Program in accordance with the New Build Army Program Baseline (APB).</p> <p>The current AH-64E Apache Remanufacture and New Build Army Procurement Objective (APO) is 791 Aircraft. The total AH-64E (Remanufacture and New Build) Army Acquisition Objective (AAO) is 812 Aircraft.</p> <p>The Apache Reman Program quantities and associated funding include a Multi-year contract from FY17- FY21 and assumes approval for a subsequent Multi-year contract in FY22 through FY26. The Apache Reman and New Build Programs are planning continued production of aircraft through FY2027 to meet the Army Procurement Objective (APO).</p> <p>Currently the total lead time (time from when first materials must be committed to aircraft delivery) is in excess of 24 months. The Cost Assessment and Program Evaluation (CAPE) Independent Cost Estimate (ICE) utilized 18% to 22% for Advance Procurement (AP). Each year's AP can be divided into 2 segments: 1) Government Furnished Equipment (GFE) such as engines, sensors and avionics and 2) Contractor Furnished Equipment (CFE). Material includes production components to support deliveries, provisioning material, pre-modification effort, and any potential termination liability costs. Long lead items include, but not limited to, such items as the Main Rotor Drive Shaft, Composite Main Rotor Blade, Improved Drive System, and Composite Stabilator IAW Financial Management Regulation (FMR) 7000.14-R.</p> <p>The Economical Production Rate of 98 aircraft per year is the maximum capacity at Full Rate Production assuming a 1-8-5 shift. This requirement is driven primarily by the production rate associated with current fuselage tooling capabilities. In order to increase the 1-8-5 (single shift) production rate, additional tooling must be procured. Capacity can be expanded to 144 aircraft per year with additional investment.</p> <p><b>Comments:</b></p> <p>"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities."</p>									

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Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2024 Army					Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20		P-1 Line Item Number / Title: 5757A05111 / AH-64 Apache Block IIIA Reman			P-5 Number / Title: A05111 / AH-64 Apache Block IIIA Reman	
First System (2024) Award Date: July 2009		First System (2024) Completion Date: November 2011		Interval Between Systems: 1 Months		
AH-64 Apache Block IIIA Reman		Production Leadtime (Months)	Prior Years (Each)	FY 2022 (Each)	FY 2023 (Each)	FY 2024 (Each)
Quantity			483	29	33	42
Cost Elements		When Required (Months)	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)	FY 2024 (\$ M)
Other						
CFE		6	1,452.755	192.230	169.218	110.360
GFE		6	480.221	-	-	-
Total: Other			1,932.976	192.230	169.218	110.360
Total Advance Procurement/Obligation Authority			1,932.976	192.230	169.218	110.360

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Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2024 Army						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20		P-1 Line Item Number / Title: 5757A05111 / AH-64 Apache Block IIIA Reman				P-5 Number / Title: A05111 / AH-64 Apache Block IIIA Reman	
Cost Elements	QPA <i>(Each)</i>	FY 2024					
		Production Leadtime <i>(Months)</i>	Unit Cost <i>(\$ K)</i>	Contract Forecast Date	2024 Qty <i>(Each)</i>	For FY	Total Cost Request <i>(\$ M)</i>
Other							
CFE	26						110.360
GFE	26						-
Total: Other							110.360
Total Advance Procurement/Obligation Authority							110.360

**Description:**  
Currently the total lead time (time from when first materials must be committed to aircraft delivery) is in excess of 24 months. The Cost Assessment and Program Evaluation (CAPE) Independent Cost Estimate (ICE) utilized 18% to 22% for Advance Procurement (AP) for single year contracts. Each year's AP can be divided into 2 segments: 1) Government Furnished Equipment (GFE) such as engines, sensors and avionics and 2) Contractor Furnished Equipment (CFE). Material includes production components to support deliveries, provisioning material, pre-modification effort, and any potential termination liability costs. Long lead items include the Main Rotor Drive Shaft, Composite Main Rotor Blade, Improved Drive System, and Composite Stabilator.

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary						P-1 Line Item Number / Title: 6771AA0005 / UH-60 Blackhawk M Model (MYP)						
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	1,165	31	35	24	-	24	25	25	-	-	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	21,304.327	909.190	1,069.474	736.405	-	736.405	819.546	818.957	53.920	53.810	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	4,371.229	87.427	146.068	68.147	-	68.147	92.494	58.170	-	-	Continuing	Continuing
Net Procurement (P-1) ( <i>\$ in Millions</i> )	16,933.098	821.763	923.406	668.258	-	668.258	727.052	760.787	53.920	53.810	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	4,458.656	146.068	68.147	92.494	-	92.494	58.170	-	-	-	Continuing	Continuing
Total Obligation Authority ( <i>\$ in Millions</i> )	21,391.754	967.831	991.553	760.752	-	760.752	785.222	760.787	53.920	53.810	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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	18,286.976	29,328.710	30,556.400	30,683.542	-	30,683.542	32,781.840	32,758.280	-	-	Continuing	Continuing

**Description:**

The Utility Helicopter (UH)-60M Black Hawk Helicopter serves as the Army's utility helicopter for the near and midterm force and is in line with the Army's Modernization Strategy, the National Military Strategy, and the National Defense Strategy. The UH-60M Black Hawk is a digital networked platform with greater range and lift to support maneuver Commanders through air assault, general support command and control, and aeromedical evacuation. Full rate production for this new build helicopter began in 2007. The current UH-60 Army Acquisition Objective (AAO) is 2,135 which will be obtained by procuring a combination 1375 UH-60M and 760 UH-60L to UH-60V conversion models. The UH-60M Black Hawk, with the integrated Medical Evacuation (MEDEVAC) Mission Equipment Package (MEP) kit, provides day/night and adverse weather emergency evacuation of casualties. The integration of the MEDEVAC MEP into the UH-60M changes the nomenclature to the HH-60M.

<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Army	Quantity	-	-	-	-	-	1	19	-	-
	Total Obligation Authority	-	0.008	-	-	-	32.081	584.058	53.920	53.810
ANG	Quantity	31	35	24	-	24	24	6	-	-
	Total Obligation Authority	967.831	991.545	760.752	-	760.752	753.141	176.729	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>31</b>	<b>35</b>	<b>24</b>	<b>-</b>	<b>24</b>	<b>25</b>	<b>25</b>	<b>-</b>	<b>-</b>
	<b>Total Obligation Authority</b>	<b>967.831</b>	<b>991.553</b>	<b>760.752</b>	<b>-</b>	<b>760.752</b>	<b>785.222</b>	<b>760.787</b>	<b>53.920</b>	<b>53.810</b>

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army								<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary						<b>P-1 Line Item Number / Title:</b> 6771AA0005 / UH-60 Blackhawk M Model (MYP)				
<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>Exhibits Schedule</b>					<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 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	A05002 / UH-60 BLACK HAWK (MYP)	P-5a, P-21			1,165 / 21,304.327	31 / 909.190	35 / 1,069.474	24 / 736.405	- / -	24 / 736.405
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>1,165 / 21,304.327</b>	<b>31 / 909.190</b>	<b>35 / 1,069.474</b>	<b>24 / 736.405</b>	<b>- / -</b>	<b>24 / 736.405</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.</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 2024 Base procurement dollars in the amount of \$756.336 million supports the procurement of 24 Aircraft (A/C) (9 UH-60M and 15 HH-60M).</p> <p>FY 2023 Appropriations Conference Mark included 10 additional A/C, an increase of \$273 million to procure 10 UH-60M A/C for the Army National Guard (ANRG), increasing the total to 35 A/C for FY 2023.</p> <p>FY 2023 Base procurement dollars in the amount of \$718.553 million supports the procurement of 25 Aircraft (A/C) (10 UH-60M and 15 HH-60M).</p> <p>FY 2022 Appropriations Conference Mark included 7 additional A/C, an increase of \$211.5 million to procure 7 UH-60M A/C for the Army National Guard (ARNG), increasing the total to 31 A/C for FY 2022.</p> <p>Note 1: The Multi-Year 10 (MY-X) contract versus 5 single year contracts for FY 2022 through FY 2026 is projected to yield a 14.6% cost avoidance (\$417.061 million).</p> <p>Note 2: FY 2021 was the final procurement year of the Program Office's multi-year nine (MY-IX) procurement contract with the vendor. The MY-IX contract had a much higher quantity of aircraft being procured, and allowed for lower aircraft unit cost. FY 2022 begins multi-year ten (MYX) procurement contract, with a significant decrease of aircraft being procured and therefore an increased unit cost. Given the MYX unit cost increase of 20%, the FY 2022 Enactment for +\$211.5M supports procurement of seven UH-60M for the National Guard.</p> <p>In accordance with section 1815 of the FY 2008 NDAA (Public Law (P.L.) 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.</p>										
<p><b>Footnotes:</b></p> <p>The correct Gross/Weapon System Cost for FY22 is \$929.19M.</p> <p>The correct Net Procurement for FY22 is \$841.763M.</p> <p>The correct Total Obligation Authority for FY22 is \$987.831M.</p> <p>The correct Gross/Weapon System Unit Cost for FY22 is \$29,973.871K.</p> <p>The correct Secondary Distribution Army National Guard Total Obligation Authority for FY22 is \$987.831M.</p> <p>The correct Secondary Distribution Total for FY22 is \$987.831M.</p>										



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Exhibit P-5, Cost Analysis: PB 2024 Army												Date: March 2023						
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20						P-1 Line Item Number / Title: 6771AA0005 / UH-60 Blackhawk M Model (MYP)						Item Number / Title [DODIC]: A05002 / UH-60 BLACK HAWK (MYP)						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total				
Procurement Quantity <i>(Units in Each)</i>				1,165		31		35		24		-		24				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				21,304.327		909.190		1,069.474		736.405		-		736.405				
Less PY Advance Procurement <i>(\$ in Millions)</i>				4,371.229		87.427		146.068		68.147		-		68.147				
Net Procurement (P-1) <i>(\$ in Millions)</i>				16,933.098		821.763		923.406		668.258		-		668.258				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				4,458.656		146.068		68.147		92.494		-		92.494				
Total Obligation Authority <i>(\$ in Millions)</i>				21,391.754		967.831		991.553		760.752		-		760.752				
(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 Thousands)</i>				18,286.976		29,328.710		30,556.400		30,683.542		-		30,683.542				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Airframes/CFE <sup>(†)</sup>	12,530.667	1,169	14,648.350	20,345.645	31	630.715	21,823.486	35	763.822	21,179.292	24	508.303	-	-	-	21,179.292	24	508.303
Engines/Accessories	722.640	2,338	1,689.533	1,132.081	62	70.189	1,272.871	70	89.101	1,159.167	48	55.640	-	-	-	1,159.167	48	55.640
Avionics (GFE)	-	-	793.715	-	-	24.751	-	-	32.073	-	-	16.104	-	-	-	-	-	16.104
Other GFE	-	-	438.363	-	-	6.910	-	-	15.572	-	-	9.439	-	-	-	-	-	9.439
Subtotal: Recurring Cost	-	-	17,569.961	-	-	732.565	-	-	900.568	-	-	589.486	-	-	-	-	-	589.486
Non Recurring Cost																		
ECO (All FLYAWAY Components)	-	-	584.497	-	-	28.333	-	-	29.042	-	-	20.869	-	-	-	-	-	20.869
Other Costs (Mission Equipment)	-	-	852.833	-	-	47.948	-	-	31.706	-	-	29.316	-	-	-	-	-	29.316
Tooling Equipment	-	-	99.849	-	-	7.540	-	-	0.562	-	-	-	-	-	-	-	-	-
Other Nonrecurring Cost	-	-	89.379	-	-	0.632	-	-	0.746	-	-	0.472	-	-	-	-	-	0.472
Subtotal: Non Recurring Cost	-	-	1,626.558	-	-	84.453	-	-	62.056	-	-	50.657	-	-	-	-	-	50.657
Subtotal: Flyaway Cost	-	-	19,196.519	-	-	817.018	-	-	962.624	-	-	640.143	-	-	-	-	-	640.143
Support - Data Cost																		
Technical Publications	-	-	46.643	-	-	4.272	-	-	4.464	-	-	4.115	-	-	-	-	-	4.115
Subtotal: Support - Data Cost	-	-	46.643	-	-	4.272	-	-	4.464	-	-	4.115	-	-	-	-	-	4.115
Support - Fielding Cost																		

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Exhibit P-5, Cost Analysis: PB 2024 Army											Date: March 2023							
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20						P-1 Line Item Number / Title: 6771AA0005 / UH-60 Blackhawk M Model (MYP)						Item Number / Title [DODIC]: A05002 / UH-60 BLACK HAWK (MYP)						
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 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Fielding	-	-	932.138	-	-	60.492	-	-	55.679	-	-	53.165	-	-	-	-	-	53.165
Subtotal: Support - Fielding Cost	-	-	932.138	-	-	60.492	-	-	55.679	-	-	53.165	-	-	-	-	-	53.165
Support - Program Management Cost																		
Government Management	-	-	583.795	-	-	11.194	-	-	33.428	-	-	34.097	-	-	-	-	-	34.097
Subtotal: Support - Program Management Cost	-	-	583.795	-	-	11.194	-	-	33.428	-	-	34.097	-	-	-	-	-	34.097
Support - Training Cost																		
Equipment	-	-	545.233	-	-	16.214	-	-	13.279	-	-	4.886	-	-	-	-	-	4.886
Subtotal: Support - Training Cost	-	-	545.233	-	-	16.214	-	-	13.279	-	-	4.886	-	-	-	-	-	4.886
Gross/Weapon System Cost	18,286.976	1,165	21,304.327	29,328.710	31	909.190	30,556.400	35	1,069.474	30,683.542	24	736.405	-	-	-	30,683.542	24	736.405
Remarks:																		
FY 2022 Appropriations Conference Mark included 7 additional A/C, an increase of \$211.5 million to procure 7 UH-60M A/C for the Army National Guard (ARNG), increasing the total to 31 A/C for FY 2022.																		
FY 2023 Appropriations Conference Mark included 10 additional A/C, an increase of \$273 million to procure 10 UH-60M A/C for the Army National Guard (ARNG), increasing the total to 35 A/C for FY 2023.																		
Footnotes:																		
The correct Gross/Weapon System Cost for FY 2022 is \$929.19M.																		
The correct Gross/Weapon System Unit Cost for FY 2022 is \$29,973.871K.																		
The correct Net Procurement for FY 2022 is \$841.763M.																		
The correct Total Obligation Authority for FY 2022 is \$987.831M.																		
The correct Secondary Distribution Army National Guard Total Obligation Authority for FY 2022 is \$987.831M																		
The correct P-5 Cost Element "Government Management" cost for FY 2022 is \$31.194M																		
Secondary Distribution						FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total				
Army		Quantity				-		-		-		-		-				
		Total Obligation Authority				-		0.008		-		-		-				
ANG		Quantity				31		35		24		-		24				
		Total Obligation Authority				967.831		991.545		760.752		-		760.752				
Total:		Quantity				31		35		24		-		24				

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Exhibit P-5, Cost Analysis: PB 2024 Army				Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20		P-1 Line Item Number / Title: 6771AA0005 / UH-60 Blackhawk M Model (MYP)		Item Number / Title [DODIC]: A05002 / UH-60 BLACK HAWK (MYP)		
ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:			
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Secondary Distribution	Total Obligation Authority	967.831	991.553	760.752	-	760.752

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2024 Army										Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20					P-1 Line Item Number / Title: 6771AA0005 / UH-60 Blackhawk M Model (MYP)					Item Number / Title [DODIC]: A05002 / UH-60 BLACK HAWK (MYP)	

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 (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Airframes/CFE <sup>(†)</sup>		2017	Sikorsky Aircraft / Stratford CT	SS / FFP	AMCOM	Jun 2017	Oct 2017	61	14,150.710	Y		Apr 2014
Airframes/CFE <sup>(†)</sup>		2018	Sikorsky Aircraft / Stratford CT	SS / FFP	AMCOM	Dec 2017	Jul 2018	57	14,706.193	Y		Apr 2014
Airframes/CFE <sup>(†)</sup>		2019	Sikorsky Aircraft / Stratford CT	SS / FFP	AMCOM	Dec 2018	Jul 2019	58	15,554.431	Y		Apr 2014
Airframes/CFE <sup>(†)</sup>		2020	Sikorsky Aircraft / Stratford CT	SS / FFP	AMCOM	Dec 2019	Jul 2020	74	14,867.365	Y		Apr 2014
Airframes/CFE <sup>(†)</sup>		2021	Sikorsky Aircraft / Stratford CT	SS / FFP	AMCOM	Dec 2020	Jul 2021	42	14,960.119	Y		Apr 2014
Airframes/CFE <sup>(†)</sup>		2022	Sikorsky Aircraft / Stratford CT	SS / FFP	AMCOM	Dec 2021	Jul 2022	31	20,616.226	Y		Aug 2018
Airframes/CFE <sup>(†)</sup>		2023	Sikorsky Aircraft / Stratford CT	SS / FFP	AMCOM	Dec 2022	Jul 2023	35	21,823.486	Y		Aug 2018
Airframes/CFE <sup>(†)</sup>		2024	Sikorsky Aircraft / Stratford CT	SS / FFP	AMCOM	Dec 2023	Jul 2024	24	21,179.292	Y		Aug 2018

(†) indicates the presence of a P-21

**Remarks:**

The award of Multi-Year Procurement (MYP) X was completed 26 June 2022 and includes the purchase of a minimum 120 UH/HH-60M Black Hawk aircraft beginning in FY 2022 through FY 2026 under a single, five year Firm Fixed Price (FFP) contract. The MYP strategy is structured to achieve \$417.1 Million Then Year dollars (TY\$) in cost avoidance over the five year period. This multiyear contract for the procurement of Army UH-60M/HH-60M Black Hawk aircraft follows a completed (FY 2017 through FY 2021) MYP between the Army and Sikorsky Aircraft Corporation for UH-60M/HH-60M helicopters. The UH-60M/HH-60M aircraft that will be procured on the multiyear contract are essentially the same configuration as those being procured on the previous multiyear contract.

Delivery schedules appear to extend beyond the 12 month period for the following reasons:

Yearly procurements consist of UH-60M, HH-60M and supplemental aircraft. Each of the three are awarded on different contract line items. While each of these efforts deliver all of their aircraft within a 12 month span, they do not deliver within the same 12 month time period.

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Exhibit P-21, Production Schedule: PB 2024 Army																				Date: March 2023															
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20										P-1 Line Item Number / Title: 6771AA0005 / UH-60 Blackhawk M Model (MYP)										Item Number / Title [DODIC]: A05002 / UH-60 BLACK HAWK (MYP)															
Cost Elements (Units in Each)							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					
Airframes/CFE																																			
Prior Years Deliveries: 877																																			
	1	2017	ARMY	61	0	61													A -	-	-	-	2	3	3	-	8	9	7	9	8	6	6	-	0
	1	2017	FMS (+)	6	0	6													A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
	1	2017	Total	67	0	67													-	-	-	-	2	3	3	-	8	9	7	9	8	6	6	-	6
	1	2018	ARMY	57	0	57																A -	-	-	-	-	-	-	-	-	4	5	6	42	
	1	2018	FMS (+)	19	0	19																A -	-	-	-	-	-	-	-	-	-	2	3	14	
	1	2018	Total	76	0	76																-	-	-	-	-	-	-	-	-	4	7	9	56	
	1	2019	ARMY	58	0	58																								58					
	1	2019	FMS (+)	12	0	12																								12					
	1	2019	Total	70	0	70																								70					
	1	2020	ARMY	74	0	74																								74					
	1	2020	FMS (+)	12	0	12																								12					
	1	2020	Total	86	0	86																								86					
	1	2021	ARMY	42	0	42																								42					
	1	2021	FMS (+)	6	0	6																								6					
	1	2021	Total	48	0	48																								48					
	1	2022	ARMY	31	0	31																								31					
	1	2023	ARMY	35	0	35																								35					
	1	2024	ARMY	24	0	24	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	24				

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Exhibit P-21, Production Schedule: PB 2024 Army																							Date: March 2023												
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20										P-1 Line Item Number / Title: 6771AA0005 / UH-60 Blackhawk M Model (MYP)													Item Number / Title [DODIC]: A05002 / UH-60 BLACK HAWK (MYP)												
Cost Elements (Units in Each)							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					
Airframes/CFE																																			
Prior Years Deliveries: 877																																			
	1	2017	ARMY	61	61	0	-	-	-	-																								0	
	1	2017	FMS (+)	6	0	6	-	2	3	1																								0	
	1	2017	Total	67	61	6	-	2	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0					
	1	2018	ARMY	57	15	42	8	6	5	4	5	4	3	3	4																				0
	1	2018	FMS (+)	19	5	14	-	-	-	1	2	2	4	3	2																				0
	1	2018	Total	76	20	56	8	6	5	5	7	6	7	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0				
	1	2019	ARMY	58	0	58			A -	-	-	-	-	-	-	7	7	7	6	4	3	4	5	4	4	4	3				0				
	1	2019	FMS (+)	12	0	12			A -	-	-	-	-	-	-	-	-	-	-	2	2	1	1	2	2	1	1				0				
	1	2019	Total	70	0	70			-	-	-	-	-	-	-	7	7	7	6	6	5	5	6	6	6	5	4	-	-	-	0				
	1	2020	ARMY	74	0	74														A -	-	-	-	-	-	-	-	-	6	6	6	56			
	1	2020	FMS (+)	12	0	12														A -	-	-	-	-	-	-	-	-	1	1	3	7			
	1	2020	Total	86	0	86														-	-	-	-	-	-	-	-	-	7	7	9	63			
	1	2021	ARMY	42	0	42																												42	
	1	2021	FMS (+)	6	0	6																												6	
	1	2021	Total	48	0	48																												48	
	1	2022	ARMY	31	0	31																												31	
	1	2023	ARMY	35	0	35																												35	
	1	2024	ARMY	24	0	24																												24	
							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 2024 Army																				Date: March 2023																
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20										P-1 Line Item Number / Title: 6771AA0005 / UH-60 Blackhawk M Model (MYP)										Item Number / Title [DODIC]: A05002 / UH-60 BLACK HAWK (MYP)																
Cost Elements (Units in Each)							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						
Airframes/CFE																																				
Prior Years Deliveries: 877																																				
	1	2017	ARMY	61	61	0																													0	
	1	2017	FMS (+)	6	6	0																													0	
	1	2017	Total	67	67	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0					
	1	2018	ARMY	57	57	0																													0	
	1	2018	FMS (+)	19	19	0																													0	
	1	2018	Total	76	76	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0					
	1	2019	ARMY	58	58	0																													0	
	1	2019	FMS (+)	12	12	0																													0	
	1	2019	Total	70	70	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0					
	1	2020	ARMY	74	18	56	6	6	6	6	6	7	7	6																	0					
	1	2020	FMS (+)	12	5	7	1	1	1	1	1	2	-	-	-																	0				
	1	2020	Total	86	23	63	7	7	7	7	7	8	7	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0					
	1	2021	ARMY	42	0	42	A -			-	-	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0					
	1	2021	FMS (+)	6	0	6	A2			-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0						
	1	2021	Total	48	0	48	2			-	-	-	2	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	0					
	1	2022	ARMY	31	0	31																	A -	-	-	-	-	-	-	2	2	2	25			
	1	2023	ARMY	35	0	35																													35	
	1	2024	ARMY	24	0	24																													24	
							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 2024 Army									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20					P-1 Line Item Number / Title: 6771AA0005 / UH-60 Blackhawk M Model (MYP)				Item Number / Title [DODIC]: A05002 / UH-60 BLACK HAWK (MYP)			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	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	Sikorsky Aircraft - Stratford CT	18	96	120	8	3	6	9	0	3	6	9

**Remarks:**  
Please refer to President's Budget 2022 Exhibit MYP-1, Multiyear Procurement Criteria, UH-60M/HH-60M Black Hawk Helicopter Multiyear X (ARMY) for minimum and maximum procurement quantities under the Multi-Year X Contract.

(±) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"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, Advance Procurement Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary						<b>P-1 Line Item Number / Title:</b> 6771AA0005 / UH-60 Blackhawk M Model (MYP)						
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	4,458.656	146.068	68.147	92.494	-	92.494	58.170	-	-	-	Continuing	Continuing
Net Procurement (P-1) ( <i>\$ in Millions</i> )	4,458.656	146.068	68.147	92.494	-	92.494	58.170	-	-	-	Continuing	Continuing
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>4,458.656</b>	<b>146.068</b>	<b>68.147</b>	<b>92.494</b>	-	<b>92.494</b>	<b>58.170</b>	-	-	-	<b>Continuing</b>	<b>Continuing</b>

**Description:**  
 The Advance Procurement (AP) for the UH-60M Black Hawk is separated into two main components: 1. Government Furnished Equipment (GFE) and 2. Contractor Furnished Equipment (CFE).

1. The AP GFE includes turbo-shaft engines, multi-function displays, Embedded Global Positioning System Inertial Navigation System (EGI), Heads Up Display (HUD) Aviation Night vision Imaging System (AN/AVS-7) communication and navigation avionics, radios, antennas, radio receiver transmitters, speech security equipment, UH-60M and MEDEVAC flyaway equipment. These GFE components are UH-60M direct procurement items. The AP GFE provided by PM Aviation Mission Systems and Architecture (AMSA) includes the AN/ARC-231 receiver/transmitter, Improved Data Modem (IDM), signal comparator, and Common Missile Warning System (CMWS). The AP Aircraft Survivability Equipment items procured by the Communications and Electronics Command (CECOM).

2. The CFE AP includes long lead production components to support deliveries, provisioning material, pre-modification effort, and any potential termination liability costs. Long lead items include, but not limited to, such items as the airframe and composite rotor blades.

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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification:</b> PB 2024 Army							<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary					<b>P-1 Line Item Number / Title:</b> 6771AA0005 / UH-60 Blackhawk M Model (MYP)				
<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 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	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-10	A05002 / UH-60 BLACK HAWK (MYP)			1,165 / 4,458.656	31 / 146.068	35 / 68.147	24 / 92.494	- / -	24 / 92.494
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>			<b>1,165 / 4,458.656</b>	<b>31 / 146.068</b>	<b>35 / 68.147</b>	<b>24 / 92.494</b>	<b>- / -</b>	<b>24 / 92.494</b>
*Title represents the P-10 Title for Advance Procurement.									
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.									

**Justification:**

FY 2022 Appropriations Conference Mark included 7 additional A/C, an increase of \$211.5 million to procure 7 UH-60M A/C for the Army National Guard (ARNG), increasing the total to 31 A/C for FY 2022.

FY 2023 Appropriations Conference Mark included 10 additional A/C, an increase of \$273 million to procure 10 UH-60M A/C for the Army National Guard (ARNG), increasing the total to 35 A/C for FY 2023.

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Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2024 Army				Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20		P-1 Line Item Number / Title: 6771AA0005 / UH-60 Blackhawk M Model (MYP)		P-5 Number / Title: A05002 / UH-60 BLACK HAWK (MYP)		
First System (2024) Award Date: May 2005		First System (2024) Completion Date: June 2006		Interval Between Systems: 18 Months		
UH-60 BLACK HAWK (MYP)		Production Leadtime (Months)	Prior Years (Each)	FY 2022 (Each)	FY 2023 (Each)	FY 2024 (Each)
Quantity			1,165	31	35	24
Cost Elements		When Required (Months)	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)	FY 2024 (\$ M)
Other						
Prior Year		-	2,531.426	-	-	-
Airframe - Contractor Furnished Equipment (CFE)		6	899.241	72.310	22.061	31.564
Auxiliary Power Unit (APU)		3	49.990	-	-	-
Engines		3	773.546	42.184	34.608	47.622
Embedded GPS Inertial (EGI)		3	121.448	6.555	5.378	7.400
Heads Up Display (HUD) AVS-7		3	38.395	1.230	1.009	1.388
Avionics - Communication / Navigation		3	44.610	19.786	1.806	-
Blade Fold Kits		3	-	1.774	1.456	2.003
Seat Pallets		3	-	0.167	0.137	0.189
Multi-Function Operator Seat (MFOS)		3	-	0.652	0.535	0.736
Signal Data Converter (SDC)		3	-	1.410	1.157	1.592
Total: Other			4,458.656	146.068	68.147	92.494
Total Advance Procurement/Obligation Authority			4,458.656	146.068	68.147	92.494

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Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20		P-1 Line Item Number / Title: 6771AA0005 / UH-60 Blackhawk M Model (MYP)			P-5 Number / Title: A05002 / UH-60 BLACK HAWK (MYP)		
Cost Elements	QPA (Each)	FY 2024					
		Production Leadtime (Months)	Unit Cost (\$ K)	Contract Forecast Date	2024 Qty (Each)	For FY	Total Cost Request (\$ M)
Other							
Prior Year	-						-
Airframe - Contractor Furnished Equipment (CFE)	1						31.564
Auxiliary Power Unit (APU)	1						-
Engines	2						47.622
Embedded GPS Inertial (EGI)	2						7.400
Heads Up Display (HUD) AVS-7	2						1.388
Avionics - Communication / Navigation	1						-
Blade Fold Kits	2						2.003
Seat Pallets	1						0.189
Multi-Function Operator Seat (MFOS)	2						0.736
Signal Data Converter (SDC)	1						1.592
Total: Other							92.494
Total Advance Procurement/Obligation Authority							92.494
<p><b>Description:</b></p> <p>The Advance procurement estimate was revised in support of the Multi-Year X contract award. The result was the addition of blade fold kits, seat pallets, avionics, multi-function operator seats and the signal data converter. Additionally, the Auxiliary Power Unit will transition from Government Furnished Equipment to Contractor Furnished Equipment for the MY X time frame and the long lead requirement will be included in the airframe advance procurement requirement.</p>							

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army								Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary						P-1 Line Item Number / Title: 6773A05009 / UH-60 Black Hawk L and V Models							
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A					Other Related Program Elements: 0607136A					
Line Item MDAP/MAIS Code: N/A													
Resource Summary		Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )		1,182	24	28	26	-	26	34	44	42	43	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )		10,770.038	166.205	178.658	153.196	-	153.196	157.352	202.776	202.836	202.422	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )		10,770.038	166.205	178.658	153.196	-	153.196	157.352	202.776	202.836	202.422	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )		10,770.038	166.205	178.658	153.196	-	153.196	157.352	202.776	202.836	202.422	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 Thousands</i> )		-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )		9,111.707	6,925.208	6,380.643	5,892.154	-	5,892.154	4,628.000	4,608.545	4,829.429	4,707.488	Continuing	Continuing
Description:													
UH-60 A and L Models include UH-60 A to L conversions in FY16 through FY18 and UH-60L Digital, now designated as UH-60V. Production for UH-60V began in FY18. The UH-60 BLACKHAWK helicopter is the Army's utility helicopter for the near and midterm force. It is a twin engine, single rotor, four bladed utility helicopter used for air assault, general support, command & control, and aero-medical evacuations (MEDEVAC). The UH-60 is joint force capable, providing 24 hour/day support including operations at night and in adverse weather conditions. The UH-60 is designed to carry a crew of four plus eleven combat equipped troops or an external load up to 9,000 pounds. The UH-60 BLACK HAWK was fielded in 1978 as a replacement for the UH-1. From 1978 to 1988, UH-60As were produced. In 1989 production of UH-60Ls with improved engines and drive train began. In 2007, full rate production of UH-60Ms began which provided a digital cockpit, digital Flight Management System (FMS), improved engine, and wide-cord main rotor blades. The UH-60V provides an integrated digital map, integrated performance planning, common functionality and commonality of training with UH-60M. Re-allocation of UH-60 V kits will be accomplished during future Army prioritization efforts.													
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028			
Army	Quantity	-	-	-	-	-	2	1	-	-			
	Total Obligation Authority	-	-	-	-	-	9.256	4.609	-	-			
ANG	Quantity	24	28	26	-	26	32	43	42	43			
	Total Obligation Authority	166.205	178.658	153.196	-	153.196	148.096	198.167	202.836	202.422			
Total: Secondary Distribution	Quantity	24	28	26	-	26	34	44	42	43			
	Total Obligation Authority	166.205	178.658	153.196	-	153.196	157.352	202.776	202.836	202.422			

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army								<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary						<b>P-1 Line Item Number / Title:</b> 6773A05009 / UH-60 Black Hawk L and V Models			
<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> 0607136A		
<b>Line Item MDAP/MAIS Code:</b> N/A									

  

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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	A05009 / UH-60 Black Hawk L and V Models (Operational)				1,182 / 10,770.038	24 / 166.205	28 / 178.658	26 / 153.196	- / -	26 / 153.196
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>1,182 / 10,770.038</b>	<b>24 / 166.205</b>	<b>28 / 178.658</b>	<b>26 / 153.196</b>	<b>- / -</b>	<b>26 / 153.196</b>

  

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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	A05009 / UH-60 Black Hawk L and V Models (Operational)				34 / 157.352	44 / 202.776	42 / 202.836	43 / 202.422	Continuing	Continuing
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>34 / 157.352</b>	<b>44 / 202.776</b>	<b>42 / 202.836</b>	<b>43 / 202.422</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.

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

  

**Justification:**

Note: Change in quantities of FY 2023 Enacted (21) was driven by the inflation impacts, which resulted in increases to the unit costs.

FY 2024 base procurement dollars in the amount of \$153.196 million will procure 26 UH-60V Kits.

The current H-60 Black Hawk Army Acquisition Objective (AAO) is 2,135 which is obtained by procuring a combination of 1,375 new 60M and 760 Recapitalized (A/L/V) aircraft.

FY 2023 year of execution change due to 60V recent renegotiation of Corpus Christi Army Depot (CCAD) Depot labor rates. Quantities were reduced to "Buy to Budget."

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Footnotes:  
 The correct Quantity for FY 2023 is 21.  
 The correct Gross/Weapon System Unit Cost for FY 2023 is \$8,507.524K.



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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 01 / 20				<b>P-1 Line Item Number / Title:</b> 6773A05009 / UH-60 Black Hawk L and V Models						<b>Modification Number / Title:</b> A05009 / UH-60 Black Hawk L and V Models		
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	1,182	24	28	26	-	26	34	44	42	43	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	10,770.038	166.205	178.658	153.196	-	153.196	157.352	202.776	202.836	202.422	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	10,770.038	166.205	178.658	153.196	-	153.196	157.352	202.776	202.836	202.422	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>10,770.038</b>	<b>166.205</b>	<b>178.658</b>	<b>153.196</b>	<b>-</b>	<b>153.196</b>	<b>157.352</b>	<b>202.776</b>	<b>202.836</b>	<b>202.422</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 Thousands</i> )	9,111.707	6,925.208	6,380.643	5,892.154	-	5,892.154	4,628.000	4,608.545	4,829.429	4,707.488	Continuing	Continuing
<p><b>Description:</b> UH-60 A and L Models includes UH-60 A to L conversions and the UH-60L Digital conversions, now designated as UH-60V.</p> <p>UH-60V aircraft cost includes all digital components and their associated cost, as well as Engineering Changes, Systems Engineering and Program Management, Trainers, Data and Fielding.</p> <p>Any decrements in FY 2024 and out will result in less 60V kits being procured.</p> <p>Footnotes: The correct Procurement Quantity for FY 2023 is 21. The correct Gross/Weapon System Unit Cost for FY 2023 is \$8,507.524K</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	2	1	-	-		
	Total Obligation Authority	-	-	-	-	-	9.256	4.609	-	-		
ANG	Quantity	24	28	26	-	26	32	43	42	43		
	Total Obligation Authority	166.205	178.658	153.196	-	153.196	148.096	198.167	202.836	202.422		
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>24</b>	<b>28</b>	<b>26</b>	<b>-</b>	<b>26</b>	<b>34</b>	<b>44</b>	<b>42</b>	<b>43</b>		
	<b>Total Obligation Authority</b>	<b>166.205</b>	<b>178.658</b>	<b>153.196</b>	<b>-</b>	<b>153.196</b>	<b>157.352</b>	<b>202.776</b>	<b>202.836</b>	<b>202.422</b>		

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Exhibit P-3a, Individual Modification: PB 2024 Army									Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20				P-1 Line Item Number / Title: 6773A05009 / UH-60 Black Hawk L and V Models					Modification Number / Title: A05009 / UH-60 Black Hawk L and V Models				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: UH-60 A and L			Modification Type: Operational					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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 2: UH-60A to UH-60L Conversions													
A Kits													
Recurring													
Other	1,109 / 10,271.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,109 / 10,271.250	
Subtotal: Recurring	1,109 / 10,271.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,109 / 10,271.250	
Subtotal: UH-60A to UH-60L Conversions	1,109 / 10,271.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,109 / 10,271.250	
Modification Item 2 of 2: UH-60V													
A Kits													
Recurring													
Other	73 / 441.343	24 / 145.842	28 / 154.999	26 / 138.584	- / -	26 / 138.584	34 / 137.881	44 / 177.099	42 / 177.861	43 / 176.366	Continuing	Continuing	
Subtotal: Recurring	73 / 441.343	24 / 145.842	28 / 154.999	26 / 138.584	- / -	26 / 138.584	34 / 137.881	44 / 177.099	42 / 177.861	43 / 176.366	Continuing	Continuing	
Subtotal: UH-60V	73 / 441.343	24 / 145.842	28 / 154.999	26 / 138.584	- / -	26 / 138.584	34 / 137.881	44 / 177.099	42 / 177.861	43 / 176.366	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	1,182 / 10,712.593	24 / 145.842	28 / 154.999	26 / 138.584	- / -	26 / 138.584	34 / 137.881	44 / 177.099	42 / 177.861	43 / 176.366	Continuing	Continuing	
Installation													
Modification Item 1 of 2: UH-60A to UH-60L Conversions	1,080 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,080 / -	
Modification Item 2 of 2: UH-60V	73 / 57.445	24 / 20.363	28 / 23.659	26 / 14.612	- / -	26 / 14.612	34 / 19.471	44 / 25.677	42 / 24.975	43 / 26.056	Continuing	Continuing	
Subtotal: Installation	1,153 / 57.445	24 / 20.363	28 / 23.659	26 / 14.612	- / -	26 / 14.612	34 / 19.471	44 / 25.677	42 / 24.975	43 / 26.056	Continuing	Continuing	
Total													
Total Cost (Procurement + Support + Installation)	10,770.038	166.205	178.658	153.196	-	153.196	157.352	202.776	202.836	202.422	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2024 Army											Date: March 2023																				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20										P-1 Line Item Number / Title: 6773A05009 / UH-60 Black Hawk L and V Models										Modification Number / Title: A05009 / UH-60 Black Hawk L and V Models											
ID Code (A=Service Ready, B=Not Service Ready) :															MDAP/MAIS Code:																
Modification Item 1 of 2: UH-60A to UH-60L Conversions																															
Manufacturer Information																															
Manufacturer Name: Corpus Christi Army Depot														Manufacturer Location: Corpus Christi Army Depot																	
Administrative Leadtime (in Months):														Production Leadtime (in Months): 12																	
Dates		FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Depot																															
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		1,080 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1,080 / 0.000						
FY 2022		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2023		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2024		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2025		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2026		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2027		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2028		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		1,080 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1,080 / 0.000						
Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90		
Out	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90		

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Exhibit P-3a, Individual Modification: PB 2024 Army										Date: March 2023																					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20										P-1 Line Item Number / Title: 6773A05009 / UH-60 Black Hawk L and V Models										Modification Number / Title: A05009 / UH-60 Black Hawk L and V Models											
ID Code (A=Service Ready, B=Not Service Ready) :															MDAP/MAIS Code:																
Modification Item 2 of 2: UH-60V																															
Manufacturer Information																															
Manufacturer Name: Prototype Integration Facility/Northrop Grumman/CCAD															Manufacturer Location: Huntsville AL/ Woodland Hills CA/Corpus Christi TX																
Administrative Leadtime (in Months): 1															Production Leadtime (in Months): 12																
Dates		FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028					
Contract Dates		Oct 2021				Oct 2022				Oct 2023				Oct 2024				Oct 2025				Oct 2026				Oct 2027					
Delivery Dates		Oct 2022				Oct 2023				Oct 2024				Oct 2025				Oct 2026				Oct 2027									
Installation Information																															
Method of Implementation: Various																															
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		49 / 39.022		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		49 / 39.022							
FY 2022		24 / 18.423		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		24 / 18.423							
FY 2023		- / -		24 / 20.363		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		24 / 20.363							
FY 2024		- / -		- / -		28 / 23.659		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		28 / 23.659							
FY 2025		- / -		- / -		- / -		26 / 14.612		- / -		26 / 14.612		- / -		- / -		- / -		- / -		- / -		26 / 14.612							
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		34 / 19.471		- / -		- / -		- / -		- / -		34 / 19.471							
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		44 / 25.677		- / -		- / -		- / -		44 / 25.677							
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		42 / 24.975		- / -		- / -		42 / 24.975							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		43 / 26.056		Continuing		Continuing							
Total		73 / 57.445		24 / 20.363		28 / 23.659		26 / 14.612		- / -		26 / 14.612		34 / 19.471		44 / 25.677		42 / 24.975		43 / 26.056		Continuing		Continuing							
Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	73	6	6	6	6	6	6	8	8	6	6	7	8	10	10	11	11	11	12	12	12	11	12	12	12	11	11	12	12	423	757
Out	49	6	6	6	6	6	6	6	6	6	6	8	8	6	6	7	8	10	10	11	11	11	12	12	12	11	12	12	12	469	757

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	<b>P-1 Line Item Number / Title:</b> 6775A05101 / CH-47 Helicopter
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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> 0607137A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	183	8	9	6	-	6	6	6	4	4	Continuing	Continuing
Gross/Weapon System Cost <i>(\$ in Millions)</i>	5,223.557	333.490	387.708	221.236	-	221.236	252.944	224.396	176.014	168.744	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	700.437	18.372	18.559	18.749	-	18.749	18.936	-	-	-	Continuing	Continuing
Net Procurement (P-1) <i>(\$ in Millions)</i>	4,523.120	315.118	369.149	202.487	-	202.487	234.008	224.396	176.014	168.744	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	718.809	18.559	18.749	18.936	-	18.936	-	-	-	-	Continuing	Continuing
Total Obligation Authority <i>(\$ in Millions)</i>	5,241.929	333.677	387.898	221.423	-	221.423	234.008	224.396	176.014	168.744	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 Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	28,544.027	41,686.250	43,078.667	36,872.667	-	36,872.667	42,157.333	37,399.333	44,003.500	42,186.000	Continuing	Continuing

**Description:**

The CH-47F Chinook is a twin-turbine, tandem-rotor, heavy-lift transport helicopter with a useful load of up to 25,000 pounds. As the Army's only heavy lift helicopter, the CH-47F is an essential component of the Army of 2030. The CH-47F and MH-47G helicopters perform over 95% of the Army's heavy lift missions up to 25,000 pounds. The Chinook fleet has multiple missions including: transport troops (air assault), supply and resupply, weapons, equipment and other cargo operations. Operating throughout theater in combat, combat support, and combat service support roles. The CH-47F is vital to Overseas Contingency Operations and Homeland Security needs of our nation. Secondary missions include aircraft recovery, parachute drops, disaster relief, and search and rescue. These aircraft are fielded to heavy lift companies contained within Combat Aviation Brigades and Special Operations Aviation. The CH-47F and MH-47G aircraft is expected to remain the Army's heavy lift helicopter for the next several decades. To maintain the Chinook, the Army's only heavy-lift cargo helicopter, the CH-47F Block II program is inserting critical and affordable technologies into the Chinook fleet to maintain the platform's operational capabilities while continuing to meet the Warfighter requirements. Key improvements include a strengthened airframe, which introduces commonality with the MH-47G and improvements to rotor fuel and electrical systems which will improve safety and reliability for the aircraft. The program updates the Common Avionics Architecture System (CAAS) and Digital Advanced Flight Control System (DACFS) software packages of the aircraft and incorporates other avionics changes introduced into the final CH-47F production lots. Along with providing a significantly increased capability to the field the program includes provisions for anticipated future upgrades as well as weight and cost savings initiatives to ensure the Army has a platform with the flexibility and performance needed to meet the needs of Army 2030 Operations. The 11 September 2015 Program Delegation Acquisition Decision Memorandum (ADM) designated the CH-47F Block II as an Acquisition Category (ACAT) 1C program with the Milestone Decision Authority (MDA) delegated to the Secretary of the Army.

The H-47 Block II PM ReNew and New Build programs rebuild or replace 69 MH-47G Block I Special Operations Aircraft and 465 CH-47F Block I aircraft to the Block II configuration.

PM Cargo procurement lines provide the common portion of funding for the MH-47G. CH-47F Block II Product Office, in conjunction with Technology Applications Program Office (TAPO), is replacing the aging fleet of MH-47G aircraft that has airframe components dating back more than 45 years. The MH-47G program, while complementary to the CH-47F Block II program, is a separately managed Technology Applications Program Office (TAPO) ARSOAC program with a stand-alone Acquisition Strategy. The current Army Acquisition Objective (AAO) is 535 aircraft.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	8	9	6	-	6	6	6	4	4
	Total Obligation Authority	333.677	387.898	221.423	-	221.423	234.008	224.396	176.014	168.744
<b>Total:</b>	<b>Quantity</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>-</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>4</b>	<b>4</b>

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary					P-1 Line Item Number / Title: 6775A05101 / CH-47 Helicopter					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A			Other Related Program Elements: 0607137A				
Line Item MDAP/MAIS Code: N/A										
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	333.677	387.898	221.423	-	221.423	234.008	224.396	176.014	168.744

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army								<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary						<b>P-1 Line Item Number / Title:</b> 6775A05101 / CH-47 Helicopter				
<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> 0607137A				
<b>Line Item MDAP/MAIS Code:</b> N/A										
Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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	A05105 / CH-47 SLEP	P-5a, P-21			183 / 5,223.557	8 / 333.490	9 / 387.708	6 / 221.236	- / -	6 / 221.236
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>183 / 5,223.557</b>	<b>8 / 333.490</b>	<b>9 / 387.708</b>	<b>6 / 221.236</b>	<b>- / -</b>	<b>6 / 221.236</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:**  
 Note: FY 2023 Base procurement funding, program received an increase in funding, which resulted in the increase of quantities to 9.

FY 2024 Base procurement dollars total \$221.236 million.

FY 2024 Base procurement dollars in the amount of \$192.604 million, support Army common material. The \$171.990 million support 6 MH-47G ReNew aircraft and the \$20.614 million support retrofits for previously delivered MH-47G ReNew aircraft.

FY 2024 Base procurement dollars in the amount of \$28.632 million, support the CH-47F Digital Cockpit Support & Sustainment.

In accordance with section 1815 of the FY 2008 National Defense Authorization Act (P.L.110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.

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Exhibit P-5, Cost Analysis: PB 2024 Army												Date: March 2023						
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20						P-1 Line Item Number / Title: 6775A05101 / CH-47 Helicopter						Item Number / Title [DODIC]: A05105 / CH-47 SLEP						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total				
Procurement Quantity <i>(Units in Each)</i>				183		8		9		6		-		6				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				5,223.557		333.490		387.708		221.236		-		221.236				
Less PY Advance Procurement <i>(\$ in Millions)</i>				700.437		18.372		18.559		18.749		-		18.749				
Net Procurement (P-1) <i>(\$ in Millions)</i>				4,523.120		315.118		369.149		202.487		-		202.487				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				718.809		18.559		18.749		18.936		-		18.936				
Total Obligation Authority <i>(\$ in Millions)</i>				5,241.929		333.677		387.898		221.423		-		221.423				
(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 Thousands)</i>				28,544.027		41,686.250		43,078.667		36,872.667		-		36,872.667				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
CH-47D to CH-47F Conversion	28,909.695	154	4,452.093	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MH-47G Block I to Block II Army Common Funding <sup>(†)</sup>	20,686.400	25	517.160	27,265.000	6	163.590	28,098.333	6	168.590	28,665.000	6	171.990	-	-	-	28,665.000	6	171.990
MH-47G Block II Retrofits	-	-	15.665	-	-	-	-	-	12.392	-	-	20.614	-	-	-	-	-	20.614
Subtotal: Recurring Cost	-	-	4,984.918	-	-	163.590	-	-	180.982	-	-	192.604	-	-	-	-	-	192.604
Subtotal: Flyaway Cost	-	-	4,984.918	-	-	163.590	-	-	180.982	-	-	192.604	-	-	-	-	-	192.604
Hardware Cost																		
Non Recurring Cost																		
CH-47 Block I to Block II <sup>(†)</sup>	45,409.750	4	181.639	44,314.500	2	88.629	48,922.667	3	146.768	-	-	-	-	-	-	-	-	-
CH-47 Avionics (Advanced Procurement)	-	-	22.800	-	-	11.600	-	-	9.000	-	-	-	-	-	-	-	-	-
CH-47 Airframe (Advanced Procurement)	-	-	34.200	-	-	17.400	-	-	13.500	-	-	-	-	-	-	-	-	-
CH47F Block II Logistics	-	-	-	-	-	32.630	-	-	20.432	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	238.639	-	-	150.259	-	-	189.700	-	-	-	-	-	-	-	-	-



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Exhibit P-5, Cost Analysis: PB 2024 Army													Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20							P-1 Line Item Number / Title: 6775A05101 / CH-47 Helicopter						Item Number / Title [DODIC]: A05105 / CH-47 SLEP					
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 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Subtotal: Hardware Cost	-	-	238.639	-	-	150.259	-	-	189.700	-	-	-	-	-	-	-	-	-
Software Cost																		
Non Recurring Cost																		
CH-47F Digital Block I Cockpit Support & Sustainment	-	-	-	-	-	-	-	-	6.726	-	-	28.632	-	-	-	-	-	28.632
CH-47F Block II Cockpit Software Support & Sustainment	-	-	-	-	-	19.641	-	-	10.300	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	-	-	-	19.641	-	-	17.026	-	-	28.632	-	-	-	-	-	28.632
Subtotal: Software Cost	-	-	-	-	-	19.641	-	-	17.026	-	-	28.632	-	-	-	-	-	28.632
Gross/Weapon System Cost	28,544.027	183	5,223.557	41,686.250	8	333.490	43,078.667	9	387.708	36,872.667	6	221.236	-	-	-	36,872.667	6	221.236
Remarks:																		
The CH-47F Block II procurement costs, MH-47G Block II Army common procurement costs, and MH-47G Block II retrofits costs share this funding line. The MH-47G Block II Army Common funding unit cost is not the same as the CH-47F Block II unit cost. The retrofit common component procurement cost support some previously delivered lots of MH-47G Block II aircraft. The combination of the three different procurement cost and quantities on one line cause incorrect gross weapon system cost.																		
FY23 Non Recurring Cost: Funding to support retrofit of some previously delivered MH-47G Block II aircraft with fully Block II Common Components is included in FY 2023 in the amount of \$12.392 million, this additional procurement activity increases the Gross Weapon System Cost top line and Unit Cost in FY 2023. This funding is identified under cost element titled MH-47G Block II Retrofits. Non Recurring retrofit cost also identified in FY 2021. No retrofit costs in FY 2022.																		
FY23 Congressional Add of \$200.000 million: FY22 Congressional add of \$177.500 million (in conjunction with FY22 AP of \$29.000 million) is procuring up to four (4) CH-47F Block II production aircraft. The remaining Congressional Add \$22.500 million is AP for FY24 production aircraft.																		
FY22 Congressional Add of \$169.900 million: FY22 Congressional add of \$140.900 million (in conjunction with FY21 AP of \$29.000 million) is procuring two (2) CH-47F Block II production aircraft. The remaining Congressional Add \$29.000 million is AP for FY23 production aircraft.																		
FY21 Congressional Add of \$189.000 million: FY21 Congressional add of \$160.000 million (in conjunction with FY20 AP of \$28.000 million) is procuring four (4) CH-47F Block II production aircraft. The remaining Congressional Add \$29.000 million is AP for FY22 production aircraft and is on contract.																		
** The congressional add plus the original funding for the Army Common portion of the MH-47Gs FY 21 funding \$178.936 million was for the partial requirement of 6 MH-47Gs.																		
Secondary Distribution							FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total			
Army		Quantity					8		9		6		-		6			
		Total Obligation Authority					333.677		387.898		221.423		-		221.423			

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Exhibit P-5, Cost Analysis: PB 2024 Army				Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20		P-1 Line Item Number / Title: 6775A05101 / CH-47 Helicopter		Item Number / Title [DODIC]: A05105 / CH-47 SLEP		
ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:			
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Total:	Quantity	8	9	6	-	6
Secondary Distribution	Total Obligation Authority	333.677	387.898	221.423	-	221.423

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2024 Army								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20			P-1 Line Item Number / Title: 6775A05101 / CH-47 Helicopter					Item Number / Title [DODIC]: A05105 / CH-47 SLEP				
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 (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
MH-47G Block I to Block II Army Common Funding <sup>(†)</sup>		2018	Boeing / Philadelphia PA	SS / CPFF	Fort Eustis	Jul 2018	Aug 2020	4	18,000.000	Y		Nov 2016
MH-47G Block I to Block II Army Common Funding <sup>(†)</sup>		2019	Boeing / Philadelphia PA	SS / CPFF	Fort Eustis	Jun 2019	Aug 2021	7	18,594.286	Y		Nov 2016
MH-47G Block I to Block II Army Common Funding <sup>(†)</sup>		2020	Boeing / Philadelphia PA	SS / FFP	Fort Eustis	Jun 2020	Aug 2022	8	18,966.125	Y		Nov 2016
MH-47G Block I to Block II Army Common Funding <sup>(†)</sup>		2021	Boeing / Philadelphia PA	SS / CPFF	Fort Eustis	Nov 2021	Aug 2023	6	27,211.833	Y		Nov 2016
CH-47 Block I to Block II		2021	Boeing / Philadelphia PA	SS / FPIF	Redstone Arsenal AL	Sep 2021	Mar 2024	4	45,409.750	Y		Mar 2021
CH-47 Block I to Block II		2022	Boeing / Philadelphia PA	SS / FPIF	Redstone Arsenal AL	Sep 2022	Mar 2025	2	44,314.500	Y		
<sup>(†)</sup> indicates the presence of a P-21												
<b>Remarks:</b> MH-47G the FY 2021 airframe unit cost increased due to fewer H-47 procurements beginning in FY 2021. MH-47G Army Common cost increased production line costs in FY 2021.												

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Exhibit P-21, Production Schedule: PB 2024 Army																				Date: March 2023																
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20										P-1 Line Item Number / Title: 6775A05101 / CH-47 Helicopter										Item Number / Title [DODIC]: A05105 / CH-47 SLEP																
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						
MH-47G Block I to Block II Army Common Funding																																				
	1	2018	ARMY	4	0	4											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
	1	2019	ARMY	7	0	7																									A -	-	-	-	-	7
	1	2020	ARMY	8	0	8																													8	
	1	2021	ARMY	6	0	6																													6	
							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 2024 Army																			Date: March 2023													
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20							P-1 Line Item Number / Title: 6775A05101 / CH-47 Helicopter												Item Number / Title [DODIC]: A05105 / CH-47 SLEP													
Cost Elements <i>(Units in Each)</i>							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		
MH-47G Block I to Block II Army Common Funding																																
	1	2018	ARMY	4	0	4	-	-	-	-	-	-	-	-	-	-	4															0
	1	2019	ARMY	7	0	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3	0
	1	2020	ARMY	8	0	8									A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
	1	2021	ARMY	6	0	6																										6
							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 2024 Army																				Date: March 2023													
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20										P-1 Line Item Number / Title: 6775A05101 / CH-47 Helicopter										Item Number / Title [DODIC]: A05105 / CH-47 SLEP													
Cost Elements (Units in Each)							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		
MH-47G Block I to Block II Army Common Funding																																	
	1	2018	ARMY	4	4	0																											0
	1	2019	ARMY	7	7	0																											0
	1	2020	ARMY	8	0	8	-	-	-	-	-	-	-	-	-	-	4	4															0
	1	2021	ARMY	6	0	6		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	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 2024 Army									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20					P-1 Line Item Number / Title: 6775A05101 / CH-47 Helicopter				Item Number / Title [DODIC]: A05105 / CH-47 SLEP			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	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	18	18	72	11	10	25	35	0	0	0	0

**Remarks:**  
All PM Cargo procurement funding and production schedules currently support the Army common portion of funding to rebuild or replace 69 MH-47G Block I Special Operations Aircraft.

CH-47F Block II Product Office, in conjunction with Technology Applications Program Office (TAPO), is replacing the aging fleet of MH-47G aircraft that has airframe components dating back more than 45 years. The MH-47G program, while complementary to the CH-47F Block II program, is a separately managed Technology Applications Program Office (TAPO) ARSOAC program with a stand-alone Acquisition Strategy.

"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, Advance Procurement Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary						<b>P-1 Line Item Number / Title:</b> 6775A05101 / CH-47 Helicopter						
<b>Program Elements for Code B Items:</b> N/A						<b>Other Related Program Elements:</b> 0607137A						
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	718.809	18.559	18.749	18.936	-	18.936	-	-	-	-	Continuing	Continuing
Net Procurement (P-1) ( <i>\$ in Millions</i> )	718.809	18.559	18.749	18.936	-	18.936	-	-	-	-	Continuing	Continuing
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>718.809</b>	<b>18.559</b>	<b>18.749</b>	<b>18.936</b>	-	<b>18.936</b>	-	-	-	-	<b>Continuing</b>	<b>Continuing</b>

**Description:**

The CH-47F Chinook is a twin-turbine, tandem-rotor, heavy-lift transport helicopter with a useful load of up to 25,000 pounds. As the Army's only heavy lift helicopter, the CH-47F is an essential component of the Army of 2030. The CH-47F and MH-47G helicopters perform over 95% of the Army's heavy lift missions up to 25,000 pounds. The Chinook fleet has multiple missions including: transport troops (air assault), supply and resupply, weapons, equipment and other cargo operations. Operating throughout theater in combat, combat support, and combat service support roles. The CH-47F is vital to Overseas Contingency Operations and Homeland Security needs of our nation. Secondary missions include aircraft recovery, parachute drops, disaster relief, and search and rescue. These aircraft are fielded to heavy lift companies contained within Combat Aviation Brigades and Special Operations Aviation. The CH-47F and MH-47G aircraft is expected to remain the Army's heavy lift helicopter for the next several decades. To maintain the Chinook, the Army's only heavy-lift cargo helicopter, the CH-47F Block II program is inserting critical and affordable technologies into the Chinook fleet to maintain the platform's operational capabilities while continuing to meet the Warfighter requirements. Key improvements include a strengthened airframe, which introduces commonality with the MH-47G and improvements to rotor fuel and electrical systems which will improve safety and reliability for the aircraft. The program updates the Common Avionics Architecture System (CAAS) and Digital Advanced Flight Control System (DACFS) software packages of the aircraft and incorporates other avionics changes introduced into the final CH-47F production lots. Along with providing a significantly increased capability to the field the program includes provisions for anticipated future upgrades as well as weight and cost savings initiatives to ensure the Army has a platform with the flexibility and performance needed to meet the needs of Army 2030 Operations. The 11 September 2015 Program Delegation Acquisition Decision Memorandum (ADM) designated the CH-47F Block II as an Acquisition Category (ACAT) 1C program with the Milestone Decision Authority (MDA) delegated to the Secretary of the Army.

The H-47 Block II PM ReNew and New Build programs rebuild or replace 69 MH-47G Block I Special Operations Aircraft and 465 CH-47F Block I aircraft to the Block II configuration.

PM Cargo procurement lines provide the common portion of funding for the MH-47G. CH-47F Block II Product Office, in conjunction with Technology Applications Program Office (TAPO), is replacing the aging fleet of MH-47G aircraft that has airframe components dating back more than 45 years. The MH-47G program, while complementary to the CH-47F Block II program, is a separately managed Technology Applications Program Office (TAPO) ARSOAC program with a stand-alone Acquisition Strategy. The current Army Acquisition Objective (AAO) is 535 aircraft.



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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Army							Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary					P-1 Line Item Number / Title: 6775A05101 / CH-47 Helicopter				
Program Elements for Code B Items: N/A					Other Related Program Elements: 0607137A				
Line Item MDAP/MAIS Code: N/A									
Exhibits Schedule				Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	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-10	A05105 / CH-47 SLEP			183 / 718.809	8 / 18.559	9 / 18.749	6 / 18.936	- / -	6 / 18.936
P-40	Total Gross/Weapon System Cost			183 / 718.809	8 / 18.559	9 / 18.749	6 / 18.936	- / -	6 / 18.936
*Title represents the P-10 Title for Advance Procurement.									
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.									

**Justification:**  
FY 2024 Advanced procurement dollars in the amount of \$18.936 million will procure the MH-47G common portion of the airframe advance procurement requirement for the six (6) FY25 aircraft.

In accordance with section 1815 of the FY 2008 National Defense Authorization Act (P.L.110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.

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Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2024 Army					Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20		P-1 Line Item Number / Title: 6775A05101 / CH-47 Helicopter			P-5 Number / Title: A05105 / CH-47 SLEP	
First System (2024) Award Date: December 2003		First System (2024) Completion Date: December 2006		Interval Between Systems: 2 Months		
CH-47 SLEP		Production Leadtime (Months)	Prior Years (Each)	FY 2022 (Each)	FY 2023 (Each)	FY 2024 (Each)
Quantity			183	8	9	6
Cost Elements		When Required (Months)	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)	FY 2024 (\$ M)
CFE						
MH-47 Avionics	16	300.009	7.424	7.500	7.574	
MH-47 Airframe	14	390.800	11.135	11.249	11.362	
CH-47 Avionics	-	11.200	-	-	-	
CH-47 Airframe	-	16.800	-	-	-	
Total: CFE		718.809	18.559	18.749	18.936	
Total Advance Procurement/Obligation Authority		718.809	18.559	18.749	18.936	

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Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 01 / 20		P-1 Line Item Number / Title: 6775A05101 / CH-47 Helicopter			P-5 Number / Title: A05105 / CH-47 SLEP		
Cost Elements	QPA (Each)	FY 2024					
		Production Leadtime (Months)	Unit Cost (\$ K)	Contract Forecast Date	2024 Qty (Each)	For FY	Total Cost Request (\$ M)
CFE							
MH-47 Avionics	1						7.574
MH-47 Airframe	1						11.362
CH-47 Avionics	-						-
CH-47 Airframe	-						-
Total: CFE							18.936
Total Advance Procurement/Obligation Authority							18.936
Description: N/A							

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft							<b>P-1 Line Item Number / Title:</b> 0023A01001 / MQ-1 PAYLOAD					
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	248.628	-	72.700	13.650	-	13.650	-	-	-	-	-	334.978
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	248.628	-	72.700	13.650	-	13.650	-	-	-	-	-	334.978
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>248.628</b>	<b>-</b>	<b>72.700</b>	<b>13.650</b>	<b>-</b>	<b>13.650</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>334.978</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b>												
<p>The MQ-1 Payload (MIP) (A01001) budget line supports the Army's transformation by procuring Reconnaissance, Surveillance and Target Acquisition (RSTA) and Intelligence, Surveillance and Reconnaissance (ISR) payload systems for Brigade Combat Teams, Divisions, and Corps Unmanned Aircraft Systems (UAS). Funding in this budget line specifically supports the principal payloads for the Gray Eagle UAS; specifically, the Common Sensor Payload (CSP) and Small Tactical Radar - Lightweight (STARLite). Funding in this budget line also supports emerging UAS sensor requirements such as Communications Intelligence (COMINT), Electronics Intelligence (ELINT) and Signals Intelligence (SIGINT).</p> <p>Common Sensor Payload (CSP) Electro Optical / Infrared / Laser Designator (EO/IR/LD) provides High Definition (HD) Target Location Accuracy (TLA) Full Motion Video (FMV) in both the Electro Optical and Mid Wave IR spectrums with day/night capability to collect and display continuous imagery and the ability to designate targets of interest for attack by laser guided precision weapons. It is the EO/IR/LD sensor for the Gray Eagle UAS which supports force applications, battlespace awareness, force protection, and net-centric operations across the battlefield to provide wide area, near real time RSTA capabilities. Current product improvements continue to focus on the development and implementation of technologies that directly supporting emerging requirements of the Army's Current and Future Force. The Army Acquisition Objective (AAO) for CSP is based on aircraft/ platform quantities; specifically, one CSP per Gray Eagle UAS plus spares.</p> <p>Small Tactical Radar - Lightweight (STARLite) provides Gray Eagle UAS multi-functional SAR/MTI and Electro-Optic/Infrared (EO/IR) cross-cueing capabilities for the detection, classification and location of stationary and moving vehicle and man-sized targets.</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	-	72.700	13.650	-	13.650	-	-	-	-		
<b>Total:</b>	Quantity	-	-	-	-	-	-	-	-	-		
<b>Secondary Distribution</b>	Total Obligation Authority	-	72.700	13.650	-	13.650	-	-	-	-		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army								Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft						P-1 Line Item Number / Title: 0023A01001 / MQ-1 PAYLOAD				
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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	A01005 / CSP FMV	P-5a, P-21			- / 248.628	- / -	- / 72.700	- / 13.650	- / -	- / 13.650
P-40	Total Gross/Weapon System Cost				- / 248.628	- / -	- / 72.700	- / 13.650	- / -	- / 13.650
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
CSP: Fiscal Year (FY) 2024 procurement funds in the amount of \$13.650 million support the continued replacement production of payloads and spare parts to support combat or direct combat expenses.

All Quantities are for the Active component.

**Comments:**  
In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for the homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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Exhibit P-5, Cost Analysis: PB 2024 Army													Date: March 2023								
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10							P-1 Line Item Number / Title: 0023A01001 / MQ-1 PAYLOAD						Item Number / Title [DODIC]: A01005 / CSP FMV								
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
Procurement Quantity ( <i>Units in Each</i> )				-			-			-			-			-			-		
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				248.628			-			72.700			13.650			-			13.650		
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-			-			-			-			-			-		
Net Procurement (P-1) ( <i>\$ in Millions</i> )				248.628			-			72.700			13.650			-			13.650		
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-			-			-			-			-			-		
Total Obligation Authority ( <i>\$ in Millions</i> )				248.628			-			72.700			13.650			-			13.650		
(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 Thousands</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 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total					
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)			
Flyaway Cost																					
Recurring Cost																					
CSP HD Procurement	1,615.054	56	90.443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CSP HD Initial Spares	1,204.000	3	3.612	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CSP Diode Pump Laser	165.000	57	9.405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CSP SD to HD Platform Retrofit/ Upgrades	479.165	188	90.083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CSP DMV-184 Processor Cards	21.000	135	2.835	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CSP Diode Pump Laser Integration	-	-	2.490	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CSP PMO Support	-	-	10.919	-	-	-	-	-	4.938	-	-	1.168	-	-	-	-	-	1.168			
CSP Interim Contractor Support (SD)	-	-	11.295	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CSP Interim Contractor Support (HD)	-	-	9.760	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CSP Initial Fielding Support	-	-	17.786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CSP-Target Location Accuracy (TLA) Production <sup>(†)</sup>	-	-	-	-	-	-	3,111.375	16	49.782	3,925.660	3	11.777	-	-	-	3,925.660	3	11.777			
CSP TLA Spare Parts	-	-	-	-	-	-	-	-	2.980	-	-	0.705	-	-	-	-	-	0.705			

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2024 Army										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10					P-1 Line Item Number / Title: 0023A01001 / MQ-1 PAYLOAD					Item Number / Title [DODIC]: A01005 / CSP FMV			

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Subtotal: Recurring Cost	-	-	248.628	-	-	-	-	-	57.700	-	-	13.650	-	-	-	-	-	13.650
Subtotal: Flyaway Cost	-	-	248.628	-	-	-	-	-	57.700	-	-	13.650	-	-	-	-	-	13.650
Hardware Cost																		
Non Recurring Cost																		
ELINT Procurement	-	-	-	-	-	-	-	-	15.000	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	15.000	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	-	-	-	-	-	-	15.000	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	248.628	-	-	-	-	-	72.700	-	-	13.650	-	-	-	-	-	13.650

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	72.700	13.650	-	13.650
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	-	72.700	13.650	-	13.650

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2024 Army									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 0023A01001 / MQ-1 PAYLOAD					Item Number / Title [DODIC]: A01005 / CSP FMV				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
CSP-Target Location Accuracy (TLA) Production <sup>(†)</sup>		2023	Raytheon / McKinney	SS / FFP	ACC, APG	May 2023	Feb 2025	16	3,111.375	N		
CSP-Target Location Accuracy (TLA) Production <sup>(†)</sup>		2024	Raytheon / McKinney	SS / FFP	ACC, APG	Aug 2024	Feb 2026	3	3,925.660	N		

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



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Exhibit P-21, Production Schedule: PB 2024 Army																				Date: March 2023																
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10										P-1 Line Item Number / Title: 0023A01001 / MQ-1 PAYLOAD										Item Number / Title [DODIC]: A01005 / CSP FMV																
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2023										Fiscal Year 2024													B A L A N C E						
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023										Calendar Year 2024																			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P					
CSP-Target Location Accuracy (TLA) Production																																				
	1	2023	ARMY	16	0	16											A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
	1	2024	ARMY	3	0	3																										A	-	-	3	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2024 Army																			Date: March 2023													
Appropriation / Budget Activity / Budget Sub Activity:							P-1 Line Item Number / Title:												Item Number / Title [DODIC]:													
2031A / 02 / 10							0023A01001 / MQ-1 PAYLOAD												A01005 / CSP FMV													
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2025												Fiscal Year 2026												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
CSP-Target Location Accuracy (TLA) Production																																
	1	2023	ARMY	16	0	16	-	-	-	-	2	2	2	2	2	2	2															0
	1	2024	ARMY	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		1		1					0
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

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Exhibit P-21, Production Schedule: PB 2024 Army									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10					P-1 Line Item Number / Title: 0023A01001 / MQ-1 PAYLOAD				Item Number / Title [DODIC]: A01005 / CSP FMV			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	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	Raytheon - McKinney	8	24	125	0	10	22	32	0	10	18	28

"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).

## UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft							<b>P-1 Line Item Number / Title:</b> 0756AA6601 / Gray Eagle Mods2					
<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> 0305204A, 0305219A				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	308.421	123.143	133.038	14.959	-	14.959	3.916	5.138	5.668	10.782	-	605.065
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	308.421	123.143	133.038	14.959	-	14.959	3.916	5.138	5.668	10.782	-	605.065
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>308.421</b>	<b>123.143</b>	<b>133.038</b>	<b>14.959</b>	<b>-</b>	<b>14.959</b>	<b>3.916</b>	<b>5.138</b>	<b>5.668</b>	<b>10.782</b>	<b>-</b>	<b>605.065</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<p><b>Description:</b></p> <p>The MQ-1C Gray Eagle provides the Army with an Extended Range, Multi-Purpose (ERMP) Unmanned Aircraft System (UAS) in Multi-Domain Operations (MDO); capable of executing reconnaissance, security, attack, and intelligence collection missions in Large Scale Combat Operations (LSCO). Modernized sensors/payloads include an Electro-Optical/Infrared/Laser Designator (EO/IR/LD), Synthetic Aperture Radar/ Moving Target Indicator (SAR/MTI), Signals Intelligence (SIGINT), and HELLFIRE missiles providing long range, deep sense/attack with standoff.</p> <p>The MQ-1C Gray Eagle Modification/Product Improvement Program (PIP) funding is required to address obsolescence while maintaining a MDO-ready capability. This effort involves the procurement of expeditionary ground equipment (control stations), datalinks (new single/multi-band SATCOM &amp; line of sight terminals), avionics (increased processing power, M-Code navigators), payloads, and aircraft systems (Modernized Extended Range) in a Modular Open System Architecture (MOSA) supported by partitioned flight/mission software. Funding supports multi-phased integration efforts of hardware and software procurement in support of Army Assured-Positioning Navigation and Timing (A-PNT) requirements to allow the MQ-1C Gray Eagle to survive, persist, and thrive in GPS denied environments resulting in the fielding of M-Code navigators as required by Public Law 111-383. This funding also supports the procurement, development, and integration to field Link-16 and a new engine propulsion system for the MQ-1C Gray Eagle fleet.</p> <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	123.143	133.038	14.959	-	14.959	3.916	5.138	5.668	10.782		
<b>Total: Secondary Distribution</b>	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	<b>123.143</b>	<b>133.038</b>	<b>14.959</b>	<b>-</b>	<b>14.959</b>	<b>3.916</b>	<b>5.138</b>	<b>5.668</b>	<b>10.782</b>		

**UNCLASSIFIED**

Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft					P-1 Line Item Number / Title: 0756AA6601 / Gray Eagle Mods2					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A			Other Related Program Elements: 0305204A, 0305219A				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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	A00002 / Communications Modernization (Link 16 ) (UNCLASSIFIED)				- / 308.421	- / 123.143	- / 133.038	- / 14.959	- / -	- / 14.959
P-40	Total Gross/Weapon System Cost				- / 308.421	- / 123.143	- / 133.038	- / 14.959	- / -	- / 14.959
Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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	A00002 / Communications Modernization (Link 16 ) (UNCLASSIFIED)				- / 3.916	- / 5.138	- / 5.668	- / 10.782	- / -	- / 605.065
P-40	Total Gross/Weapon System Cost				- / 3.916	- / 5.138	- / 5.668	- / 10.782	- / -	- / 605.065
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**

FY2024 Base Procurement dollars in the amount of \$14.959 supports the procurement of critical Avionics and Datalinks equipment, specifically Link-16. Avionics and Datalinks equipment will support the transition of the SATCOM datalink to a multiband frequency. Contractor program management and acquisition and repair of GFE, and the procurement of ten vision-based navigation kits will also be funded.

FY2023 Base Procurement dollars in the amount of \$13.038M supports the procurement of the Critical Avionics and Datalinks equipment, which supports transition of the SATCOM datalink to a multiband frequency. Acquisition and repair of GFE, as well as procurement of aircraft kits, to support test and evaluation efforts will be funded.

FY2023 Base Procurement Congressional Plus-Up dollars in the amount of \$120.000M supports the recapitalization of legacy MQ-1C Gray Eagle aircraft to MQ-1C Gray Eagle Extended Range (GE-ER) Multi-Domain Operation (MDO) Configuration.

The MQ-1C Gray Eagle Modification/Product Improvement Program (PIP) funding is required for Datalinks and Avionics modernization. Datalinks and Avionics modernization involves the procurement of new SATCOM ground and air vehicle equipment, new air vehicle avionics, and system re-architecture through the partitioning and updating of software to allow for the separation of critical and non-critical functions. This modernization effort will enable multi-band communication for Beyond Line of Sight data transmission, replace obsolete processors, and improve system processing and increase both throughput and memory capability. PIP funding also supports multi-phased integration efforts of hardware and software procurement in support of Army Assured-Positioning Navigation and Timing (A-PNT) requirements to allow the MQ-1C Gray Eagle to survive, persist, and thrive in GPS denied environments. This effort fully integrates Link-16, increases operational reach, and meets objectives all while reducing cognitive burden for the Soldier. These upgrades improve operations in contested environments, address obsolescence, and establish an architecture that enables integration of future payloads to support Multi-Domain Operations.

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10				<b>P-1 Line Item Number / Title:</b> 0756AA6601 / Gray Eagle Mods2						<b>Modification Number / Title:</b> A00002 / Communications Modernization (Link 16 )		
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	308.421	123.143	133.038	14.959	-	14.959	3.916	5.138	5.668	10.782	-	605.065
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	308.421	123.143	133.038	14.959	-	14.959	3.916	5.138	5.668	10.782	-	605.065
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>308.421</b>	<b>123.143</b>	<b>133.038</b>	<b>14.959</b>	<b>-</b>	<b>14.959</b>	<b>3.916</b>	<b>5.138</b>	<b>5.668</b>	<b>10.782</b>	<b>-</b>	<b>605.065</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 Thousands)</i>	308,421.000	30,785.750	22,173.000	-	-	-	-	-	-	-	-	55,005.909
<p><b>Description:</b></p> <p>The MQ-1C Gray Eagle provides the Army with an Extended Range, Multi-Purpose (ERMP) Unmanned Aircraft System (UAS); capable of executing reconnaissance, security, attack, and intelligence collection missions in the range of military operations (ROMO). Sensors/payloads include an Electro-Optical/Infrared/Laser Designator (EO/IR/LD), Synthetic Aperture Radar/Moving Target Indicator (SAR/MTI), Signals Intelligence (SIGINT), and HELLFIRE missiles; providing a near all-weather mission capability. MQ-1C Gray Eagle is a dedicated, assured, multi-mission Unmanned Aircraft System (UAS) fielded to all Army Divisions, Intelligence and Security Command and Army Special Operations Command in support of the commander's warfighting priorities and Aviation Force 1.1 capabilities enabling Multi-Domain Operations.</p> <p>The MQ-1C Gray Eagle Modification/Product Improvement Program (PIP) funding is required for Datalinks and Avionics modernization. Datalinks and Avionics modernization involves the procurement of new SATCOM ground and air vehicle equipment, new air vehicle avionics, and system re-architecture through the partitioning and updating of software to allow for the separation of critical and non-critical functions. This modernization effort will enable multi-band communication for Beyond Line of Sight data transmission, replace obsolete processors, and improve system processing and increase both throughput and memory capability. PIP funding also supports multi-phased integration efforts of hardware and software procurement in support of Army Assured-Positioning Navigation and Timing (A-PNT) requirements to allow the MQ-1C Gray Eagle to survive, persist, and thrive in GPS denied environments. These upgrades improve operations in contested environments, address obsolescence, and establish an architecture that enables integration of future payloads to support Multi-Domain Operations and, as required by Public Law 111-383, M-Code capability.</p> <p>Note: Each A-kit and B-kit modifies one (1) aircraft.</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	123.143	133.038	14.959	-	14.959	3.916	5.138	5.668	10.782		
<b>Total:</b> <b>Secondary Distribution</b>	<b>Quantity</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		
	<b>Total Obligation Authority</b>	<b>123.143</b>	<b>133.038</b>	<b>14.959</b>	<b>-</b>	<b>14.959</b>	<b>3.916</b>	<b>5.138</b>	<b>5.668</b>	<b>10.782</b>		

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Exhibit P-3a, Individual Modification: PB 2024 Army			Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10		P-1 Line Item Number / Title: 0756AA6601 / Gray Eagle Mods2	Modification Number / Title: A00002 / Communications Modernization (Link 16 )
ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:
Development Status/Major Development Milestones			
Date	Title	Description	
Jan 2020	Datalinks and Avionics Modernization	Retrofits	
Jan 2021	Datalinks and Avionics Modernization	Retrofits	

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Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 0756AA6601 / Gray Eagle Mods2					Modification Number / Title: A00002 / Communications Modernization (Link 16 )					
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: N/A			Modification Type: UNCLASSIFIED					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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 8: Warrior Alpha Modification													
A Kits													
Non-Recurring													
Non-recurring engineering													
Subtotal: Non-Recurring													
B Kits													
Recurring													
High Definition & BLOS Payload													
Subtotal: Recurring													
Subtotal: Warrior Alpha Modification													
Modification Item 2 of 8: Assured Positioning Navigation Timing Improvements													
B Kits													
Recurring													
Global Positioning System (GPS) Denied													
Subtotal: Recurring													
Non-Recurring													
Software Updates													
Non-GPS Navigation NRE													
Program Management													
Navigator 2 Qualification													
Auto-pilot Improvements													
Avionics NRE													
Subtotal: Non-Recurring													
Subtotal: Assured Positioning Navigation Timing Improvements													
Modification Item 3 of 8: Datalink and Avionics Modernization													
B Kits													
Recurring													



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Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 0756AA6601 / Gray Eagle Mods2				Modification Number / Title: A00002 / Communications Modernization (Link 16 )				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:					
Models of Systems Affected: N/A				Modification Type: UNCLASSIFIED				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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)
Datalink Modernization B-Kits	20 / 53.162	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 53.162
Subtotal: Recurring	20 / 53.162	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 53.162
Non-Recurring												
Datalink Modernization NRE	- / 72.787	- / 4.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 77.187
Subtotal: Non-Recurring	- / 72.787	- / 4.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 77.187
Subtotal: Datalink and Avionics Modernization	20 / 125.949	- / 4.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 130.349
Modification Item 4 of 8: Communications Modernization Link 16												
A Kits												
Non-Recurring												
Communications Modernization Link 16	48 / 14.000	- / -	- / -	- / 7.000	- / -	- / 7.000	- / -	- / -	- / -	- / -	- / -	48 / 21.000
Subtotal: Non-Recurring	48 / 14.000	- / -	- / -	- / 7.000	- / -	- / 7.000	- / -	- / -	- / -	- / -	- / -	48 / 21.000
Subtotal: Communications Modernization Link 16	48 / 14.000	- / -	- / -	- / 7.000	- / -	- / 7.000	- / -	- / -	- / -	- / -	- / -	48 / 21.000
Modification Item 5 of 8: GFE Repair												
A Kits												
Recurring												
GFE Repair	- / 3.000	- / 1.942	- / 2.747	- / 4.000	- / -	- / 4.000	- / -	- / -	- / -	- / -	- / -	- / 11.689
Subtotal: Recurring	- / 3.000	- / 1.942	- / 2.747	- / 4.000	- / -	- / 4.000	- / -	- / -	- / -	- / -	- / -	- / 11.689
Subtotal: GFE Repair	- / 3.000	- / 1.942	- / 2.747	- / 4.000	- / -	- / 4.000	- / -	- / -	- / -	- / -	- / -	- / 11.689
Modification Item 6 of 8: Program Management												
A Kits												
Recurring												
Program Management	- / 2.000	- / 1.045	- / 2.101	- / 2.000	- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / 7.146
Subtotal: Recurring	- / 2.000	- / 1.045	- / 2.101	- / 2.000	- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / 7.146
Subtotal: Program Management	- / 2.000	- / 1.045	- / 2.101	- / 2.000	- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / 7.146
Modification Item 7 of 8: Red River Army Depot Fielding Support												
Subtotal: Red River Army Depot Fielding Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000
Modification Item 8 of 8: Legacy Air Vehicle Upgrades												
A Kits												
Recurring												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army							Date: March 2023							
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 0756AA6601 / Gray Eagle Mods2						Modification Number / Title: A00002 / Communications Modernization (Link 16 )				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:							
Models of Systems Affected: N/A				Modification Type: UNCLASSIFIED					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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)		
Legacy Air Vehicle Upgrade	- / -	2 / 115.756	4 / 128.190	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 243.946		
Subtotal: Recurring	- / -	2 / 115.756	4 / 128.190	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 243.946		
Subtotal: Legacy Air Vehicle Upgrades	- / -	2 / 115.756	4 / 128.190	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 243.946		
Subtotal: Procurement, All Modification Items	303 / 288.703	2 / 123.143	4 / 133.038	- / 14.959	- / -	- / 14.959	- / 3.916	- / 5.138	- / 5.668	- / 10.782	- / -	309 / 585.347		
Installation														
Modification Item 2 of 8: Assured Positioning Navigation Timing Improvements	112 / 8.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	112 / 8.100		
Modification Item 3 of 8: Datalink and Avionics Modernization	18 / 11.528	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 11.528		
Modification Item 7 of 8: Red River Army Depot Fielding Support	- / 0.090	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.090		
Subtotal: Installation	130 / 19.718	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	130 / 19.718		
Total														
Total Cost (Procurement + Support + Installation)	308.421	123.143	133.038	14.959	-	14.959	3.916	5.138	5.668	10.782	-	605.065		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 0756AA6601 / Gray Eagle Mods2			Modification Number / Title: A00002 / Communications Modernization (Link 16 )	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 1 of 8: Warrior Alpha Modification							
Manufacturer Information							
Manufacturer Name: General Atomics				Manufacturer Location: Poway, CA			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 15			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Replacement aircraft build					Installation Quantity: 10		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army										Date: March 2023																					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10										P-1 Line Item Number / Title: 0756AA6601 / Gray Eagle Mods2										Modification Number / Title: A00002 / Communications Modernization (Link 16 )											
ID Code (A=Service Ready, B=Not Service Ready) :															MDAP/MAIS Code:																
Modification Item 2 of 8: Assured Positioning Navigation Timing Improvements																															
Manufacturer Information																															
Manufacturer Name: General Atomics (GA-ASI)															Manufacturer Location: Poway, CA																
Administrative Leadtime (in Months): 4															Production Leadtime (in Months): 24																
Dates		FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: FSR Fielded Retrofits																															
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		0 / 4.068		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		0 / 4.068							
FY 2022		112 / 4.032		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		112 / 4.032							
FY 2023		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2024		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		112 / 8.100		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		112 / 8.100							
Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225		
Out	225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army										Date: March 2023																					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10										P-1 Line Item Number / Title: 0756AA6601 / Gray Eagle Mods2										Modification Number / Title: A00002 / Communications Modernization (Link 16 )											
ID Code (A=Service Ready, B=Not Service Ready) :															MDAP/MAIS Code:																
Modification Item 3 of 8: Datalink and Avionics Modernization																															
Manufacturer Information																															
Manufacturer Name: General Atomics (GA-ASI)															Manufacturer Location: Poway, CA																
Administrative Leadtime (in Months): 4															Production Leadtime (in Months): 12																
Dates		FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028					
Contract Dates		Jan 2022				Jan 2023				Jan 2024																					
Delivery Dates		Jan 2023				Jan 2024				Jan 2025																					
Installation Information																															
Method of Implementation: Engineering Change Proposal, ECP																															
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2022		18 / 11.528		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		18 / 11.528							
FY 2023		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2024		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		18 / 11.528		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		18 / 11.528							
Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	21	-	-	2	-	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27		
Out	6	-	-	3	-	12	-	2	-	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	27		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 0756AA6601 / Gray Eagle Mods2			Modification Number / Title: A00002 / Communications Modernization (Link 16 )	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 4 of 8: Communications Modernization Link 16							
Manufacturer Information							
Manufacturer Name: VIASAT Corporation				Manufacturer Location: Carlsbad, California			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): ECP					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 0756AA6601 / Gray Eagle Mods2			Modification Number / Title: A00002 / Communications Modernization (Link 16 )	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 5 of 8: GFE Repair							
Manufacturer Information							
Manufacturer Name: General Atomics				Manufacturer Location: Poway, California			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Depot					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 0756AA6601 / Gray Eagle Mods2			Modification Number / Title: A00002 / Communications Modernization (Link 16 )	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 6 of 8: Program Management							
Manufacturer Information							
Manufacturer Name: General Atomics				Manufacturer Location: Poway, California			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Gray Eagle Technical Services					Installation Quantity: 0		



UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army										Date: March 2023																					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10										P-1 Line Item Number / Title: 0756AA6601 / Gray Eagle Mods2										Modification Number / Title: A00002 / Communications Modernization (Link 16 )											
ID Code (A=Service Ready, B=Not Service Ready) :															MDAP/MAIS Code:																
Modification Item 7 of 8: Red River Army Depot Fielding Support																															
Manufacturer Information																															
Manufacturer Name: United States Army Materiel Command															Manufacturer Location: New Boston, TX																
Administrative Leadtime (in Months):															Production Leadtime (in Months):																
Dates		FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Depot Support																															
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		0 / 0.090		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		0 / 0.090							
FY 2022		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2023		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2024		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		0 / 0.090		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		0 / 0.090							
Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Out	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 0756AA6601 / Gray Eagle Mods2			Modification Number / Title: A00002 / Communications Modernization (Link 16 )	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 8 of 8: Legacy Air Vehicle Upgrades							
Manufacturer Information							
Manufacturer Name: General Atomics				Manufacturer Location: Poway, CA			
Administrative Leadtime (in Months):				Production Leadtime (in Months): 19			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Sep 2023					
Delivery Dates				Jun 2025			
Installation Information							
Method of Implementation (Organic): General Atomics (OEM)					Installation Quantity: 4		

## UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft						<b>P-1 Line Item Number / Title:</b> 1036AZ2001 / MULTI SENSOR ABN RECON						
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,644.844	120.910 <sup>(1)</sup>	21.380	-	-	-	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,644.844	120.910 <sup>(2)</sup>	21.380	-	-	-	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1,644.844</b>	<b>120.910</b> <sup>(3)</sup>	<b>21.380</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<p><b>Description:</b></p> <p>AZ2001 Multi Sensor Airborne (ABN) Recon Military Intelligence Program (MIP) is the Parent Line to Airborne Reconnaissance Low -- Enhanced (ARL-E) (MIP) (AZ2050), Guardrail Common Sensor (GRCS) Payloads (MIP) (AZ2052), Enhanced Medium Reconnaissance and Surveillance System (EMARSS) Payloads (MIP) (AZ2054), and the Army ABN Intelligence, Surveillance and Reconnaissance (ISR) Modifications (AZ2056).</p> <p>AZ2050 was terminated in Fiscal Year (FY) 2022. AZ2052 and AZ2054 will be divested by FY 2025.</p> <p>Airborne Reconnaissance Low - Enhanced (ARL-E) is a worldwide self-deployable airborne ISR system designed for timely, accurate, assured support to tactical forces over the full spectrum of operations. This system is a De Havilland DHC-8 aircraft replacing the DHC-7 IAW the Aerial ISR (AISR) 2020 Strategy. ARL-E will enhance the ARL-M sensor capability sets through the procurement of new and refurbished sensors to meet the ARL-E Capabilities Production Document (CPD) requirements. It provides a persistent capability to include: Broad-Area Surveillance and/or Focused Stare on Target Areas of Interest (Point or Objective Targets), Electro-Optical/Infrared (EO/IR)/Full-Motion Video (FMV) , Multi-Mode Radar, Robust Communications Intelligence (COMINT), on-Board Collection, Analysis, Sensor Cross Cue and dissemination through Distributed Common Ground System-Army (DCGS-A) Enabled workstations. ARL-E will be assigned to the U.S. Army Intelligence and Security Command's (INSCOM) AISR Brigade providing support to combatant commanders. For the overall system, the Army Acquisition Objective and the Army Procurement Objective, is nine (9). The Mission Equipment Package (MEP) objective is eight (8).</p> <p>This funding line supports the procurement and modernization of eight (8) complete MEP sets, which includes the following sensors: one (1) COMINT subsystem capable of supporting theater net centric geo-location efforts, two (2) High Definition FMV sensors and one (1) Improved Synthetic Aperture Radar / Ground Moving Target Indicator (SAR/GMTI) radar subsystem or one (1) SAR/Dismounted Moving Target Indicator (DMTI) subsystem. The MEP also includes four (4) DCGS-A workstations, one (1) set of communication equipment (mission radios, Beyond line of Site (BLOS) and Line of Site (LOS) Data links). ARL-E is capable of rapid installation of sensors in a plug and play, quick connect/disconnect, mounting system to allow various combinations of sensor-types in support of a wide-range of theater operations. All MEPs include the infrastructure to plug and play a Hyper-Spectral Imagery (HSI) Payload purchased under a Quick Reaction Capability (QRC) program. Future Growth capabilities include: Wide-Area Aerial Surveillance (WAAS), Light Detection and Ranging (LiDAR) and Foliage Penetration Radar (FOPEN).</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft		P-1 Line Item Number / Title: 1036AZ2001 / MULTI SENSOR ABN RECON
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>The overall ARL-E procurement/modernization efforts are found in the following three (3) lines; AZ2050 ARL Payloads (Project Manager Sensors - Aerial Intelligence), A02109, ARL-E Special Electronic Mission Aircraft (SEMA) (MIP) and A02110 ARL-E SEMA Mods (MIP) (Fixed Wing Project Office). Separate funding lines support the Army Acquisition Executive's directive, codified in the October 28, 2011 memorandum, to assign overall acquisition lead for manned airborne Intelligence systems to Program Executive Officer for Aviation; and overall sensor, processing, exploitation, and dissemination responsibilities to Program Executive Officer for Intelligence, Electronic Warfare, and Sensors.</p> <p>The Guardrail Common Sensor (GRCS) is an airborne Signals Intelligence (SIGINT) Collection and Location System capable of providing Tactical Commanders Near-Real Time intelligence. It provides a persistent capability to detect, locate and classify/identify critical targets with a relevant degree of timeliness and accuracy. GRCS is assigned to two (2) U.S. Army Intelligence and Security Command's (INSCOM) Aerial Exploitation Battalions, providing Aerial Intelligence, Surveillance and Reconnaissance (AISR) support to combatant commanders. The Army's Acquisition Objective/Army's Procurement Objective (AAO/APO) is 19 RC-12X; seven (7) fielded to 3rd Military Intelligence Battalion (MI BN); seven (7) fielded to the 204th MI BN, and five (5) pilot trainers to support Force Generation. The five (5) trainers are not equipped with Primary Mission Equipment (PME).</p> <p>The overall GRCS procurement/modernization efforts are found in the following two lines: AZ2052 Guardrail Payloads Military Intelligence Program (MIP) and A02111 GRCS SEMA MODS (MIP). Separate funding lines support the Army Acquisition Executive's directive, codified in the October 28, 2011 memorandum, to assign overall acquisition lead for manned airborne Intelligence systems to Program Executive Office for Aviation; and overall sensor, processing, exploitation, and dissemination responsibilities to Program Executive Officer for Intelligence, Electronic Warfare, and Sensors.</p> <p>GRCS is currently the most capable Army AISR system that provides SIGINT capabilities to support long range targeting of near-peer threats in an Anti-Access Area Denial (A2AD) environment.</p> <p>RDT&amp;E and procurement funding currently planned will address obsolescence issues for critical SIGINT capabilities on the GRCS platform. These investments ensure GRCS AISR support in the A2AD environment is not impacted, which would prevent critical intelligence collection at large standoff which is needed to address long range targeting of near-peer threats and maintain system relevancy.</p> <p>The Enhanced Medium Altitude Reconnaissance and Surveillance System (EMARSS) is the Army's newest generation C-12 based, direct support, manned airborne intelligence collection, processing, and targeting support system. It provides a persistent capability to detect, locate, classify/identify, and track surface targets with a high degree of timeliness and accuracy. EMARSS is assigned to the U.S. Army INSCOM Aerial Exploitation Battalions, providing AISR support to combatant commanders. EMARSS is also assigned to the United States Army Training and Doctrine Command (TRADOC) in support of training at the US Army Intelligence Center of Excellence (USAICoE). The AAO for EMARSS is 36 systems, with an APO of 24, to include the following variants: eight (8) EMARSS-G (Geo-INT); four (4) EMARSS-V (Vehicle and Dismount Exploitation Radar, VaDER); eight (8) EMARSS-M (Multi-INT); and four (4) EMARSS-S (SIGINT). Loss of one EMARSS-M in 2020 reduced the operational fleet to 23 aircraft.</p> <p>Each EMARSS variant has a distinct Mission Equipment Package (MEP). This funding line supports the pre-planned product improvements of the following sensor capabilities: SIGINT; Electro-optical/Infrared (EO/IR)/Full Motion Video (FMV); Communications Intelligence (COMINT) to include Big Iron; Wide Area Aerial Surveillance (WAAS); Light Imaging Detection and Ranging (LiDAR) and improved Synthetic Aperture RADAR / Moving Target Indicator (SAR/MTI) RADAR; line-of-site (LOS) and beyond line-of-site (BLOS) communications; and Processing Exploitation and Dissemination (PED) supporting two Distributed Common Ground System - Army (DCGS-A) enabled operator workstations.</p> <p>The overall EMARSS procurement/modernization efforts are found in the following two lines; AZ2054 EMARSS Payloads (Project Manager Sensors - Aerial Intelligence) and A02112 EMARSS SEMA Mods (Fixed Wing Project Office). Separate funding lines support the Army Acquisition Executive's directive, codified in the October 28, 2011 memorandum, to assign overall acquisition lead for manned airborne Intelligence systems to Program Executive Officer for Aviation; and overall sensor, processing, exploitation, and dissemination responsibilities to Program Executive Officer for Intelligence, Electronic Warfare, and Sensors.</p> <p>EMARSS transitioned from A02005.</p> <p>The Army ABN ISR Modifications line is to support aircraft modifications for Aerial Technical Demonstrators [ATDs], Quick Reaction Capabilities (QRC) or SEMA aircraft in direct support of U.S. Army COCOMS.</p> <p>Congressional mark for Fiscal Year (FY) 2022 was incorrectly allocated to AZ2052. Congressional mark should be against AZ2050.</p> <p>AZ2050 FY 2022 funding request should reflect \$75.234 million.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft					P-1 Line Item Number / Title: 1036AZ2001 / MULTI SENSOR ABN RECON					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
AZ2052 FY 2022 funding request should reflect \$18.554 million.										
AZ2050 FY 2022 funding was returned due to program termination.										
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	120.910 <sup>(4)</sup>	21.380	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	120.910 <sup>(5)</sup>	21.380	-	-	-	-	-	-	-

**Justification:**  
AZ2001 has no Fiscal Year (FY) 2024 funding request.

**Footnotes:**  
<sup>(1)</sup> The correct Gross/Weapon System Cost for FY22 is \$45.676M.  
<sup>(2)</sup> The correct Net Procurement for FY22 is \$45.676M.  
<sup>(3)</sup> The correct Total Obligation Authority for FY22 is \$45.676M.  
<sup>(4)</sup> The correct Secondary Distribution Army Active Total Obligation Authority for FY22 is \$45.676M.  
<sup>(5)</sup> The correct Secondary Distribution Total for FY22 is \$45.676M.

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft							P-1 Line Item Number / Title: 2706AA6605 / AH-64 MODS						
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: N/A													
Resource Summary		Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)		-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		9,153.504	118.560	85.840	113.127	-	113.127	46.724	96.740	95.879	70.368	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)		180.439	-	-	-	-	-	-	-	-	-	-	180.439
Net Procurement (P-1) (\$ in Millions)		8,973.065	118.560	85.840	113.127	-	113.127	46.724	96.740	95.879	70.368	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)		180.439	-	-	-	-	-	-	-	-	-	-	180.439
Total Obligation Authority (\$ in Millions)		9,153.504	118.560	85.840	113.127	-	113.127	46.724	96.740	95.879	70.368	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)													
Initial Spares (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)		-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)		-	-	-	-	-	-	-	-	-	-	-	-
Description:													
The AH-64 Mods program is required to address operational mandates and obsolescence. It is necessary for the continued relevance, resilience, operational performance and readiness of the Army's attack helicopter fleet. The AH-64 Mods Program allows for near-term operationally driven improvements to the Apache fleet, focusing on deployment lessons learned, and reliability improvements. Improvements will occur to the Airframe, Armament, Communications, Manned / Unmanned Teaming, Navigation, Sensors, Survivability, Support Elements, and Training Systems. Examples of modifications include Selected Component Recapitalization, Airframe and Sensor Capability upgrades, procurement of Modernized Day Sensor Assembly (M-DSAs) components, initial procurement of Modernized Radar-Frequency Interferometer (MRFI), Software upgrades, Condition Based Maintenance (CBM), trainer concurrency, Computer/Processing and Data Display and Control upgrades. The AH-64D/AH-64E inventory crossover point (370 AH-64D / 370 AH-64E) occurred in October, 2020. These modernization efforts are required to ensure the Longbow Apache remains a ready and relevant Warfighter asset. The AH-64 Mods program is critical to ensure the Apache maintains its current level of capability.													
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028			
Army	Quantity	-	-	-	-	-	-	-	-	-			
	Total Obligation Authority	118.560	85.840	113.127	-	113.127	46.724	96.740	95.879	70.368			
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-			
	Total Obligation Authority	118.560	85.840	113.127	-	113.127	46.724	96.740	95.879	70.368			

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army								<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft						<b>P-1 Line Item Number / Title:</b> 2706AA6605 / AH-64 MODS				
<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>Exhibits Schedule</b>					<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 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-3a	AA6606 / AH-64 APACHE MODS (Operational & Reliability Improvements and Resolve Obsolescence Issues)				- / 9,153.504	- / 118.560	- / 85.840	- / 113.127	- / -	- / 113.127
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 9,153.504</b>	<b>- / 118.560</b>	<b>- / 85.840</b>	<b>- / 113.127</b>	<b>- / -</b>	<b>- / 113.127</b>
<b>Exhibits Schedule</b>					<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</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-3a	AA6606 / AH-64 APACHE MODS (Operational & Reliability Improvements and Resolve Obsolescence Issues)				- / 46.724	- / 96.740	- / 95.879	- / 70.368	Continuing	Continuing
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 46.724</b>	<b>- / 96.740</b>	<b>- / 95.879</b>	<b>- / 70.368</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.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
<p><b>Justification:</b>          Note: FY 2024, Army Senior Command level made decision to increase the program to procure 24 aircraft sets of Composite Main Rotor Blades (CMRB) to retrofit AH-64D aircraft in the fleet.</p> <p>FY 2024 Base procurement dollars in the amount of \$86.622 million supports modification and service life extension efforts for the Airframe, Armament, Manned/Unmanned Teaming, Mission Command, Sensors, Survivability, Support Elements, and Training Systems.</p> <p>FY 2023 Army Senior Command level made decision to increase the program line to procure 24 aircraft sets of Composite Main Rotor Blades (CMRB) to retrofit AH-64D aircraft in the fleet, for FY 2024.</p>										

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Exhibit P-3a, Individual Modification: PB 2024 Army							Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 2706AA6605 / AH-64 MODS				Modification Number / Title: AA6606 / AH-64 APACHE MODS				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:					
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	9,153.504	118.560	85.840	113.127	-	113.127	46.724	96.740	95.879	70.368	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	180.439	-	-	-	-	-	-	-	-	-	-	180.439
Net Procurement (P-1) (\$ in Millions)	8,973.065	118.560	85.840	113.127	-	113.127	46.724	96.740	95.879	70.368	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	180.439	-	-	-	-	-	-	-	-	-	-	180.439
Total Obligation Authority (\$ in Millions)	9,153.504	118.560	85.840	113.127	-	113.127	46.724	96.740	95.879	70.368	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 Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Description:												
Airframe includes modifications to the Structural Subsystems, Propulsion/Drive/Rotor Systems, Health Monitoring System, and Recap Support/Kits. Structural Subsystems modifications include improvements to the assembled structural and aerodynamic components of the air vehicle to include the fuselage and associated manual flight control systems, rotor equipment, landing gear and associated equipment, environmental controls, racks, mounts, intersystem cables and distribution boxes. Propulsion/Drive/Rotor Systems together with Engine Electronic Digital Engine Control Unit (EDECU) and Common Hydro-Mechanical Unit (CHMU) provides the capability to carry a heavier combat payload and allow for enhanced performance in high-altitude, hot climates. Landing Gear improvements (High Performance Shock Struts (HPSS)) will improve the aircraft crash survivability and allows for a heavier aircraft with greater combat loads. Provides sustainment, support and maintenance for the Apache test aircraft. Additionally, funds in FY24 will be used to procure 24 aircraft sets of Composite Main Rotor Blades and associated Peculiar Support Equipment to replace Metal Main Rotor Blades on fielded AH-64D aircraft in the Apache fleet.												
Mission Command includes modifications and/or upgrades to the various Apache processors and displays. Work has begun on Software Version 6.5, which will enable Common Configuration of Hardware and Software across the AH-64E Fleet. Mission Command upgrades will continue through FY28. Mission Computer / Processing modifications and/or upgrades include improvements to the master data processing unit(s) responsible for coordinating and directing the major avionics mission systems. System Simulation and Software Integration (S3I) Crew Station Working Group (CSWG) provides support for an AH-64E Engineering Analysis Cockpit as part of the Advance Prototyping and Engineering Experimentation (APBEX2) Lab to support continuous Operational Flight Program (OFP) software sustainment and product improvement. Battlefield Operations and Support System (BOSS) supports developmental / formal test to ensure interoperability and assists in certification testing of the Apache data link implementation. Data Link Test Tools (DLTT) supports developmental / formal test to ensure interoperability and assists in certification testing of the Apache data link implementation.												
Sensors includes modifications, operational improvements, and/or mitigation of capability issues to the Apache Sensor suite, which includes the MTADS/PNVS and the Modernized Day Sensor Assembly (MDSA). MDSA replaces the legacy DSA components, adding a laser pointer, eye safe laser, and high definition color-camera capability. MDSA also includes the Modernized Laser Rangefinder/Designator (M-LRFD) which provides enhanced laser ranging, improved target designation, and target tracking capability by holding a stabilized laser beam on a distant stationary or moving point target for a precise handoff to precision guided weapons. M-LRFD replaces the obsolete Laser Transceiver Unit, which mitigates ongoing risk, improves reliability and maintainability, and reduces operations and support costs. MDSA funding enables system procurement / production, software integration, tooling, and test equipment procurement.												
Support Elements include the modification and production of those items, which are not part of the aircraft system but are required to maintain, service, or calibrate the aircraft systems or portions of the aircraft system while not directly engaged in the performance of its mission and will not be in the inventory for support of other weapon systems. Post Production Organic support establishes Depot Pilot Programs at Corpus Christi Army Depot (CCAD) and Tobyhanna Army Depot (TYAD) for selected Depot Level Repairables (DLR) as part of the Original Equipment Manufacturer (OEM) to Depot Transition. Post Production Organic Support (PPOS) provides Depot Maintenance Plant Equipment, Special Tools and Test Equipment, labor training and associated technical data for future repairs once the DLR has transitioned to the depot. PPOS improves Repair Turn Around Time and retain depot maintenance capabilities.												



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Exhibit P-3a, Individual Modification: PB 2024 Army						Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 2706AA6605 / AH-64 MODS			Modification Number / Title: AA6606 / AH-64 APACHE MODS				
ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:				
<p>Training Systems include deliverable training services, Operator and Maintainer training devices, accessories, training aids, equipment, and parts used to facilitate instruction through which personnel will learn to operate and maintain the system with maximum efficiency. Examples include Operator / Maintainer Training (aircraft/classroom) devices, Cyber/RMF activities and new systems integration/concurrency to the suite of training devices/systems, and updates to allow individual/team training tasks and collective training. Efforts include the production and upgrade of deliverable and fielded training systems, devices and equipment; updates to associated device/product hardware and software in the form of 3D Virtual Immersive Training, 3D models and desktop crew station emulation capability.</p> <p>Apache will Federate the Spike NLOS (Non Line Of Sight) missile system by providing Program Management, Systems Engineering, Development Test, Live Fire Test, Life Cycle Management and Integrated Logistics. This effort will support the directed requirement for the AH-64D/E interim Long Range Precision Munition (LRPM) solution. The Army will optimize the Aviation munitions portfolio as part of this strategy creating reinvestment opportunities to close existing lethality gaps by making the portfolio sufficiently lethal for both manned and unmanned platforms against a broad range of increasingly more sophisticated threats. The Spike NLOS Kit consists of a bus controller, video recorder, weapons controller panel, hand control grip, weapons processor, communication pod, power relay box and associated wiring harnesses. Final fielded configuration will include 18 kits and 3 spares. The FY22 quantity reflects A-kit procurement of Spike NLOS hardware. B-kit hardware encompasses all the components to field Spike (launchers and line replaceable kits), as well as the bulk cost (~\$45m) of the APA dollars spent. A-kit components, while also required to field Spike NLOS, are the wiring harnesses and adapters which represent a significantly lower cost.</p> <p>The Other Support costs that are identified in each Modification Item are proportionately shared between all Apache funding lines. These costs are for personnel that perform duties associated with Safety, Compliance, Training, Product Support, Engineering Services, and Logistics.</p>										
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	118.560	85.840	113.127	-	113.127	46.724	96.740	95.879	70.368
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	118.560	85.840	113.127	-	113.127	46.724	96.740	95.879	70.368

## UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army									Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 2706AA6605 / AH-64 MODS					Modification Number / Title: AA6606 / AH-64 APACHE MODS				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: Longbow Apache			Modification Type: Operational & Reliability Improvements and Resolve Obsolescence Issues					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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: Airframe													
A Kits													
Recurring													
Structural Subsystems		- / 12.535	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Health Monitoring System		- / 53.200	- / 10.237	- / 11.834	- / 12.011	- / -	- / 12.011	- / 12.255	- / 13.759	- / 14.029	- / 14.309	Continuing	Continuing
RESET / MEP Kits		- / 177.116	- / 15.658	- / 2.313	- / 2.572	- / -	- / 2.572	- / 2.775	- / 2.854	- / 2.936	- / 1.729	Continuing	Continuing
Other Support		- / 11.356	- / 3.913	- / 2.948	- / 4.456	- / -	- / 4.456	- / 2.006	- / 19.641	- / 15.139	- / 16.031	Continuing	Continuing
Armament		- / -	- / -	- / 0.074	- / 0.074	- / -	- / 0.074	- / 0.050	- / 0.050	- / 0.050	- / 0.050	Continuing	Continuing
Drive System		- / -	- / -	- / 8.091	- / 41.529	- / -	- / 41.529	- / -	- / -	- / -	- / -	- / -	- / 49.620
Subtotal: Recurring		- / 254.207	- / 29.808	- / 25.260	- / 60.642	- / -	- / 60.642	- / 17.086	- / 36.304	- / 32.154	- / 32.119	Continuing	Continuing
Subtotal: Airframe		- / 254.207	- / 29.808	- / 25.260	- / 60.642	- / -	- / 60.642	- / 17.086	- / 36.304	- / 32.154	- / 32.119	Continuing	Continuing
Modification Item 2 of 7: Mission Command													
A Kits													
Recurring													
Processors		- / 73.407	- / 27.411	- / 25.613	- / 41.350	- / -	- / 41.350	- / 19.688	- / 18.783	- / 27.780	- / 13.102	Continuing	Continuing
Displays		- / 7.186	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.186
Other Support		- / 5.866	- / 4.086	- / 3.383	- / 3.280	- / -	- / 3.280	- / 2.618	- / 22.139	- / 24.721	- / 13.055	Continuing	Continuing
Subtotal: Recurring		- / 86.459	- / 31.497	- / 28.996	- / 44.630	- / -	- / 44.630	- / 22.306	- / 40.922	- / 52.501	- / 26.157	Continuing	Continuing
Subtotal: Mission Command		- / 86.459	- / 31.497	- / 28.996	- / 44.630	- / -	- / 44.630	- / 22.306	- / 40.922	- / 52.501	- / 26.157	Continuing	Continuing
Modification Item 3 of 7: Sensors													
A Kits													
Recurring													
MTADS/PNVS		- / 37.896	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 37.896
M-RFI		27 / 43.338	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 43.338
Other Support		- / 24.211	- / 1.936	- / 2.848	- / 0.513	- / -	- / 0.513	- / 0.751	- / 7.041	- / 3.746	- / 4.278	- / -	- / 45.324
Sensor Modernization		- / 0.221	- / 0.153	- / 2.193	- / 6.469	- / -	- / 6.469	- / 5.645	- / 5.974	- / 4.209	- / 4.293	- / -	- / 29.157
Subtotal: Recurring		27 / 105.666	- / 2.089	- / 5.041	- / 6.982	- / -	- / 6.982	- / 6.396	- / 13.015	- / 7.955	- / 8.571	- / -	27 / 155.715
B Kits													
Recurring													
M-LRFD		150 / 49.834	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	150 / 49.834

## UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army									Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 2706AA6605 / AH-64 MODS					Modification Number / Title: AA6606 / AH-64 APACHE MODS				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: Longbow Apache			Modification Type: Operational & Reliability Improvements and Resolve Obsolescence Issues					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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)	
M-DSA	310 / 371.081	7 / 12.831	9 / 19.366	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	326 / 403.278	
Subtotal: Recurring	460 / 420.915	7 / 12.831	9 / 19.366	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	476 / 453.112	
Subtotal: Sensors	487 / 526.581	7 / 14.920	9 / 24.407	- / 6.982	- / -	- / 6.982	- / 6.396	- / 13.015	- / 7.955	- / 8.571	- / -	503 / 608.827	
Modification Item 4 of 7: Training Systems													
A Kits													
Recurring													
Operator Devices	- / 107.285	- / 0.686	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Maintainer Devices	- / 35.042	- / 4.003	- / 6.340	- / 0.809	- / -	- / 0.809	- / 0.826	- / 1.696	- / 1.730	- / 1.764	Continuing	Continuing	
Other Support	- / 12.520	- / 0.921	- / 0.837	- / 0.064	- / -	- / 0.064	- / 0.110	- / 3.516	- / 1.539	- / 1.757	Continuing	Continuing	
Courseware and Devices	- / 1.628	- / 1.488	- / -	- / -	- / -	- / -	- / -	- / 1.287	- / -	- / -	Continuing	Continuing	
Subtotal: Recurring	- / 156.475	- / 7.098	- / 7.177	- / 0.873	- / -	- / 0.873	- / 0.936	- / 6.499	- / 3.269	- / 3.521	Continuing	Continuing	
Subtotal: Training Systems	- / 156.475	- / 7.098	- / 7.177	- / 0.873	- / -	- / 0.873	- / 0.936	- / 6.499	- / 3.269	- / 3.521	Continuing	Continuing	
Modification Item 5 of 7: Hellfire Missile Launchers													
A Kits													
Recurring													
Hellfire Missile Launchers	- / 50.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 50.000	
Subtotal: Recurring	- / 50.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 50.000	
Subtotal: Hellfire Missile Launchers	- / 50.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 50.000	
Modification Item 6 of 7: AH-64 Mods Prior Year Cost													
A Kits													
Recurring													
AH-64 Mods Prior Year Cost	- / 8,042.349	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8,042.349	
Subtotal: Recurring	- / 8,042.349	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8,042.349	
Subtotal: AH-64 Mods Prior Year Cost	- / 8,042.349	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8,042.349	
Modification Item 7 of 7: Spike NLOS Integration													
A Kits													
Recurring													
Spike NLOS Integration	- / -	21 / 35.237	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 35.237	
Subtotal: Recurring	- / -	21 / 35.237	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 35.237	
B Kits													

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Exhibit P-3a, Individual Modification: PB 2024 Army										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 2706AA6605 / AH-64 MODS						Modification Number / Title: AA6606 / AH-64 APACHE MODS			
ID Code (A=Service Ready, B=Not Service Ready) :								MDAP/MAIS Code:					
Models of Systems Affected: Longbow Apache				Modification Type: Operational & Reliability Improvements and Resolve Obsolescence Issues				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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)	
Recurring													
Spike NLOS Hardware	18 / 37.433	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 37.433	
Subtotal: Recurring	18 / 37.433	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 37.433	
Subtotal: Spike NLOS Integration	18 / 37.433	21 / 35.237	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 72.670	
Subtotal: Procurement, All Modification Items	505 / 9,153.504	28 / 118.560	9 / 85.840	- / 113.127	- / -	- / 113.127	- / 46.724	- / 96.740	- / 95.879	- / 70.368	Continuing	Continuing	
Installation													
Modification Item 1 of 7: Airframe	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	
Modification Item 2 of 7: Mission Command	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	
Modification Item 3 of 7: Sensors	360 / -	7 / -	9 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	376 / -	
Modification Item 4 of 7: Training Systems	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	
Modification Item 5 of 7: Hellfire Missile Launchers	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	
Modification Item 6 of 7: AH-64 Mods Prior Year Cost	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	
Modification Item 7 of 7: Spike NLOS Integration	18 / -	21 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / -	
Subtotal: Installation	383 / -	28 / -	9 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	420 / -	
Total													
Total Cost (Procurement + Support + Installation)	9,153.504	118.560	85.840	113.127	-	113.127	46.724	96.740	95.879	70.368	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2024 Army											Date: March 2023																				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10										P-1 Line Item Number / Title: 2706AA6605 / AH-64 MODS										Modification Number / Title: AA6606 / AH-64 APACHE MODS											
ID Code (A=Service Ready, B=Not Service Ready) :															MDAP/MAIS Code:																
Modification Item 1 of 7: Airframe																															
Manufacturer Information																															
Manufacturer Name: Various														Manufacturer Location: Various																	
Administrative Leadtime (in Months):														Production Leadtime (in Months):																	
Dates		FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Modifications																															
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		1 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.000								
FY 2022		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2023		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2024		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2025		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2026		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2027		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2028		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
Total		1 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.000								
Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Out	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army											<b>Date:</b> March 2023																				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 2706AA6605 / AH-64 MODS										<b>Modification Number / Title:</b> AA6606 / AH-64 APACHE MODS											
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :															<b>MDAP/MAIS Code:</b>																
<b>Modification Item 2 of 7:</b> Mission Command																															
<b>Manufacturer Information</b>																															
Manufacturer Name: Various														Manufacturer Location: Various																	
Administrative Leadtime <i>(in Months)</i> :														Production Leadtime <i>(in Months)</i> :																	
<b>Dates</b>		<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</b>					
Contract Dates																															
Delivery Dates																															
<b>Installation Information</b>																															
<b>Method of Implementation:</b> .																															
<b>Installation Cost</b>		<b>Prior Years</b>		<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>		<b>FY 2025</b>		<b>FY 2026</b>		<b>FY 2027</b>		<b>FY 2028</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		1 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.000					
FY 2022		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2023		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2024		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		1 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.000					
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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
Out	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

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## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army											<b>Date:</b> March 2023																								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 2706AA6605 / AH-64 MODS										<b>Modification Number / Title:</b> AA6606 / AH-64 APACHE MODS															
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :											<b>MDAP/MAIS Code:</b>																								
<b>Modification Item 4 of 7:</b> Training Systems																																			
<b>Manufacturer Information</b>																																			
Manufacturer Name: Boeing / LSI Inc													Manufacturer Location: St. Louis, MO / Jacksonville, FL																						
Administrative Leadtime (in Months):													Production Leadtime (in Months):																						
<b>Dates</b>	<b>FY 2022</b>					<b>FY 2023</b>					<b>FY 2024</b>					<b>FY 2025</b>					<b>FY 2026</b>					<b>FY 2027</b>					<b>FY 2028</b>				
Contract Dates																																			
Delivery Dates																																			
<b>Installation Information</b>																																			
<b>Method of Implementation:</b> Field Retrofits																																			
<b>Installation Cost</b>		<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</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)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																				
Prior Years		1 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000																					
FY 2022		0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2023		0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2024		0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2025		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2026		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2027		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2028		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
Total		1 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000																					
<b>Installation Schedule</b>																																			
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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				
Out	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1				



UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army											Date: March 2023																				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10										P-1 Line Item Number / Title: 2706AA6605 / AH-64 MODS										Modification Number / Title: AA6606 / AH-64 APACHE MODS											
ID Code (A=Service Ready, B=Not Service Ready) :															MDAP/MAIS Code:																
Modification Item 5 of 7: Hellfire Missile Launchers																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin Missiles and Fire Control															Manufacturer Location: Orlando, Florida																
Administrative Leadtime (in Months):															Production Leadtime (in Months):																
Dates		FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Arment																															
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		1 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.000						
FY 2022		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2023		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
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FY 2026		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
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To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
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Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Out	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army											<b>Date:</b> March 2023																				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 2706AA6605 / AH-64 MODS										<b>Modification Number / Title:</b> AA6606 / AH-64 APACHE MODS											
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :															<b>MDAP/MAIS Code:</b>																
<b>Modification Item 6 of 7:</b> AH-64 Mods Prior Year Cost																															
<b>Manufacturer Information</b>																															
Manufacturer Name: Various														Manufacturer Location: Various																	
Administrative Leadtime <i>(in Months)</i> :														Production Leadtime <i>(in Months)</i> :																	
<b>Dates</b>		<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</b>					
Contract Dates																															
Delivery Dates																															
<b>Installation Information</b>																															
<b>Method of Implementation:</b> Modifications																															
<b>Installation Cost</b>		<b>Prior Years</b>		<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>		<b>FY 2025</b>		<b>FY 2026</b>		<b>FY 2027</b>		<b>FY 2028</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)							
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FY 2022		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
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FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
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FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		1 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.000					
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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
Out	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army											Date: March 2023																				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10					P-1 Line Item Number / Title: 2706AA6605 / AH-64 MODS											Modification Number / Title: AA6606 / AH-64 APACHE MODS															
ID Code (A=Service Ready, B=Not Service Ready) :											MDAP/MAIS Code:																				
Modification Item 7 of 7: Spike NLOS Integration																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin											Manufacturer Location: Orlando, Florida																				
Administrative Leadtime (in Months):											Production Leadtime (in Months): 16																				
Dates		FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028					
Contract Dates		Feb 2022																													
Delivery Dates						Jul 2023																									
Installation Information																															
Method of Implementation: Modifications																															
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		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)								
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FY 2024		18 / 0.000	21 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		39 / 0.000								
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To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
Total		18 / 0.000	21 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		39 / 0.000								
Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18		
Out	-	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18		

## UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft							<b>P-1 Line Item Number / Title:</b> 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)					
<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> 278												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	11,097.486	21.918	49.919	20.689	-	20.689	15.794	17.947	17.953	17.916	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	1,168.857	-	-	-	-	-	-	-	-	-	-	1,168.857
Net Procurement (P-1) ( <i>\$ in Millions</i> )	9,928.629	21.918	49.919	20.689	-	20.689	15.794	17.947	17.953	17.916	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	1,168.857	-	-	-	-	-	-	-	-	-	-	1,168.857
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>11,097.486</b>	<b>21.918</b>	<b>49.919</b>	<b>20.689</b>	<b>-</b>	<b>20.689</b>	<b>15.794</b>	<b>17.947</b>	<b>17.953</b>	<b>17.916</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<p><b>Description:</b></p> <p>The CH-47F Chinook, the Army's only heavy lift helicopter, is an essential component of the Army's Aviation Campaign Objective of Modernizing, Equipping, and Sustaining the Army Aviation Portfolio of 2030 to Successfully Conduct Multi-Domain Operations (MDO) as part of an integrated Joint Force.</p> <p>The major modifications to the CH-47F include: the development, test, and fielding of updates for the Common Avionics Architecture System (CAAS) and the Digital Automatic Flight Control System (DAFCS) that provide improvements in cyber security, COMSEC, and aircraft handling qualities; the fielding of the Cargo Platform Health Environment (CPHE), the Improved Vibration Control System (IVCS) to COMPOS 2 &amp; 3, Training Aids Devices Simulators and Simulations (TADSS) concurrency with the fleet, equipment refresh, the enduring requirement for software enhancement, and avionics hardware refresh and safety improvements. The Block I aircraft, with provisions for anticipated upgrades, is postured to support the rigorous demands of Multi-Domain Operations.</p> <p>Avionics updates and safety improvements to maintain the H-47 Avionics and Software systems include: the Common Avionics Architecture System (CAAS), the Digital Automatic Flight Control System (DAFCS), and the Cargo Platform Health Environment (CPHE) systems. Requirements driven by changes in military interoperability, cyber security threats, and commercial airspace navigation require software systems updates, testing, integration, training, and logistics support. The funding priorities are the development, testing, and fielding of improvements in cyber security, aircraft handling qualities, Degraded Visual Environment (DVE) performance, COMSEC improvements, A-PNT integration, multi-core processors, and expansion of the flexibility provided by the CAAS Modular Open Systems Approach. The rapid pace of change in the commercial electronics hardware market, the evolving cyber security threats, and the requirement to remain interoperable, create a need for recurring updates to the design of avionics hardware and software.</p> <p>Training Aids, Devices, Simulators, and Simulations (TADSS) system computers and projectors require a technical refresh. If any of these systems fail, all TADSS devices (Transportable Flight Proficiency Simulator (TFPS), Chinook Maintenance Trainer (CHMT), Chinook Avionics Trainer (CAT), and Virtual Interactive Environment (VIE)) will not function, negatively impacting aircrew and maintainer training and availability at the unit level. The CATs require concurrency upgrades to match the CH-47F CAAS V9.4 and DAFCS 3.3 fleet configuration enhancements.</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	21.918	49.919	20.689	-	20.689	15.794	17.947	17.953	17.916		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft					P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 278										
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	21.918	49.919	20.689	-	20.689	15.794	17.947	17.953	17.916

**UNCLASSIFIED**

Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft					P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)						
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: 278											
Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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	AA0252 / CH-47 Cargo Helicopter Mods (MYP) (Unclassified)				- / 11,097.486	- / 21.918	- / 49.919	- / 20.689	- / -	- / 20.689	
P-40	Total Gross/Weapon System Cost				- / 11,097.486	- / 21.918	- / 49.919	- / 20.689	- / -	- / 20.689	
Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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	AA0252 / CH-47 Cargo Helicopter Mods (MYP) (Unclassified)				- / 15.794	- / 17.947	- / 17.953	- / 17.916	Continuing	Continuing	
P-40	Total Gross/Weapon System Cost				- / 15.794	- / 17.947	- / 17.953	- / 17.916	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.											
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.											

**Justification:**

FY2024 base procurement dollars in the amount of \$20.689 million supports avionics updates and improvements fielded across the fleet.

Funding procures critical avionics updates and safety improvements to maintain the H-47 Avionics and Software systems including the Common Avionics Architecture System (CAAS) and the Digital Automatic Flight Control System (DAFCS). Requirements driven by changes in military interoperability, cyber security threats, and commercial airspace navigation require software systems updates, testing, integration, training and logistics support. The funding priorities are the development, testing, and fielding of improvements in cyber security, aircraft handling qualities, Cargo Platform Health Environment (CPHE), COMSEC improvements, A-PNT integration, multi-core processors, and expansion of the flexibility provided by the CAAS Modular Open Systems Approach.

In accordance with Section 1815 of the 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the Active and Reserve Components of Armed Forces for homeland and defense missions, domestic emergency responses and providing military support to civil authorities.

## UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)				Modification Number / Title: AA0252 / CH-47 Cargo Helicopter Mods (MYP)				
ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	11,097.486	21.918	49.919	20.689	-	20.689	15.794	17.947	17.953	17.916	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	1,168.857	-	-	-	-	-	-	-	-	-	-	1,168.857
Net Procurement (P-1) (\$ in Millions)	9,928.629	21.918	49.919	20.689	-	20.689	15.794	17.947	17.953	17.916	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	1,168.857	-	-	-	-	-	-	-	-	-	-	1,168.857
Total Obligation Authority (\$ in Millions)	11,097.486	21.918	49.919	20.689	-	20.689	15.794	17.947	17.953	17.916	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 Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Description:												
The CH-47F Chinook, the Army's only heavy lift helicopter, is an essential component of the Army's Aviation Campaign Objective of Modernizing, Equipping, and Sustaining the Army Aviation Portfolio of 2030 to Successfully Conduct Multi-Domain Operations (MDO) as part of an integrated Joint Force.												
The major modifications to the CH-47F include: the development, test, and fielding of updates for the Common Avionics Architecture System (CAAS) and the Digital Automatic Flight Control System (DAFCS) that provide improvements in cyber security, COMSEC, and aircraft handling qualities; the fielding of the Cargo Platform Health Environment (CPHE), the Improved Vibration Control System (IVCS) to COMPOS 2 & 3, Training Aids Devices Simulators and Simulations (TADSS) concurrency with the fleet, equipment refresh, the enduring requirement for software enhancement, and avionics hardware refresh and safety improvements. The Block I aircraft, with provisions for anticipated upgrades, is postured to support the rigorous demands of Multi-Domain Operations.												
Avionics updates and safety improvements to maintain the H-47 Avionics and Software systems include: the Common Avionics Architecture System (CAAS), the Digital Automatic Flight Control System (DAFCS), and the Cargo Platform Health Environment (CPHE) systems. Requirements driven by changes in military interoperability, cyber security threats, and commercial airspace navigation require software systems updates, testing, integration, training, and logistics support. The funding priorities are the development, testing, and fielding of improvements in cyber security, aircraft handling qualities, Degraded Visual Environment (DVE) performance, COMSEC improvements, A-PNT integration, multi-core processors, and expansion of the flexibility provided by the CAAS Modular Open Systems Approach. The rapid pace of change in the commercial electronics hardware market, the evolving cyber security threats, and the requirement to remain interoperable, create a need for recurring updates to the design of avionics hardware and software.												
Training Aids, Devices, Simulators, and Simulations (TADSS) system computers and projectors require a technical refresh. If any of these systems fail, all TADSS devices (Transportable Flight Proficiency Simulator (TFPS), Chinook Maintenance Trainer (CHMT), Chinook Avionics Trainer (CAT), and Virtual Interactive Environment (VIE)) will not function, negatively impacting aircrew and maintainer training and availability at the unit level. The CATs require concurrency upgrades to match the CH-47F CAAS V9.4 and DAFCS 3.3 fleet configuration enhancements.												
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	21.918	49.919	20.689	-	20.689	15.794	17.947	17.953	17.916		
Total:	Quantity	-	-	-	-	-	-	-	-	-		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)				Modification Number / Title: AA0252 / CH-47 Cargo Helicopter Mods (MYP)			
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:					
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	21.918	49.919	20.689	-	20.689	15.794	17.947	17.953	17.916



## UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)				Modification Number / Title: AA0252 / CH-47 Cargo Helicopter Mods (MYP)					
ID Code (A=Service Ready, B=Not Service Ready) :								MDAP/MAIS Code:					
Models of Systems Affected: CH-47				Modification Type: Unclassified				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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 11: Block I Software & Avionics Upgrades													
A Kits													
Non-Recurring													
Avionics Updates (CAAS, DAFCS, CPHE)	- / 25.591	- / 4.085	- / 6.809	- / 9.957	- / -	- / 9.957	- / 0.261	- / 14.813	- / 14.806	- / 17.916	Continuing	Continuing	
Safety Impr (SW Corrections, Cyber)	- / 6.144	- / 2.723	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Non-Recurring	- / 31.735	- / 6.808	- / 6.809	- / 9.957	- / -	- / 9.957	- / 0.261	- / 14.813	- / 14.806	- / 17.916	Continuing	Continuing	
B Kits													
Recurring													
SEPM	- / 3.405	- / 3.110	- / 3.110	- / 3.128	- / -	- / 3.128	- / 3.131	- / 3.134	- / 3.147	- / -	Continuing	Continuing	
Subtotal: Recurring	- / 3.405	- / 3.110	- / 3.110	- / 3.128	- / -	- / 3.128	- / 3.131	- / 3.134	- / 3.147	- / -	Continuing	Continuing	
Subtotal: Block I Software & Avionics Upgrades	- / 35.140	- / 9.918	- / 9.919	- / 13.085	- / -	- / 13.085	- / 3.392	- / 17.947	- / 17.953	- / 17.916	Continuing	Continuing	
Modification Item 2 of 11: Degraded Visual Environment													
A Kits													
Non-Recurring													
CH-47 degraded visual environments	- / -	- / -	- / 25.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 25.000	
Subtotal: Non-Recurring	- / -	- / -	- / 25.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 25.000	
Subtotal: Degraded Visual Environment	- / -	- / -	- / 25.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 25.000	
Modification Item 3 of 11: Block I COOLS & COOLS BPS													
A Kits													
Recurring													
Cargo Handling Floor System	- / 1,854.411	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,854.411	
Ballistic Protection System (BPS)	- / 333.768	30 / 8.500	- / 14.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 356.518	
PM Support	- / 4.408	- / 1.500	- / 0.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.658	
Cargo Handling Floor System (OCO)	- / 29.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 29.300	
PM Support (OCO)	- / 8.010	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.010	
Subtotal: Recurring	- / 2,229.897	30 / 10.000	- / 15.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 2,254.897	
Subtotal: Block I COOLS & COOLS BPS	- / 2,229.897	30 / 10.000	- / 15.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 2,254.897	

**UNCLASSIFIED**

Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)				Modification Number / Title: AA0252 / CH-47 Cargo Helicopter Mods (MYP)					
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: CH-47				Modification Type: Unclassified				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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 4 of 11: Block I Cargo Platform Health Environment (CPHE)													
A Kits													
Recurring													
Kits Type 1	131 / 3,075.058	- / -	- / -	- / 3.559	- / -	- / 3.559	- / 5.803	- / -	- / -	- / -	199 / 42.387	330 / 3,126.807	
CPHE Software Upgrade	- / 595.796	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 595.796	
Services	- / 57.549	- / -	- / -	- / 3.559	- / -	- / 3.559	- / 5.803	- / -	- / -	- / -	- / -	- / 66.911	
PM Support	- / 1.170	- / -	- / -	- / 0.486	- / -	- / 0.486	- / 0.796	- / -	- / -	- / -	- / -	- / 2.452	
Subtotal: Recurring	131 / 3,729.573	- / -	- / -	- / 7.604	- / -	- / 7.604	- / 12.402	- / -	- / -	- / -	199 / 42.387	330 / 3,791.966	
Non-Recurring													
NRE	- / 6.751	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.751	
Subtotal: Non-Recurring	- / 6.751	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.751	
Subtotal: Block I Cargo Platform Health Environment (CPHE)	131 / 3,736.324	- / -	- / -	- / 7.604	- / -	- / 7.604	- / 12.402	- / -	- / -	- / -	199 / 42.387	330 / 3,798.717	
Modification Item 5 of 11: Block I CH-47 Safety Mods \$5M or Less													
A Kits													
Recurring													
Voltage Standing Wave Ratio (VSWR)	- / 2.239	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
FCTS (FADEC Continuity Test Set)	- / 6.430	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Misc Mods	- / 15.592	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Swashplate Assembly	- / 0.575	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Hook Load Measuring System	- / 10.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Engine Air Particle Separator (EAPS)	- / 21.195	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
PM Support	- / 11.776	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Frangible Fuel Fitting	- / 10.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Recurring	- / 77.807	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Non-Recurring													
Critical Safety Issues	1 / 7.414	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Non-Recurring	1 / 7.414	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Block I CH-47 Safety Mods \$5M or Less	1 / 85.221	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	

**UNCLASSIFIED**

Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)				Modification Number / Title: AA0252 / CH-47 Cargo Helicopter Mods (MYP)					
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: CH-47				Modification Type: Unclassified				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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 6 of 11: Block I Improved Vibration Control System (IVCS)													
A Kits													
Recurring													
Kits	251 / 133.534	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
PM Support	- / 1.275	- / 0.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Recurring	251 / 134.809	- / 0.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Block I Improved Vibration Control System (IVCS)	251 / 134.809	- / 0.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Modification Item 7 of 11: Improved Troop Seats (ITS)													
A Kits													
Recurring													
Installation Kits	- / 14.653	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.653	
Subtotal: Recurring	- / 14.653	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.653	
Subtotal: Improved Troop Seats (ITS)	- / 14.653	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.653	
Modification Item 8 of 11: Block I Adjustable Pitch Change Link													
A Kits													
Recurring													
Pitch Change Links	- / 2.311	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.311	
PM Support	- / 0.158	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.158	
Subtotal: Recurring	- / 2.469	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.469	
Non-Recurring													
NRE	- / 15.582	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.582	
Subtotal: Non-Recurring	- / 15.582	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.582	
Subtotal: Block I Adjustable Pitch Change Link	- / 18.051	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.051	
Modification Item 9 of 11: Block I Engine Improvements													
A Kits													
Recurring													
T55 Engine Control Unit Prog (ECU)	- / 45.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 45.000	
New Engines	- / 4,495.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4,495.000	

**UNCLASSIFIED**

Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)				Modification Number / Title: AA0252 / CH-47 Cargo Helicopter Mods (MYP)					
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: CH-47				Modification Type: Unclassified				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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)	
P3 Check Valve	- / 4.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.900	
Next Generation Torque System	- / 14.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.500	
Logistics	- / 39.953	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 39.953	
ECU Upgrade	- / 5.760	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.760	
RIMFIRE	- / 2.159	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.159	
PM Admin Support	- / 4.613	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.613	
Subtotal: Recurring	- / 4,611.885	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4,611.885	
Non-Recurring													
ECP NRE/Incorporation	- / 1.062	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.062	
Subtotal: Non-Recurring	- / 1.062	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.062	
Subtotal: Block I Engine Improvements	- / 4,612.947	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4,612.947	
Modification Item 10 of 11: Block I Aircraft Component Parts-Marking (UID)													
A Kits													
Non-Recurring													
Component Markings	- / 37.506	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 37.506	
Subtotal: Non-Recurring	- / 37.506	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 37.506	
Subtotal: Block I Aircraft Component Parts-Marking (UID)	- / 37.506	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 37.506	
Modification Item 11 of 11: Block I Systems Optimization & Payload Restoration													
A Kits													
Recurring													
PM Support	- / 7.853	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.853	
Subtotal: Recurring	- / 7.853	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.853	
Non-Recurring													
NRE	- / 157.065	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 157.065	
Subtotal: Non-Recurring	- / 157.065	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 157.065	
Subtotal: Block I Systems Optimization & Payload Restoration	- / 164.918	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 164.918	
Subtotal: Procurement, All Modification Items	383 / 11,069.466	30 / 20.668	- / 49.919	- / 20.689	- / -	- / 20.689	- / 15.794	- / 17.947	- / 17.953	- / 17.916	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army							Date: March 2023						
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)					Modification Number / Title: AA0252 / CH-47 Cargo Helicopter Mods (MYP)				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: CH-47				Modification Type: Unclassified					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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)	
Installation													
Modification Item 3 of 11: Block I COOLS & COOLS BPS	264 / 19.567	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	264 / 19.567	
Modification Item 4 of 11: Block I Cargo Platform Health Environment (CPHE)	83 / 7.470	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Modification Item 6 of 11: Block I Improved Vibration Control System (IVCS)	23 / 0.983	38 / 1.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Installation	370 / 28.020	38 / 1.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Total													
Total Cost (Procurement + Support + Installation)	11,097.486	21.918	49.919	20.689	-	20.689	15.794	17.947	17.953	17.916	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)			Modification Number / Title: AA0252 / CH-47 Cargo Helicopter Mods (MYP)	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 1 of 11: Block I Software & Avionics Upgrades							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): TBD					Installation Quantity: 462		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)			Modification Number / Title: AA0252 / CH-47 Cargo Helicopter Mods (MYP)	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 2 of 11: Degraded Visual Environment							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): TBD					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army										Date: March 2023																					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10										P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)										Modification Number / Title: AA0252 / CH-47 Cargo Helicopter Mods (MYP)											
ID Code (A=Service Ready, B=Not Service Ready) :															MDAP/MAIS Code:																
Modification Item 3 of 11: Block I COOLS & COOLS BPS																															
Manufacturer Information																															
Manufacturer Name: Boeing															Manufacturer Location: Ridley Park, PA																
Administrative Leadtime (in Months): 1															Production Leadtime (in Months): 1																
Dates		FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Various																															
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		264 / 19.567		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		264 / 19.567							
FY 2022		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2023		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2024		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		264 / 19.567		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		264 / 19.567							
Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	264	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Out	264	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			



## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army												<b>Date:</b> March 2023																			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)										<b>Modification Number / Title:</b> AA0252 / CH-47 Cargo Helicopter Mods (MYP)											
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :														<b>MDAP/MAIS Code:</b>																	
<b>Modification Item 4 of 11:</b> Block I Cargo Platform Health Environment (CPHE)																															
<b>Manufacturer Information</b>																															
Manufacturer Name: Boeing														Manufacturer Location: Ridley Park, PA																	
Administrative Leadtime (in Months): 3														Production Leadtime (in Months): 6																	
<b>Dates</b>		<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</b>					
Contract Dates																															
Delivery Dates																															
<b>Installation Information</b>																															
<b>Method of Implementation:</b> Various																															
<b>Installation Cost</b>		<b>Prior Years</b>		<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>		<b>FY 2025</b>		<b>FY 2026</b>		<b>FY 2027</b>		<b>FY 2028</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		83 / 7.470		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		Continuing		Continuing					
FY 2022		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2023		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2024		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		247 / 22.230		247 / 22.230					
Total		83 / 7.470		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		Continuing		Continuing					
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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	131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	199	330
Out	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	247	330

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)			Modification Number / Title: AA0252 / CH-47 Cargo Helicopter Mods (MYP)	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 5 of 11: Block I CH-47 Safety Mods \$5M or Less							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Various					Installation Quantity: 0		

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army											<b>Date:</b> March 2023																				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)										<b>Modification Number / Title:</b> AA0252 / CH-47 Cargo Helicopter Mods (MYP)											
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :															<b>MDAP/MAIS Code:</b>																
<b>Modification Item 6 of 11:</b> Block I Improved Vibration Control System (IVCS)																															
<b>Manufacturer Information</b>																															
Manufacturer Name: Boeing															Manufacturer Location: Ridley Park PA																
Administrative Leadtime (in Months): 6															Production Leadtime (in Months): 6																
<b>Dates</b>		<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</b>					
Contract Dates																															
Delivery Dates																															
<b>Installation Information</b>																															
<b>Method of Implementation:</b> Various																															
<b>Installation Cost</b>		<b>Prior Years</b>		<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>		<b>FY 2025</b>		<b>FY 2026</b>		<b>FY 2027</b>		<b>FY 2028</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		23 / 0.983		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		Continuing		Continuing					
FY 2022		- / -		38 / 1.250		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		Continuing		Continuing					
FY 2023		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2024		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		271 / 11.585		271 / 11.585					
Total		23 / 0.983		38 / 1.250		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		Continuing		Continuing					
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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	251	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	294
Out	23	-	-	6	5	-	-	-	-	6	6	6	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	233	294

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)			Modification Number / Title: AA0252 / CH-47 Cargo Helicopter Mods (MYP)	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 7 of 11: Improved Troop Seats (ITS)							
Manufacturer Information							
Manufacturer Name: Boeing				Manufacturer Location: Ridley Park, PA			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Various					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)			Modification Number / Title: AA0252 / CH-47 Cargo Helicopter Mods (MYP)	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 8 of 11: Block I Adjustable Pitch Change Link							
Manufacturer Information							
Manufacturer Name: Boeing				Manufacturer Location: Ridley Park, PA			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): User Installed					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)			Modification Number / Title: AA0252 / CH-47 Cargo Helicopter Mods (MYP)	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 9 of 11: Block I Engine Improvements							
Manufacturer Information							
Manufacturer Name: Honeywell Inc				Manufacturer Location: Phoenix, AZ			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Various					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)			Modification Number / Title: AA0252 / CH-47 Cargo Helicopter Mods (MYP)	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 10 of 11: Block I Aircraft Component Parts-Marking (UID)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Various					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 3264AA0252 / CH-47 Cargo Helicopter Mods (MYP)			Modification Number / Title: AA0252 / CH-47 Cargo Helicopter Mods (MYP)	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 11 of 11: Block I Systems Optimization & Payload Restoration							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Various					Installation Quantity: 0		



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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft							<b>P-1 Line Item Number / Title:</b> 3403A02111 / GRCS SEMA MODS					
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	28.526	2.762	-	-	-	-	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	28.526	2.762	-	-	-	-	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>28.526</b>	<b>2.762</b>	-	-	-	-	-	-	-	-	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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b>												
<p>The RC-12X Guardrail Common Sensor (GRCS) is a fixed-wing, airborne Communications Intelligence (COMINT) and Electronic Intelligence (ELINT) collection and precision targeting location system. GRCS provides a persistent capability to detect, locate and classify/identify high value targets with a relevant degree of timeliness and accuracy. GRCS is assigned to two (2) U.S. Army Intelligence and Security Command (INSCOM) Aerial Exploitation Battalions providing Aerial Intelligence, Surveillance and Reconnaissance (AISR) support to combatant commanders. The Army's Acquisition Objective/Army's Procurement Objective is 19 RC-12X; seven (7) fielded to 3rd MI; and seven (7) fielded to the 204th MI, and five (5) trainers within Training and Doctrine Command (TRADOC) and INSCOM.</p> <p>This funding line supports Army RC-12X aircraft performing the AISR mission. It provides for the procurement and associated testing of civil and military aircraft equipment and future integration efforts. These modifications address all Department of Defense (DoD) mandated safety equipment to international and Army Standards. These modifications ensure continued worldwide deployment capability and safe operations. Lastly, this line supports ongoing modifications in service.</p> <p>The overall GRCS procurement/modernization efforts are found in the following two lines: AZ2052 Guardrail Payloads (Aircraft Procurement Army (APA) Military Intelligence Program (MIP) P-1 Line #15) and A02111 GRCS SEMA MODS (Aircraft Procurement Army (APA) Military Intelligence Program (MIP) P-1 Line #18). Separate funding lines support the Army Acquisition Executive's directive, codified in the October 28, 2011 memorandum, to assign overall acquisition lead for manned airborne intelligence systems to Program Executive Office for Aviation; and overall sensor, processing, exploitation, and dissemination responsibilities to Program Executive Officer for Intelligence, Electronic Warfare, and Sensors.</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	2.762	-	-	-	-	-	-	-	-		
<b>Total:</b>	Quantity	-	-	-	-	-	-	-	-	-		
<b>Secondary Distribution</b>	Total Obligation Authority	<b>2.762</b>	-	-	-	-	-	-	-	-		
<b>Justification:</b>												

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft		P-1 Line Item Number / Title: 3403A02111 / GRCS SEMA MODS
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
FY23 base procurement funding for this line is \$0.000 million		
FY24 base procurement funding for this line is \$0.000 million		
All COMPO 1. In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft							<b>P-1 Line Item Number / Title:</b> 3404A02110 / ARL SEMA MODS					
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	90.426	14.437	-	-	-	-	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	90.426	14.437	-	-	-	-	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>90.426</b>	<b>14.437</b>	-	-	-	-	-	-	-	-	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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b>												
<p>Airborne Reconnaissance Low - Enhanced (ARL-E) is a worldwide self-deployable airborne Intelligence Surveillance Reconnaissance (ISR) system designed for timely, accurate, assured support to tactical forces over the full spectrum of operations. This system is a De Havilland DHC-8 aircraft replacing the DHC-7 IAW the Aerial ISR (AISR) 2020 Strategy. ARL-E will enhance the ARL-M sensor capability sets through the procurement of new and refurbished sensors to meet the ARL-E Capabilities Production Document (CPD) requirements. It provides a persistent capability to include: Broad-Area Surveillance and/or Focused Stare on Target Areas of Interest (Point or Objective Targets), Electro-Optical/Infrared (EO/IR)/Full-Motion Video (FMV) , Multi-Mode Radar, Robust Communications Intelligence (COMINT), on-Board Collection, Analysis, Sensor Cross Cue and dissemination through Distributed Common Ground System-Army (DCGS-A) enabled workstations. ARL-E will be assigned to the U.S. Army Intelligence and Security Command (INSCOM) Aerial ISR Brigade providing AISR support to combatant commanders. For the overall system, the Army Acquisition Objective and the Army Procurement Objective, is nine (9). The Mission Equipment Package (MEP) objective is eight (8).</p> <p>The funding line supports the conversion of Government Owned Contractor Operated (GOCO) Quick Reaction Capability (QRC) DeHavilland (DHC) 8-315 Aerial Intelligence Surveillance &amp; Reconnaissance aircraft systems, leveraging seven (7) Saturn Arch (SA) and two (2) Desert Owls (DO). It provides for the following: the procurement of spare parts for initial fielding and high value components; procurement, installation and testing of civil and military aircraft equipment and future integration efforts supporting A-ISR modernization in the Multi-Domain Operations (MDO) environment. These modifications address all Department of Defense (DoD) mandated safety equipment to current and evolving international and Army Standards. These modifications ensure continued worldwide deployment capability and safe operations. Lastly, this line supports Pre-planned product improvements (P3I) modifications which includes Assured Position, Navigation and Timing (A-PNT).</p> <p>Separate funding lines support the Army Acquisition Executive's directive, codified in the October 28, 2011 memorandum, to assign overall acquisition lead for manned airborne Intelligence systems to Program Executive Officer for Aviation; and overall sensor, processing, exploitation, and dissemination responsibilities to Program Executive Officer for Intelligence, Electronic Warfare, and Sensors. The A02110 ARL SEMA Mods (Aircraft Procurement Army (APA) Military Intelligence Program (MIP) P-1 Line #19) budget line provides for aircraft modification and AZ2050 ARL Payloads (Aircraft Procurement Army (APA) Military Intelligence Program (MIP) P-1 Line #15) provides for sensors.</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	14.437	-	-	-	-	-	-	-	-		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft					P-1 Line Item Number / Title: 3404A02110 / ARL SEMA MODS					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	14.437	-	-	-	-	-	-	-	-

**Justification:**  
The FY23 base procurement funding for this line is \$0.000 million.

The FY24 base procurement funding for this line is \$0.000 million.

All COMPO 1 Active. In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft							<b>P-1 Line Item Number / Title:</b> 3405A02112 / EMARSS SEMA MODS					
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	267.974	1.568	1.591	-	-	-	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	267.974	1.568	1.591	-	-	-	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>267.974</b>	<b>1.568</b>	<b>1.591</b>	-	-	-	-	-	-	-	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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b>												
<p>The Enhanced Medium Altitude Reconnaissance and Surveillance System (EMARSS) is the Army's newest generation C-12 based, direct support, manned airborne intelligence collection, processing, and targeting support system. It provides a persistent capability to detect, locate, classify/identify, and track surface targets with a high degree of timeliness and accuracy. EMARSS is assigned to the U.S. Army Intelligence and Security Command (INSCOM) Aerial Exploitation Battalions, providing Aerial Intelligence, Surveillance and Reconnaissance support to combatant commanders. EMARSS is also assigned to the United States Army Training and Doctrine Command (TRADOC) in support of training at the US Army Intelligence Center of Excellence (USAICoE). The Army Acquisition Objective for EMARSS is 36 systems, with an Army Procurement Objective of 24, to include the following variants: eight (8) EMARSS-G (Geo-INT); four (4) EMARSS-V (Vehicle and Dismount Exploitation Radar, VaDER); eight (8) EMARSS-M (Multi-INT); and four (4) EMARSS-S (SIGINT).</p> <p>The budget line supports the conversion of Special Electronic Mission Aircraft (SEMA) Government-owned Quick Reaction Capability (QRC) Aerial Intelligence Surveillance &amp; Reconnaissance (AISR) systems: Liberty Project Aircraft (LPA), Constant Hawk (CH) and Tactical Operations (TACOP), VaDER (Vehicle and Dismount exploitation Radar) into Enhanced Medium Altitude Reconnaissance and Surveillance Systems (EMARSS) Capabilities Production Document (CPD) compliant systems. It provides for the following: the procurement of replacement and spare engines; procurement and associated testing of civil and military aircraft equipment; and integration/installation of ISR Mission Equipment Package (MEP) and future integration efforts supporting A-ISR modernization in the Multi-Domain Operations (MDO) environment. These modifications ensure all Department of Defense (DoD) mandated safety equipment complies with current and evolving international and Army Standards. These modifications ensure continued worldwide deployment capability and safe operations. Lastly, this line supports future modifications in service.</p> <p>The overall EMARSS procurement/modernization efforts are found in the following two lines; AZ2054 EMARSS Payloads (Aircraft Procurement Army (APA) Military Intelligence Program (MIP) P-1 Line #15) line provides for sensors and A02112 EMARSS SEMA Mods (Aircraft Procurement Army (APA) Military Intelligence Program (MIP) P-1 Line #20) provides for aircraft modifications. Separate funding lines support the Army Acquisition Executive's directive, codified in the October 28, 2011 memorandum, to assign overall acquisition lead for manned airborne intelligence systems to Program Executive Officer for Aviation; and overall sensor, processing, exploitation, and dissemination responsibilities to Program Executive Officer for Intelligence, Electronic Warfare, and Sensors.</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.568	1.591	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft					P-1 Line Item Number / Title: 3405A02112 / EMARSS SEMA MODS					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	1.568	1.591	-	-	-	-	-	-	-
Justification: FY23 Base Procurement dollars in the amount of \$1.591 million supports modifications in service, such as the installation of previously procured Mission Enhancement Kits (MEK). Mission Enhancement kits include PT6A-67A engines, light weight composite propellers, light weight lithium ion batteries and anti-lock braking system which are designed to increase endurance, increase safety, and reduce risk in the extreme environmental conditions of high altitude combined with hot temperature conditions. Mission Enhancement Kits will increase operational capability by allowing the aircraft to carry more fuel, which equates to more time on station. Modifications in service also include modernized avionics, such as Assured Position, Navigation and Timing (A-PNT), cockpit management unit, Blue Force Tracking-Aviation (BFT-AVN) to BFT-2 conversion, APX-123 Transponder to APX-119 Transponder and Aircraft Survivability Equipment (ASE) integration.  The FY24 base procurement funding for the line is \$0.000 million.  All COMPO 1 Active. In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.										

## UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft						<b>P-1 Line Item Number / Title:</b> 4194AA0270 / Utility/Cargo Airplane Mods						
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	422.574	8.530	-	-	-	-	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	422.574	8.530	-	-	-	-	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>422.574</b>	<b>8.530</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b>												
<p>The budget line supports the updates and modernization of Army Fixed Wing Aircraft communication, navigation, surveillance, survivability equipment, and Department of Defense (DoD) mandated safety equipment to current and evolving international and Army standards. The budget line provides for the procurement of replacement and spare engines for Fixed Wing Aircraft. In addition, it provides for the procurement and associated testing of civil and military aircraft modification equipment. This budget line will also be used to modify Fixed Wing Aircraft to include Engineer, Furnish and Install (EF&amp;I) of modifications as a complete contractual effort. It also leverages Federal Aviation Administration (FAA) supplemental type certificates (STC) that are already in existence and applies STCs to aircraft modifications. These modifications ensure continued worldwide deployment capability and safe operations. This Procurement line funds aircraft modifications for all three (3) Compos; Active, Army National Guard, and Army Reserve.</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	8.530	-	-	-	-	-	-	-	-		
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-		
	<b>Total Obligation Authority</b>	<b>8.530</b>	-	-	-	-	-	-	-	-		
<b>Justification:</b>												
FY 2023 base procurement funding for this line is \$0.000 million.												
FY2024 base procurement funding for this line is \$0.000 million.												
In accordance with section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110 - 181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.												

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft							<b>P-1 Line Item Number / Title:</b> 6949AA0480 / Utility Helicopter Mods					
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,742.847	25.326	39.346	35.879	-	35.879	35.375	37.662	38.391	37.943	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	13.500	-	-	-	-	-	-	-	-	-	-	13.500
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,729.347	25.326	39.346	35.879	-	35.879	35.375	37.662	38.391	37.943	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	13.500	-	-	-	-	-	-	-	-	-	-	13.500
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1,742.847</b>	<b>25.326</b>	<b>39.346</b>	<b>35.879</b>	<b>-</b>	<b>35.879</b>	<b>35.375</b>	<b>37.662</b>	<b>38.391</b>	<b>37.943</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b> Utility Helicopter Mods include modifications to the UH-60 Black Hawk and the UH-72A Lakota helicopters. The UH-60 Black Hawk helicopter is the Army's utility helicopter for the near and midterm force. It is a twin engine, single rotor, four bladed utility helicopter used for air assault, general support, command & control, and aero-medical evacuations (MEDEVAC). The UH-60 is joint force capable, providing 24 hour/day support including operations at night and in adverse weather conditions. The UH-60 is designed to carry a crew of four plus eleven combat equipped troops or an external load up to 9,000 pounds. The UH-60 Black Hawk was fielded in 1978 as a replacement for the UH-1. From 1978 to 1988, UH-60As were produced. In 1989 production of UH-60Ls with improved engines and drive train began. In 2007, full rate production of UH-60Ms began which provided a digital cockpit, digital Flight Management System (FMS), improved engine, and wide-cord main rotor blades. The UH-72A Lakota helicopter provides general aviation support for aviation units in the active and reserve components.												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-	-	
	Total Obligation Authority	25.326	39.346	35.879	-	35.879	35.375	37.662	38.391	37.943		
<b>Total:</b> <b>Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-		
	<b>Total Obligation Authority</b>	<b>25.326</b>	<b>39.346</b>	<b>35.879</b>	<b>-</b>	<b>35.879</b>	<b>35.375</b>	<b>37.662</b>	<b>38.391</b>	<b>37.943</b>		



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Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft					P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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	AA0492 / UTILITY HELICOPTER MODS (Operational)				- / 1,742.847	- / 25.326	- / 39.346	- / 35.879	- / -	- / 35.879
P-40	Total Gross/Weapon System Cost				- / 1,742.847	- / 25.326	- / 39.346	- / 35.879	- / -	- / 35.879
Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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	AA0492 / UTILITY HELICOPTER MODS (Operational)				- / 35.375	- / 37.662	- / 38.391	- / 37.943	Continuing	Continuing
P-40	Total Gross/Weapon System Cost				- / 35.375	- / 37.662	- / 38.391	- / 37.943	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.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**

FY22 Congressional Add of Procurement dollars in the amount of \$9.5M, procured 70 A&B 60kVA Generator Shipset Kits which will provide additional power for future systems such as Common Infrared Countermeasure (CIRCM), Degraded Visual Environment (DVE), and the Future Waveform Radio.

In FY22, a funding realignment was approved to take \$13.299M from Upturned Exhaust System and apply to the 60kVa generator effort. The realigned amount and the initial generators base dollars in the amount of \$1.258M, giving a total of \$14.557M for generators, procured and installed 60kVA A and B kits to fully equip the H-60M fleet [as we move toward Army 2030].

FY22 Base dollars in the amount of \$1.269M, installed Upturned Exhaust Systems I/II (UES I/II). The Upturned Exhaust System I/II (UES I/II) provides a Safety, Reliability, Maintainability, and reduced Weight improvement over the current UES design. It also provides the following benefits: Substantial reductions in IR signature to counter emerging threats; Common hardware across all H-60 platforms; and 100% organic reparability.

FY23 Base dollars in the amount of \$1.399M, will install 60 kVA Generator A-kits. The UH-60L/M/V 60kVA generator provides additional power for future systems such as Common Infrared Countermeasure (CIRCM), Degraded Visual Environment (DVE), and the Future Waveform Radio.

A planned FY23 realignment in the amount of \$5.281M from the Electronic Standby Instrument Systems (ESIS), \$0.563M from Upturned Exhaust Systems II (UES II) installs, \$3.813M from Upturned Exhaust Systems II (UES II) procurement, and \$10.290 from 60kVA Generator A Kits, totaling \$19.947M will procure 60 kVA Generator B-kits. The UH-60L/M/V 60kVA generator provides additional power for future systems such as Common Infrared Countermeasure (CIRCM), Degraded Visual Environment (DVE), and the Future Waveform Radio.

FY23 Congressional Add of Procurement dollars in the amount of \$8.0M, will procure the Load Stability System (LSS) for MEDEVAC. The LSS is a piece of equipment utilized during rescue hoist operations to reduce oscillation and spin of the rescue hoist load.

FY23 Congressional Add of Procurement dollars in the amount of \$10.0M, will procure 60 kVA Generator B-kits. The UH-60L/M/V 60kVA generator provides additional power for future systems such as Common Infrared Countermeasure (CIRCM), Degraded Visual Environment (DVE), and the Future Waveform Radio.

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft		<b>P-1 Line Item Number / Title:</b> 6949AA0480 / Utility Helicopter Mods
<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		
FY24 Base dollars in the amount of \$34.805M, will procure and install Upturned Exhaust Systems I/II (UES I/II). The Upturned Exhaust System I/II (UES I/II) provides a Safety, Reliability, Maintainability, and reduced Weight improvement over the current UES design. It also provides the following benefits: Substantial reductions in IR signature to counter emerging threats; Common hardware across all H-60 platforms; and 100% organic reparability.		
FY24 Base dollars in the amount of \$1.074M, will install 60 kVA Generator A-kits. The UH-60L/M/V 60kVA generator provides additional power for future systems such as Common Infrared Countermeasure (CIRCM), Degraded Visual Environment (DVE), and the Future Waveform Radio.		
In accordance with section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110 - 181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.		

## UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods					Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS			
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:					
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,742.847	25.326	39.346	35.879	-	35.879	35.375	37.662	38.391	37.943	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	13.500	-	-	-	-	-	-	-	-	-	-	13.500
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,729.347	25.326	39.346	35.879	-	35.879	35.375	37.662	38.391	37.943	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	13.500	-	-	-	-	-	-	-	-	-	-	13.500
Total Obligation Authority ( <i>\$ in Millions</i> )	1,742.847	25.326	39.346	35.879	-	35.879	35.375	37.662	38.391	37.943	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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

FY22 Congressional Add of Procurement dollars in the amount of \$9.5M, procured 70 A&B 60kVA Generator Shipset Kits which will provide additional power for future systems such as Common Infrared Countermeasure (CIRCM), Degraded Visual Environment (DVE), and the Future Waveform Radio.

In FY22, a funding realignment was approved to take \$13.299M from Upturned Exhaust System and apply to the 60kVa generator effort. The realigned amount and the initial generators base dollars in the amount of \$1.258M, giving a total of \$14.557M for generators, procured and installed 60kVA A and B kits to fully equip the H-60M fleet [as we move toward Army 2030].

FY22 Base dollars in the amount of \$1.269M, installed Upturned Exhaust Systems I/II (UES I/II). The Upturned Exhaust System I/II (UES I/II) provides a Safety, Reliability, Maintainability, and reduced Weight improvement over the current UES design. It also provides the following benefits: Substantial reductions in IR signature to counter emerging threats; Common hardware across all H-60 platforms; and 100% organic reparability.

FY23 Base dollars in the amount of \$1.399M, will install 60 kVA Generator A-kits. The UH-60L/M/V 60kVA generator provides additional power for future systems such as Common Infrared Countermeasure (CIRCM), Degraded Visual Environment (DVE), and the Future Waveform Radio.

A planned FY23 realignment in the amount of \$5.281M from the Electronic Standby Instrument Systems (ESIS), \$0.563M from Upturned Exhaust Systems II (UES II) installs, \$3.813M from Upturned Exhaust Systems II (UES II) procurement, and \$10.290 from 60kVA Generator A Kits, totaling \$19.947M will procure 60 kVA Generator B-kits. The UH-60L/M/V 60kVA generator provides additional power for future systems such as Common Infrared Countermeasure (CIRCM), Degraded Visual Environment (DVE), and the Future Waveform Radio.

FY23 Congressional Add of Procurement dollars in the amount of \$8.0M, will procure the Load Stability System (LSS) for MEDEVAC. The LSS is a piece of equipment utilized during rescue hoist operations to reduce oscillation and spin of the rescue hoist load.

FY23 Congressional Add of Procurement dollars in the amount of \$10.0M, will procure 60 kVA Generator B-kits. The UH-60L/M/V 60kVA generator provides additional power for future systems such as Common Infrared Countermeasure (CIRCM), Degraded Visual Environment (DVE), and the Future Waveform Radio.

FY24 Base dollars in the amount of \$34.805M, will procure and install Upturned Exhaust Systems I/II (UES I/II). The Upturned Exhaust System I/II (UES I/II) provides a Safety, Reliability, Maintainability, and reduced Weight improvement over the current UES design. It also provides the following benefits: Substantial reductions in IR signature to counter emerging threats; Common hardware across all H-60 platforms; and 100% organic reparability.

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Exhibit P-3a, Individual Modification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods				Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS			
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:					
FY24 Base dollars in the amount of \$1.074M, will install 60 kVA Generator A-kits. The UH-60L/M/V 60kVA generator provides additional power for future systems such as Common Infrared Countermeasure (CIRCM), Degraded Visual Environment (DVE), and the Future Waveform Radio.										
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	25.326	39.346	35.879	-	35.879	35.375	37.662	38.391	37.943
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	25.326	39.346	35.879	-	35.879	35.375	37.662	38.391	37.943

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Exhibit P-3a, Individual Modification: PB 2024 Army									Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods					Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: UH-60, UH-72				Modification Type: Operational					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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 15: UH-60A to UH-60L Conversion													
A Kits													
Recurring													
other	276 / 375.248	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	276 / 375.248	
Subtotal: Recurring	276 / 375.248	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	276 / 375.248	
Non-Recurring													
other	- / 974.469	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 974.469	
Subtotal: Non-Recurring	- / 974.469	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 974.469	
Subtotal: UH-60A to UH-60L Conversion	276 / 1,349.717	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	276 / 1,349.717	
Modification Item 2 of 15: External High Speed Hoist													
A Kits													
Recurring													
Other	285 / 82.321	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	285 / 82.321	
Subtotal: Recurring	285 / 82.321	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	285 / 82.321	
Subtotal: External High Speed Hoist	285 / 82.321	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	285 / 82.321	
Modification Item 3 of 15: Backup Altitude Indicators													
A Kits													
Recurring													
Kit Quantity	265 / 14.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	265 / 14.000	
Subtotal: Recurring	265 / 14.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	265 / 14.000	
Subtotal: Backup Altitude Indicators	265 / 14.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	265 / 14.000	
Modification Item 4 of 15: Crashworthy External Fuel System (CEFS)													
A Kits													
Recurring													
A-Kits (A/L)	822 / 45.857	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	822 / 45.857	
A-Kits (GFE to Production)	32 / 2.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 2.700	
A-Kits (GFE to SAR Actf)	10 / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.600	
B-kits	431 / 56.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	431 / 56.200	
Support Equipment/Other	- / 34.563	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 34.563	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods					Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: UH-60, UH-72				Modification Type: Operational					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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: Recurring	1,295 / 139.920	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,295 / 139.920	
Subtotal: Crashworthy External Fuel System (CEFS)	1,295 / 139.920	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,295 / 139.920	
Modification Item 5 of 15: Engine Inlet Barrier Filter (EIBF)													
A Kits													
Recurring													
EIBF A-Kit	30 / 0.840	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 0.840	
Subtotal: Recurring	30 / 0.840	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 0.840	
B Kits													
Recurring													
EIBF B-Kit	50 / 5.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 5.500	
Subtotal: Recurring	50 / 5.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 5.500	
Subtotal: Engine Inlet Barrier Filter (EIBF)	80 / 6.340	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 6.340	
Modification Item 6 of 15: Enhanced Ballistic Armor Protection System (EBAPS)													
A Kits													
Recurring													
EBAPs Kit	375 / 40.640	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	375 / 40.640	
Other	- / 5.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.000	
Subtotal: Recurring	375 / 45.640	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	375 / 45.640	
Subtotal: Enhanced Ballistic Armor Protection System (EBAPS)	375 / 45.640	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	375 / 45.640	
Modification Item 7 of 15: UH-72 Sustainability Improvements													
A Kits													
Non-Recurring													
UH-72 Sustainability Improvements	- / 10.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.000	
Subtotal: Non-Recurring	- / 10.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.000	
Subtotal: UH-72 Sustainability Improvements	- / 10.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.000	
Modification Item 8 of 15: UH-60M Weight Reduction - Tail Rotor System Design													
A Kits													
Non-Recurring													

## UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods				Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS					
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: UH-60, UH-72				Modification Type: Operational				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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)	
UH-60M Weight Reduction Tail Rotor Desig	- / 11.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.000	
Subtotal: Non-Recurring	- / 11.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.000	
Subtotal: UH-60M Weight Reduction - Tail Rotor System Design	- / 11.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.000	
Modification Item 9 of 15: Electronic Standby Instrument System (ESIS)													
A Kits													
Recurring													
A Kit Recurring	33 / 4.877	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 4.877	
Subtotal: Recurring	33 / 4.877	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 4.877	
B Kits													
Recurring													
B Kit Recurring	26 / 4.804	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 4.804	
Subtotal: Recurring	26 / 4.804	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 4.804	
Subtotal: Electronic Standby Instrument System (ESIS)	59 / 9.681	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	59 / 9.681	
Modification Item 10 of 15: Generators 60 kVA													
A Kits													
Recurring													
Generator A-Kits	42 / 0.404	8 / 0.078	1,076 / 10.290	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,126 / 10.772	
Subtotal: Recurring	42 / 0.404	8 / 0.078	1,076 / 10.290	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,126 / 10.772	
B Kits													
Recurring													
Generator B-Kits	128 / 17.796	8 / 1.113	69 / 10.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	205 / 28.909	
Subtotal: Recurring	128 / 17.796	8 / 1.113	69 / 10.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	205 / 28.909	
Subtotal: Generators 60 kVA	170 / 18.200	16 / 1.191	1,145 / 20.290	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,331 / 39.681	
Modification Item 11 of 15: Upturned Exhaust System I and II (UES I/II)													
B Kits													
Recurring													
UES I B Kit Recurring	19 / 3.732	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 3.732	
UES II B Kit Recurring	32 / 8.377	- / -	14 / 3.813	109 / 30.370	- / -	109 / 30.370	103 / 29.759	109 / 31.332	109 / 32.117	97 / 33.378	Continuing	Continuing	
Subtotal: Recurring	51 / 12.109	- / -	14 / 3.813	109 / 30.370	- / -	109 / 30.370	103 / 29.759	109 / 31.332	109 / 32.117	97 / 33.378	Continuing	Continuing	

## UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army									Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods					Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: UH-60, UH-72				Modification Type: Operational					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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)	
Non-Recurring													
UES I B Kit Non-Recurring	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.000	
Subtotal: Non-Recurring	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.000	
Subtotal: Upturned Exhaust System I and II (UES I/II)	51 / 13.109	- / -	14 / 3.813	109 / 30.370	- / -	109 / 30.370	103 / 29.759	109 / 31.332	109 / 32.117	97 / 33.378	Continuing	Continuing	
Modification Item 12 of 15: Load Stability System (LSS) (Congressional Add)													
A Kits													
Non-Recurring													
Load Stability System	- / 5.500	- / -	- / 8.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.500	
Subtotal: Non-Recurring	- / 5.500	- / -	- / 8.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.500	
Subtotal: Load Stability System (LSS) (Congressional Add)	- / 5.500	- / -	- / 8.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.500	
Modification Item 13 of 15: Generators (After Realignment)													
A Kits													
Recurring													
60kVA Generator A-Kits	770 / 6.934	288 / 3.487	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,058 / 10.421	
Subtotal: Recurring	770 / 6.934	288 / 3.487	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,058 / 10.421	
B Kits													
Recurring													
60kVA Generator B-Kits	- / -	14 / 1.777	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 1.777	
Subtotal: Recurring	- / -	14 / 1.777	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 1.777	
Subtotal: Generators (After Realignment)	770 / 6.934	302 / 5.264	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,072 / 12.198	
Modification Item 14 of 15: FY22 Plus Up (Generator A/B Shipsets)													
A Kits													
Recurring													
A Kits	- / -	70 / 0.616	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 0.616	
Subtotal: Recurring	- / -	70 / 0.616	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 0.616	
B Kits													
Recurring													
B Kits	- / -	70 / 8.884	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 8.884	



## UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods				Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS					
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: UH-60, UH-72			Modification Type: Operational					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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: Recurring	- / -	70 / 8.884	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 8.884	
Subtotal: FY22 Plus Up (Generator A/B Shipsets)	- / -	140 / 9.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	140 / 9.500	
Modification Item 15 of 15: Generators (After Realignment/ A/B Shipsets)													
A Kits													
Recurring													
A/B Shipsets	- / -	45 / 6.194	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 6.194	
Subtotal: Recurring	- / -	45 / 6.194	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 6.194	
Subtotal: Generators (After Realignment/ A/B Shipsets)	- / -	45 / 6.194	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 6.194	
Subtotal: Procurement, All Modification Items	3,626 / 1,712.362	503 / 22.149	1,159 / 32.103	109 / 30.370	- / -	109 / 30.370	103 / 29.759	109 / 31.332	109 / 32.117	97 / 33.378	Continuing	Continuing	
Installation													
Modification Item 4 of 15: Crashworthy External Fuel System (CEFS)	431 / 6.279	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	431 / 6.279	
Modification Item 5 of 15: Engine Inlet Barrier Filter (EIBF)	- / 3.513	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.513	
Modification Item 9 of 15: Electronic Standby Instrument System (ESIS)	170 / 20.029	- / -	62 / 5.281	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	232 / 25.310	
Modification Item 10 of 15: Generators 60 kVA	- / 0.142	8 / 0.067	216 / 1.399	163 / 1.074	- / -	163 / 1.074	185 / 1.262	232 / 1.592	208 / 1.458	- / -	- / -	1,012 / 6.994	
Modification Item 11 of 15: Upturned Exhaust System I and II (UES I/II)	20 / 0.522	50 / 1.269	17 / 0.563	108 / 4.435	- / -	108 / 4.435	104 / 4.354	111 / 4.738	111 / 4.816	90 / 4.565	Continuing	Continuing	
Modification Item 13 of 15: Generators (After Realignment)	- / -	307 / 1.841	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	307 / 1.841	
Subtotal: Installation	621 / 30.485	365 / 3.177	295 / 7.243	271 / 5.509	- / -	271 / 5.509	289 / 5.616	343 / 6.330	319 / 6.274	90 / 4.565	Continuing	Continuing	
Total													
Total Cost (Procurement + Support + Installation)	1,742.847	25.326	39.346	35.879	-	35.879	35.375	37.662	38.391	37.943	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods			Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 1 of 15: UH-60A to UH-60L Conversion							
Manufacturer Information							
Manufacturer Name: Corpus Christi Army Depot				Manufacturer Location: Corpus Christi, TX			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Depot					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods			Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 2 of 15: External High Speed Hoist							
Manufacturer Information							
Manufacturer Name: Breeze Eastern, Inc				Manufacturer Location: Whippany, NJ			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods			Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 3 of 15: Backup Altitude Indicators							
Manufacturer Information							
Manufacturer Name: PIF				Manufacturer Location: Redstone Arsenal, AL			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic					Installation Quantity: 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army											<b>Date:</b> March 2023																				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 6949AA0480 / Utility Helicopter Mods										<b>Modification Number / Title:</b> AA0492 / UTILITY HELICOPTER MODS											
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :															<b>MDAP/MAIS Code:</b>																
<b>Modification Item 4 of 15:</b> Crashworthy External Fuel System (CEFS)																															
<b>Manufacturer Information</b>																															
Manufacturer Name: Robertson Fuel Systems, LLC															Manufacturer Location: Tempe, AZ																
Administrative Leadtime <i>(in Months)</i> :															Production Leadtime <i>(in Months)</i> :																
<b>Dates</b>		<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</b>					
Contract Dates																															
Delivery Dates																															
<b>Installation Information</b>																															
<b>Method of Implementation:</b> Organic																															
<b>Installation Cost</b>		<b>Prior Years</b>	<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>		<b>FY 2025</b>		<b>FY 2026</b>		<b>FY 2027</b>		<b>FY 2028</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		431 / 6.279		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		431 / 6.279							
FY 2022		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2023		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2024		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		431 / 6.279		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		431 / 6.279							
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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	431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	431
Out	431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	431

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army											<b>Date:</b> March 2023																				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 6949AA0480 / Utility Helicopter Mods										<b>Modification Number / Title:</b> AA0492 / UTILITY HELICOPTER MODS											
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :															<b>MDAP/MAIS Code:</b>																
<b>Modification Item 5 of 15:</b> Engine Inlet Barrier Filter (EIBF)																															
<b>Manufacturer Information</b>																															
Manufacturer Name: Donaldson Aerospace & Defense														Manufacturer Location: Chesterfield, MO																	
Administrative Leadtime <i>(in Months)</i> : 1														Production Leadtime <i>(in Months)</i> : 12																	
<b>Dates</b>		<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</b>					
Contract Dates																															
Delivery Dates																															
<b>Installation Information</b>																															
<b>Method of Implementation:</b> Various																															
<b>Installation Cost</b>		<b>Prior Years</b>		<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>		<b>FY 2025</b>		<b>FY 2026</b>		<b>FY 2027</b>		<b>FY 2028</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		0 / 3.513		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		0 / 3.513					
FY 2022		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2023		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2024		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		0 / 3.513		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		0 / 3.513					
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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
Out	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods			Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 6 of 15: Enhanced Ballistic Armor Protection System (EBAPS)							
Manufacturer Information							
Manufacturer Name: The Protective Group, Inc.				Manufacturer Location: Miami Lakes, FL			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods			Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 7 of 15: UH-72 Sustainability Improvements							
Manufacturer Information							
Manufacturer Name: Undetermined				Manufacturer Location: Undetermined			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Various					Installation Quantity: 0		



UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10		P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods			Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 8 of 15: UH-60M Weight Reduction - Tail Rotor System Design							
Manufacturer Information							
Manufacturer Name: United Technologies Corp.				Manufacturer Location: Brea, CA			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Various					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army											Date: March 2023																				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10					P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods											Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS															
ID Code (A=Service Ready, B=Not Service Ready) :											MDAP/MAIS Code:																				
Modification Item 9 of 15: Electronic Standby Instrument System (ESIS)																															
Manufacturer Information																															
Manufacturer Name: L3 Harris											Manufacturer Location: Grand Rapids, MI																				
Administrative Leadtime (in Months): 6											Production Leadtime (in Months): 12																				
Dates		FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028					
Contract Dates						Mar 2023																									
Delivery Dates						Mar 2024																									
Installation Information																															
Method of Implementation: Various																															
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		80 / 12.735		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		80 / 12.735							
FY 2022		84 / 6.744		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		84 / 6.744							
FY 2023		6 / 0.550		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 0.550							
FY 2024		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2025		- / -		- / -		62 / 5.281		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		62 / 5.281							
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		170 / 20.029		- / -		62 / 5.281		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		232 / 25.310							
Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army											<b>Date:</b> March 2023																				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 6949AA0480 / Utility Helicopter Mods										<b>Modification Number / Title:</b> AA0492 / UTILITY HELICOPTER MODS											
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :															<b>MDAP/MAIS Code:</b>																
<b>Modification Item 10 of 15:</b> Generators 60 kVA																															
<b>Manufacturer Information</b>																															
Manufacturer Name: Honeywell Aerospace															Manufacturer Location: Tucson, AZ																
Administrative Leadtime (in Months):															Production Leadtime (in Months):																
<b>Dates</b>		<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</b>					
Contract Dates																															
Delivery Dates																															
<b>Installation Information</b>																															
<b>Method of Implementation:</b> Various																															
<b>Installation Cost</b>		<b>Prior Years</b>	<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>		<b>FY 2025</b>		<b>FY 2026</b>		<b>FY 2027</b>		<b>FY 2028</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		0 / 0.142		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		0 / 0.142							
FY 2022		- / -		8 / 0.067		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		8 / 0.067							
FY 2023		- / -		- / -		216 / 1.399		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		216 / 1.399							
FY 2024		- / -		- / -		- / -		163 / 1.074		- / -		163 / 1.074		- / -		- / -		- / -		- / -		- / -		163 / 1.074							
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		185 / 1.262		- / -		- / -		- / -		- / -		185 / 1.262							
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		232 / 1.592		- / -		- / -		- / -		232 / 1.592							
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		208 / 1.458		- / -		- / -		208 / 1.458							
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		0 / 0.142		8 / 0.067		216 / 1.399		163 / 1.074		- / -		163 / 1.074		185 / 1.262		232 / 1.592		208 / 1.458		- / -		- / -		1,012 / 6.994							
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army										<b>Date:</b> March 2023																					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10					<b>P-1 Line Item Number / Title:</b> 6949AA0480 / Utility Helicopter Mods										<b>Modification Number / Title:</b> AA0492 / UTILITY HELICOPTER MODS																
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>																					
<b>Modification Item 11 of 15:</b> Upturned Exhaust System I and II (UES I/II)																															
<b>Manufacturer Information</b>																															
Manufacturer Name: Sikorsky										Manufacturer Location: Stratford, CT																					
Administrative Leadtime <i>(in Months)</i> : 6										Production Leadtime <i>(in Months)</i> : 12																					
<b>Dates</b>		<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024</b>			<b>FY 2025</b>			<b>FY 2026</b>			<b>FY 2027</b>			<b>FY 2028</b>											
Contract Dates		Mar 2022						Mar 2024																							
Delivery Dates		Mar 2023						Mar 2025																							
<b>Installation Information</b>																															
<b>Method of Implementation:</b> Various																															
<b>Installation Cost</b>		<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>																		
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																		
Prior Years		0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2022		20 / 0.522	50 / 1.269	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing																		
FY 2023		- / -	- / -	17 / 0.563	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing																		
FY 2024		- / -	- / -	- / -	108 / 4.435	- / -	108 / 4.435	- / -	- / -	- / -	- / -	- / -	Continuing																		
FY 2025		- / -	- / -	- / -	- / -	- / -	- / -	104 / 4.354	- / -	- / -	- / -	- / -	Continuing																		
FY 2026		- / -	- / -	- / -	- / -	- / -	- / -	- / -	111 / 4.738	- / -	- / -	- / -	Continuing																		
FY 2027		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	111 / 4.816	- / -	- / -	Continuing																		
FY 2028		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	90 / 4.565	- / -	90 / 4.565																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		20 / 0.522	50 / 1.269	17 / 0.563	108 / 4.435	- / -	108 / 4.435	104 / 4.354	111 / 4.738	111 / 4.816	90 / 4.565	Continuing	Continuing																		
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1

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Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods			Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 12 of 15: Load Stability System (LSS) (Congressional Add)							
Manufacturer Information							
Manufacturer Name: VITA INCLINATA TECHNOLOGIES				Manufacturer Location: Colorado			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Various					Installation Quantity: 0		

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army											<b>Date:</b> March 2023																								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 6949AA0480 / Utility Helicopter Mods										<b>Modification Number / Title:</b> AA0492 / UTILITY HELICOPTER MODS															
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :															<b>MDAP/MAIS Code:</b>																				
<b>Modification Item 13 of 15:</b> Generators (After Realignment)																																			
<b>Manufacturer Information</b>																																			
Manufacturer Name: Honeywell Aerospace															Manufacturer Location: Tucson, AZ																				
Administrative Leadtime (in Months):															Production Leadtime (in Months):																				
<b>Dates</b>	<b>FY 2022</b>					<b>FY 2023</b>					<b>FY 2024</b>					<b>FY 2025</b>					<b>FY 2026</b>					<b>FY 2027</b>					<b>FY 2028</b>				
Contract Dates																																			
Delivery Dates																																			
<b>Installation Information</b>																																			
<b>Method of Implementation:</b> Various																																			
<b>Installation Cost</b>		<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</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)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																				
Prior Years		0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2022		- / -	307 / 1.841	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	307 / 1.841																					
FY 2023		0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2024		0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2025		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2026		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2027		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2028		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
Total		- / -	307 / 1.841	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	307 / 1.841																						
<b>Installation Schedule</b>																																			
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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				
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1				

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Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods			Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 14 of 15: FY22 Plus Up (Generator A/B Shipsets)							
Manufacturer Information							
Manufacturer Name: Honeywell Aerospace				Manufacturer Location: Tucson, AZ			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Various					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 6949AA0480 / Utility Helicopter Mods			Modification Number / Title: AA0492 / UTILITY HELICOPTER MODS	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 15 of 15: Generators (After Realignment/ A/B Shipsets)							
Manufacturer Information							
Manufacturer Name: Honeywell Aerospace				Manufacturer Location: Tuscson, AZ			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Various					Installation Quantity: 0		



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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft							<b>P-1 Line Item Number / Title:</b> 8658AA0712 / Network And Mission Plan					
<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> 0604201A				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,027.769	29.206	42.450	32.418	-	32.418	33.464	41.135	73.524	75.162	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,027.769	29.206	42.450	32.418	-	32.418	33.464	41.135	73.524	75.162	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1,027.769</b>	<b>29.206</b>	<b>42.450</b>	<b>32.418</b>	<b>-</b>	<b>32.418</b>	<b>33.464</b>	<b>41.135</b>	<b>73.524</b>	<b>75.162</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b>												
<p>Aviation Mission Planning System (AMPS) supports pre-mission planning and rehearsal, including route planning, communications planning, and aircraft configuration. It receives data from multiple sources and provides that data digitally to aircraft platforms to support aviation missions. That data is loaded onto the aircraft platforms utilizing a Data Transfer Device initializing the communication, navigation, and weapons systems on the aircraft.</p> <p>AMPS Common Operating Environment (COE) Convergence to Integrated Mission Planning and Airspace Control Tools (IMPACT) will provide interoperability with Army Mission Command, Joint, and Unified Action Partners (UAP) systems and facilitate Aviation Mission Planning (MP) incremental capabilities for Joint All Domain Command and Control (JADC2). IMPACT will be instantiated across Command Post Computing Environment (CE), Mounted CE, and Mobile/Handheld CE and will extend Aviation MP services to the tactical edge.</p> <p>IMPACT will enhance situational understanding, risk assessment, and Air-Ground Integration to enable Multi-Domain Operations (MDO), Joint All Domain Operations (JADO), and JADC2. The AMPS/IMPACT program includes management and support of the Centralized Aviation Flight Records System (CAFRS).</p> <p>The Aviation Mission Common Server (AMCS) is an obsolescence replacement and capability upgrade for the current Army IDM 401. It enables the hosting of applications to communicate, navigate, sense and deploy weapon systems across the Joint Force in support of Army 2030 and future aviation operations. It supports the future Common Digital Backbone for the enduring and future Army Aviation fleets with the ability for further growth to host mission critical capabilities. It will provide the ability to rapidly apply technology upgrades utilizing a Modular Open Systems Approach (MOSA) with a nonproprietary Open Systems Architecture (OSA) in order to keep pace with evolving threats in the Multi-Domain Battlefield.</p> <p>The Improved Data Modem (IDM) is the common solution for digitizing Army Aviation and is fielded on every modernized, rotary-wing Army aircraft, including the CH-47 Chinook, AH-64 Apache and UH-60 Black Hawk. The IDM provides the Army rotary wing fleet with critical communication capabilities, enables connectivity to multiple radios used by rotary-wing aircraft and the Blue Force Tracking transceiver, and provides the means for rapid data transfer and messaging. The IDM 401 is currently scheduled to transition into sustainment through CECOM in FY 2025.</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	21.466	30.330	26.104	-	26.104	23.730	29.730	48.542	49.453		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft					P-1 Line Item Number / Title: 8658AA0712 / Network And Mission Plan					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A				Other Related Program Elements: 0604201A			
Line Item MDAP/MAIS Code: N/A										
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.003	10.965	5.713	-	5.713	8.807	10.319	22.603	23.260
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.737	1.155	0.601	-	0.601	0.927	1.086	2.379	2.449
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	29.206	42.450	32.418	-	32.418	33.464	41.135	73.524	75.162

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army								<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft						<b>P-1 Line Item Number / Title:</b> 8658AA0712 / Network And Mission Plan				
<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> 0604201A				
<b>Line Item MDAP/MAIS Code:</b> N/A										
<b>Exhibits Schedule</b>					<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 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-3a	AA0712 / Network And Mission Plan (Rationalization, Standardization, Interoperability, Compatibility, Simplification)				- / 1,027.769	- / 29.206	- / 42.450	- / 32.418	- / -	- / 32.418
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 1,027.769</b>	<b>- / 29.206</b>	<b>- / 42.450</b>	<b>- / 32.418</b>	<b>- / -</b>	<b>- / 32.418</b>
<b>Exhibits Schedule</b>					<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</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-3a	AA0712 / Network And Mission Plan (Rationalization, Standardization, Interoperability, Compatibility, Simplification)				- / 33.464	- / 41.135	- / 73.524	- / 75.162	Continuing	Continuing
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 33.464</b>	<b>- / 41.135</b>	<b>- / 73.524</b>	<b>- / 75.162</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.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
<p><b>Justification:</b></p> <p>FY 2024 Base procurement dollars in the amount of \$ 14.741 million funds AMPS/IMPACT software production and deployment to meet COE Operational Needs in capability drops to support Army Aviation's enduring and future Vertical Lift (FVL) fleets. This is critical to enable Air-Ground Integration, enhance interoperability, and increase commonality with Army Mission Command, COE convergence, MDO, JADO, and JADC2. Aviation is a critical enabler for MDO &amp; JADO; greater synchronization of Aviation planning by IMPACT will enable commanders to place the decisive force at the critical point on the battlefield to facilitate success of JADC2.</p> <p>FY 2024 Base procurement dollars of \$15.033 million will support the National Security Strategy of October 2022 and the National Defense Strategy 2022 as AMCS enables the hosting of applications to communicate, navigate, sense, and deploy weapon systems across the Joint Force in support of Army 2030 and future aviation operations. AMCS production activities as the obsolescence replacement for the IDM 401 to include the procurement of 18 AMCS production units, AMCS A-Kit fabrication, and airworthiness support for the fielding of the AMCS. Funding also supports software integration activities, including porting the IDM software application (ISA), Mission Command Information System (MCIS) data manager, and distribution software application, supporting Army Networking initiatives for integrating new radios and mission command modernization. The funding is also for AMCS compliance with cybersecurity requirements and current functionality to support Army Networking initiatives for integrating new radios and mission command modernization. Additionally, FY 2024 base procurement funding of \$11.100 million was realigned from AA0712FPEP to 654201VU3 to support AMCS developmental activities. This is a significant change from the FY 2023 President Budget submission. Due to the FY 2024 reprogramming of funding, there are significant changes from our FY 2023 PB submission with respect to FY 2024, including a decrease in the number of procurement quantities planned, systems test and evaluation, and systems engineering support.</p> <p>FY 2024 Base procurement dollars in the amount of \$2.644 million support the IDM 401 production closeout activities as the IDM transitions into sustainment in FY 2025.</p> <p>In accordance with section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.</p>										

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Exhibit P-3a, Individual Modification: PB 2024 Army									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 8658AA0712 / Network And Mission Plan					Modification Number / Title: AA0712 / Network And Mission Plan			
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:					
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,027.769	29.206	42.450	32.418	-	32.418	33.464	41.135	73.524	75.162	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1,027.769	29.206	42.450	32.418	-	32.418	33.464	41.135	73.524	75.162	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,027.769	29.206	42.450	32.418	-	32.418	33.464	41.135	73.524	75.162	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 Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Aviation Mission Planning System (AMPS) supports pre-mission planning and rehearsal, including route planning, communications planning, and aircraft configuration. It receives data from multiple sources and provides that data digitally to aircraft platforms to support aviation missions. That data is loaded onto the aircraft platforms utilizing a Data Transfer Device initializing the communication, navigation, and weapons systems on the aircraft.

AMPS Common Operating Environment (COE) Convergence to Integrated Mission Planning and Airspace Control Tools (IMPACT) will provide interoperability with Army Mission Command, Joint, and Unified Action Partners (UAP) systems and facilitate Aviation Mission Planning (MP) incremental capabilities for Joint All Domain Command and Control (JADC2). IMPACT will be instantiated across Command Post Computing Environment (CE), Mounted CE, and Mobile/Handheld CE and will extend Aviation MP services to the tactical edge.

IMPACT will enhance situational understanding, risk assessment, and Air-Ground Integration to enable Multi-Domain Operations (MDO), Joint All Domain Operations (JADO), and JADC2. The AMPS/IMPACT program includes management and support of the Centralized Aviation Flight Records System (CAFRS).

The Aviation Mission Common Server (AMCS) is an obsolescence replacement and capability upgrade for the current Army IDM 401. It enables the hosting of applications to communicate, navigate, sense and deploy weapon systems across the Joint Force in support of Army 2030 and future aviation operations. It supports the future Common Digital Backbone for the enduring and future Army Aviation fleets with the ability for further growth to host mission critical capabilities. It will provide the ability to rapidly apply technology upgrades utilizing a Modular Open Systems Approach (MOSA) with a nonproprietary Open Systems Architecture (OSA) in order to keep pace with evolving threats in the Multi-Domain Battlefield.

FY 2024 Base procurement dollars in the amount of \$15.033 million will support AMCS production activities as the obsolescence replacement for the IDM 401 to include the procurement of 18 AMCS production units, AMCS A-Kit fabrication and airworthiness support for the fielding of the AMCS. Funding also supports software integration activities to include porting of the IDM software application (ISA), Mission Command Information System (MCIS) data manager and distribution software application, in support of Army Networking initiatives for integrating new radios and mission command modernization. Funding also supports AMCS compliance with cybersecurity requirements and current functionality to support Army Networking initiatives for integrating new radios and mission command modernization. Additionally, FY 2024 base procurement funding in the amount of \$11.100 million was realigned from AA0712FPEP to 654201VU3 to support AMCS developmental activities. This is a significant change from the FY 2023 President Budget submission. Due to the FY 2024 reprogramming of funding, there are significant changes from our FY 2023 PB submission with respect to FY 2024, to include a decrease in the amount of procurement quantities planned, systems test and evaluation, and systems engineering support.

The Improved Data Modem (IDM) is the common solution for digitizing Army Aviation and is fielded on every modernized, rotary-wing Army aircraft, including the CH-47 Chinook, AH-64 Apache and UH-60 Black Hawk. The IDM provides the Army rotary wing fleet with critical communication capabilities, enables connectivity to multiple radios used by rotary-wing aircraft and the Blue Force Tracking transceiver, and provides the means for rapid data transfer and messaging.

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Exhibit P-3a, Individual Modification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 8658AA0712 / Network And Mission Plan				Modification Number / Title: AA0712 / Network And Mission Plan			
ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:				
FY 2024 Base procurement dollars in the amount of \$2.644 million support the IDM 401 production closeout activities as the IDM transitions into sustainment in FY 2025.										
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	21.466	30.330	26.104	-	26.104	23.730	29.730	48.542	49.453
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.003	10.965	5.713	-	5.713	8.807	10.319	22.603	23.260
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.737	1.155	0.601	-	0.601	0.927	1.086	2.379	2.449
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	29.206	42.450	32.418	-	32.418	33.464	41.135	73.524	75.162

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Exhibit P-3a, Individual Modification: PB 2024 Army									Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 8658AA0712 / Network And Mission Plan					Modification Number / Title: AA0712 / Network And Mission Plan				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: AH-64D/E, CH-47D/F, UH-60A/L/M/Q/V, HH-60L/M, EMARSS, UH-72, UAS				Modification Type: Rationalization, Standardization, Interoperability, Compatibility, Simplification				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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 5: Aviation Mission Planning System (AMPS)													
B Kits													
Recurring													
Kit Quantity- (Computer)	7,780 / 33.247	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7,780 / 33.247	
ECPs	- / 172.909	- / 2.910	- / 5.111	- / 5.863	- / -	- / 5.863	- / 2.627	- / 4.085	- / 4.102	- / 4.048	Continuing	Continuing	
Systems Engineering	- / 22.368	- / 2.080	- / 2.324	- / 2.395	- / -	- / 2.395	- / 1.646	- / 2.520	- / 2.532	- / 2.526	Continuing	Continuing	
System Test and Eval	- / 13.790	- / 1.282	- / 1.258	- / 1.445	- / -	- / 1.445	- / 0.877	- / 1.497	- / 1.504	- / 1.500	Continuing	Continuing	
Fielding/Training	- / 68.390	- / 3.535	- / 3.824	- / 3.931	- / -	- / 3.931	- / 2.171	- / 4.032	- / 4.053	- / 4.043	Continuing	Continuing	
Systems Engineering / Program Management	- / 20.110	- / 0.970	- / 1.077	- / 1.107	- / -	- / 1.107	- / 1.129	- / 1.152	- / 1.158	- / 1.155	Continuing	Continuing	
Subtotal: Recurring	7,780 / 330.814	- / 10.777	- / 13.594	- / 14.741	- / -	- / 14.741	- / 8.450	- / 13.286	- / 13.349	- / 13.272	Continuing	Continuing	
Subtotal: Aviation Mission Planning System (AMPS)	7,780 / 330.814	- / 10.777	- / 13.594	- / 14.741	- / -	- / 14.741	- / 8.450	- / 13.286	- / 13.349	- / 13.272	Continuing	Continuing	
Modification Item 2 of 5: Improved Data Modem (IDM)													
B Kits													
Recurring													
Kit Quantity- IDM OSA	5,671 / 149.527	65 / 6.874	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5,736 / 156.401	
Aircraft Integration	- / 169.950	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 169.950	
ECP (SW)	- / 105.393	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 105.393	
Systems Engineering	- / 23.738	- / 2.011	- / 0.367	- / 0.504	- / -	- / 0.504	- / 0.372	- / -	- / -	- / -	- / -	- / 26.992	
System Test & Eval	- / 74.486	- / 1.061	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 75.547	
Other- PM Admin	- / 30.844	- / 1.644	- / 0.088	- / 0.038	- / -	- / 0.038	- / 0.039	- / -	- / -	- / -	- / -	- / 32.653	
Close Out Preparation	- / -	- / -	- / 0.200	- / 2.038	- / -	- / 2.038	- / 1.039	- / -	- / -	- / -	- / -	- / 3.277	
Engineering Services	- / -	- / -	- / -	- / 0.064	- / -	- / 0.064	- / -	- / -	- / -	- / -	- / -	- / 0.064	
Subtotal: Recurring	5,671 / 553.938	65 / 11.590	- / 0.655	- / 2.644	- / -	- / 2.644	- / 1.450	- / -	- / -	- / -	- / -	5,736 / 570.277	
Non-Recurring													
Fielding and Training	- / 1.144	- / -	- / -	- / -	- / -	- / -	- / 0.387	- / 0.559	- / 0.694	- / 0.679	- / -	- / 3.463	
Kit Quantity - IDM	- / 9.776	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.776	
Subtotal: Non-Recurring	- / 10.920	- / -	- / -	- / -	- / -	- / -	- / 0.387	- / 0.559	- / 0.694	- / 0.679	- / -	- / 13.239	
Subtotal: Improved Data Modem (IDM)	5,671 / 564.858	65 / 11.590	- / 0.655	- / 2.644	- / -	- / 2.644	- / 1.837	- / 0.559	- / 0.694	- / 0.679	- / -	5,736 / 583.516	
Modification Item 3 of 5: Aviation Data Exploitation Capability (ADEC)													

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Exhibit P-3a, Individual Modification: PB 2024 Army									Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 8658AA0712 / Network And Mission Plan					Modification Number / Title: AA0712 / Network And Mission Plan				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: AH-64D/E, CH-47D/F, UH-60A/L/M/Q/V, HH-60L/M, EMARSS, UH-72, UAS				Modification Type: Rationalization, Standardization, Interoperability, Compatibility, Simplification				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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													
Kit Quantity- Workstation	452 / 1.035	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	452 / 1.035	
Kit Quantity- Server	50 / 0.763	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 0.763	
ECP (SW)	- / 1.186	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.186	
Data	- / 0.843	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.843	
Systems Engineering	- / 4.362	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.362	
System Test & Eval	- / 0.304	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.304	
Fielding/Training	- / 4.972	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.972	
Other- PM Admin	- / 7.170	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.170	
Subtotal: Recurring	502 / 20.635	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	502 / 20.635	
Subtotal: Aviation Data Exploitation Capability (ADEC)	502 / 20.635	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	502 / 20.635	
Modification Item 4 of 5: Aircraft Notebook (ACN)													
B Kits													
Recurring													
ECP (SW)	- / 12.234	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.234	
Data	- / 0.781	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.781	
Systems Engineering	- / 11.582	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.582	
System Test	- / 1.849	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.849	
Fielding/Training	- / 43.430	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 43.430	
Other- PM Admin	- / 4.774	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.774	
Subtotal: Recurring	- / 74.650	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 74.650	
Subtotal: Aircraft Notebook (ACN)	- / 74.650	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 74.650	
Modification Item 5 of 5: Aviation Mission Common Server (AMCS)													
A Kits													
Recurring													
A-Kit Fabrication	- / -	- / -	- / -	- / 1.555	- / -	- / 1.555	- / 2.694	- / 2.514	- / 2.624	- / 2.656	Continuing	Continuing	
Subtotal: Recurring	- / -	- / -	- / -	- / 1.555	- / -	- / 1.555	- / 2.694	- / 2.514	- / 2.624	- / 2.656	Continuing	Continuing	
B Kits													
Recurring													
Kit Quantity - AMCS	- / -	10 / 1.301	35 / 4.725	18 / 2.529	- / -	18 / 2.529	18 / 2.579	21 / 3.069	145 / 21.617	178 / 27.068	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 8658AA0712 / Network And Mission Plan				Modification Number / Title: AA0712 / Network And Mission Plan					
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: AH-64D/E, CH-47D/F, UH-60A/L/M/Q/V, HH-60L/M, EMARSS, UH-72, UAS				Modification Type: Rationalization, Standardization, Interoperability, Compatibility, Simplification				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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)	
Production Engineering Services	- / -	- / -	- / -	- / 3.518	- / -	- / 3.518	- / 4.225	- / 4.562	- / 5.346	- / 5.588	Continuing	Continuing	
System Engineering	- / 1.460	- / 1.390	- / 6.200	- / 2.791	- / -	- / 2.791	- / 5.447	- / 3.884	- / 3.882	- / 4.282	Continuing	Continuing	
System Test and Evaluation	- / 9.142	- / -	- / -	- / 1.386	- / -	- / 1.386	- / 2.764	- / 7.570	- / 14.221	- / 12.464	Continuing	Continuing	
Other - PM Admin	- / 2.499	- / 2.548	- / 2.607	- / 1.866	- / -	- / 1.866	- / 2.887	- / 3.234	- / 6.253	- / 6.570	Continuing	Continuing	
Fielding/Training	- / -	- / -	- / -	- / 1.388	- / -	- / 1.388	- / 2.270	- / 2.140	- / 2.222	- / 2.253	Continuing	Continuing	
Cybersecurity (ATO)	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.311	- / 0.317	- / 0.324	- / 0.330	Continuing	Continuing	
Subtotal: Recurring	- / 13.101	10 / 5.239	35 / 13.532	18 / 13.478	- / -	18 / 13.478	18 / 20.483	21 / 24.776	145 / 53.865	178 / 58.555	Continuing	Continuing	
Non-Recurring													
AMCS Aircraft Integration	- / 13.697	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.992	- / -	Continuing	Continuing	
AMCS SW App ECP	- / 10.014	- / 1.600	- / 14.669	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Non-Recurring	- / 23.711	- / 1.600	- / 14.669	- / -	- / -	- / -	- / -	- / -	- / 2.992	- / -	Continuing	Continuing	
Subtotal: Aviation Mission Common Server (AMCS)	- / 36.812	10 / 6.839	35 / 28.201	18 / 15.033	- / -	18 / 15.033	18 / 23.177	21 / 27.290	145 / 59.481	178 / 61.211	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	13,953 / 1,027.769	75 / 29.206	35 / 42.450	18 / 32.418	- / -	18 / 32.418	18 / 33.464	21 / 41.135	145 / 73.524	178 / 75.162	Continuing	Continuing	
Installation													
Modification Item 3 of 5: Aviation Data Exploitation Capability (ADEC)	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	
Modification Item 4 of 5: Aircraft Notebook (ACN)	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	
Subtotal: Installation	2 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / -	
Total													
Total Cost (Procurement + Support + Installation)	1,027.769	29.206	42.450	32.418	-	32.418	33.464	41.135	73.524	75.162	Continuing	Continuing	



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Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 8658AA0712 / Network And Mission Plan			Modification Number / Title: AA0712 / Network And Mission Plan	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 1 of 5: Aviation Mission Planning System (AMPS)							
Manufacturer Information							
Manufacturer Name: Getac				Manufacturer Location: Irvine, CA			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not applicable					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 8658AA0712 / Network And Mission Plan			Modification Number / Title: AA0712 / Network And Mission Plan	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 2 of 5: Improved Data Modem (IDM)							
Manufacturer Information							
Manufacturer Name: AMRDEC Software Engineering Directorate				Manufacturer Location: Redstone Arsenal, AL			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Applicable					Installation Quantity: 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army											<b>Date:</b> March 2023																								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10											<b>P-1 Line Item Number / Title:</b> 8658AA0712 / Network And Mission Plan											<b>Modification Number / Title:</b> AA0712 / Network And Mission Plan													
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :											<b>MDAP/MAIS Code:</b>																								
<b>Modification Item 3 of 5:</b> Aviation Data Exploitation Capability (ADEC)																																			
<b>Manufacturer Information</b>																																			
Manufacturer Name: AMRDEC Software Engineering Directorate													Manufacturer Location: Redstone Arsenal, AL																						
Administrative Leadtime (in Months):													Production Leadtime (in Months):																						
<b>Dates</b>	<b>FY 2022</b>					<b>FY 2023</b>					<b>FY 2024</b>					<b>FY 2025</b>					<b>FY 2026</b>					<b>FY 2027</b>					<b>FY 2028</b>				
Contract Dates																																			
Delivery Dates																																			
<b>Installation Information</b>																																			
<b>Method of Implementation:</b> Not Applicable																																			
<b>Installation Cost</b>		<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</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)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																				
Prior Years		1 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000																					
FY 2022		0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2023		0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2024		0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2025		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2026		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2027		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2028		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
Total		1 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000																					
<b>Installation Schedule</b>																																			
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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				
Out	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1				

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army											<b>Date:</b> March 2023																				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 8658AA0712 / Network And Mission Plan										<b>Modification Number / Title:</b> AA0712 / Network And Mission Plan											
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :															<b>MDAP/MAIS Code:</b>																
<b>Modification Item 4 of 5:</b> Aircraft Notebook (ACN)																															
<b>Manufacturer Information</b>																															
Manufacturer Name: AMRDEC Software Engineering Directorate															Manufacturer Location: Redstone Arsenal, AL																
Administrative Leadtime (in Months):															Production Leadtime (in Months):																
<b>Dates</b>		<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</b>					
Contract Dates																															
Delivery Dates																															
<b>Installation Information</b>																															
<b>Method of Implementation:</b> Not Applicable																															
<b>Installation Cost</b>		<b>Prior Years</b>	<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>		<b>FY 2025</b>		<b>FY 2026</b>		<b>FY 2027</b>		<b>FY 2028</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		1 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.000						
FY 2022		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2023		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2024		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2025		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2026		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2027		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2028		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		1 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.000						
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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
Out	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

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Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 8658AA0712 / Network And Mission Plan			Modification Number / Title: AA0712 / Network And Mission Plan	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 5 of 5: Aviation Mission Common Server (AMCS)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months): 15			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Aug 2024				
Delivery Dates					Nov 2026		
Installation Information							
Method of Implementation (Organic): MWO					Installation Quantity: 0		

## UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft							<b>P-1 Line Item Number / Title:</b> 8659AA0723 / Comms, Nav Surveillance					
<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> 0604201A				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,142.817	58.117	72.387	74.912	-	74.912	62.802	37.707	37.714	37.637	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,142.817	58.117	72.387	74.912	-	74.912	62.802	37.707	37.714	37.637	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1,142.817</b>	<b>58.117</b>	<b>72.387</b>	<b>74.912</b>	<b>-</b>	<b>74.912</b>	<b>62.802</b>	<b>37.707</b>	<b>37.714</b>	<b>37.637</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<p><b>Description:</b> Funding for the Army Navigation Systems programs was realigned to the new Budget Line Item 8662A01006, Aviation Assured-Position, Navigation, and Timing (A-PNT) in FY2021.</p> <p>The current Army Aviation Navigation Systems provide aircraft with extremely accurate and secure navigation and timing, assists in situational awareness, and aids in prevention of fratricide. The Global Positioning System (GPS) includes the Doppler GPS Navigation Set (DGNS), which is used for the Non-bussed Utility and Cargo helicopters, and the Embedded GPS Inertial Navigation System (EGI), which is integrated into the modernized Cargo, Utility, Attack, and Special Operations fleets of helicopters. The upgraded DGNS Computer Display Unit and GPS Anti-jam Antenna is being installed on the Blackhawk UH-60A/L and HH-60A/L fleets and will reduce pilot workload and fatigue and provide GPS Anti-Jam capabilities which significantly improve levels of A-PNT. The Pre-Planned Product Improvement (P3I) EGI A Kits and B Kits are being installed on UH/HH-60M, CH-47F, AH-64E, and Special Operations Aircraft (SOA) fleets and bring a number of enhancements required for operations in civil airspace as well as improved levels of Assured - Position, Navigation and Timing.</p> <p>The Aviation Tactical Communication Systems (ATCS) programs are Army Aviation programs to procure, integrate, and field A-Kits (the installation hardware and software), and B-Kits (the radio) to meet Army Aviation Communications requirements. The current ATCS program is the Multi-mode Aviation Radio Set (MARS), which uses an ARC-231A radio with greater capability that uses modernized waveforms and cryptography.</p> <p>The Blue Force Tracking - Aviation (BFT-A) Program integrates, qualifies, and manages the installation of BFT-2 system installation kits (A Kit) for Army Rotary Wing Aircraft. The A-Kit utilizes the BFT-2 transceiver and KGV-72 encryption device provided by PM Mission Command (MC). BFT-2 provides the commander a near real-time Beyond-Line-of-Sight Blue/Red Situational Awareness Picture &amp; Command and Control messaging capability.</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	31.964	70.065	42.284	-	42.284	34.774	20.868	20.939	20.862		
ANG	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	23.247	2.064	29.003	-	29.003	24.914	14.968	14.911	14.911		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft					P-1 Line Item Number / Title: 8659AA0723 / Comms, Nav Surveillance					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A				Other Related Program Elements: 0604201A			
Line Item MDAP/MAIS Code: N/A										
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.906	0.258	3.625	-	3.625	3.114	1.871	1.864	1.864
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	58.117	72.387	74.912	-	74.912	62.802	37.707	37.714	37.637

## UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army								<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft						<b>P-1 Line Item Number / Title:</b> 8659AA0723 / Comms, Nav Surveillance				
<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> 0604201A			
<b>Line Item MDAP/MAIS Code:</b> N/A										
<b>Exhibits Schedule</b>					<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 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-3a	AA0723 / Comms, Nav Surveillance (New or Improved Operational Capability)				- / 1,142.817	- / 58.117	- / 72.387	- / 74.912	- / -	- / 74.912
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 1,142.817</b>	<b>- / 58.117</b>	<b>- / 72.387</b>	<b>- / 74.912</b>	<b>- / -</b>	<b>- / 74.912</b>
<b>Exhibits Schedule</b>					<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</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-3a	AA0723 / Comms, Nav Surveillance (New or Improved Operational Capability)				- / 62.802	- / 37.707	- / 37.714	- / 37.637	Continuing	Continuing
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 62.802</b>	<b>- / 37.707</b>	<b>- / 37.714</b>	<b>- / 37.637</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.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
<p><b>Justification:</b></p> <p>FY 2024 Base Procurement dollars in the amount of \$72.942 million supports procurement of ARC-231A radios to support aircraft production line and aircraft modification requirements, fielding of the ARC-231A radios to one CAB, system test and evaluation of ARC-231A radios and MARS B Kits, and aircraft integration to support crypto-modernization.</p> <p>FY 2024 Base Procurement dollars in the amount of \$1.970 million provides for the installation of 47 BFT-2 A-Kits.</p> <p>In accordance with section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.</p>										



## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10				<b>P-1 Line Item Number / Title:</b> 8659AA0723 / Comms, Nav Surveillance						<b>Modification Number / Title:</b> AA0723 / Comms, Nav Surveillance		
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,142.817	58.117	72.387	74.912	-	74.912	62.802	37.707	37.714	37.637	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,142.817	58.117	72.387	74.912	-	74.912	62.802	37.707	37.714	37.637	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1,142.817</b>	<b>58.117</b>	<b>72.387</b>	<b>74.912</b>	<b>-</b>	<b>74.912</b>	<b>62.802</b>	<b>37.707</b>	<b>37.714</b>	<b>37.637</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**  
Funding for the Army Navigation Systems programs was realigned to the new Budget Line Item 8662A01006, Aviation Assured-Position, Navigation, and Timing (A-PNT) in FY2021.

The current Army Aviation Navigation Systems provide aircraft with extremely accurate and secure navigation and timing, assists in situational awareness, and aids in prevention of fratricide. The Global Positioning System (GPS) includes the Doppler GPS Navigation Set (DGNS), which is used for the Non-bussed Utility and Cargo helicopters, and the Embedded GPS Inertial Navigation System (EGI), which is integrated into the modernized Cargo, Utility, Attack, and Special Operations fleets of helicopters. The upgraded DGNS Computer Display Unit and GPS Anti-jam Antenna is being installed on the Blackhawk UH-60A/L and HH-60A/L fleets and will reduce pilot workload and fatigue and provide GPS Anti-Jam capabilities which significantly improve levels of A-PNT. The Pre-Planned Product Improvement (P3I) EGI A Kits and B Kits are being installed on UH/HH-60M, CH-47F, AH-64E, and Special Operations Aircraft (SOA) fleets and bring a number of enhancements required for operations in civil airspace as well as improved levels of Assured - Position, Navigation and Timing.

The Aviation Tactical Communication Systems (ATCS) programs are Army Aviation programs to procure, integrate, and field A-Kits (the installation hardware and software), and B-Kits (the radio) to meet Army Aviation Communications requirements. The current ATCS program is the Multi-mode Aviation Radio Set (MARS), which uses an ARC-231A radio with greater capability that uses modernized waveforms and cryptography.

The Blue Force Tracking - Aviation (BFT-A) Program integrates, qualifies, and manages the installation of BFT-2 system installation kits (A Kit) for Army Rotary Wing Aircraft. The A-Kit utilizes the BFT-2 transceiver and KGV-72 encryption device provided by PM Mission Command (MC). BFT-2 provides the commander a near real-time Beyond-Line-of-Sight Blue/Red Situational Awareness Picture & Command and Control messaging capability.

This exhibit is for a budget line that procures multiple items and does not have a single Army Acquisition Objective.

-- Justification --  
FY 2024 Base Procurement dollars in the amount of \$72.942 million supports procurement of ARC-231A radios to support aircraft production line and aircraft modification requirements, fielding of the ARC-231A radios to one CAB, system test and evaluation of ARC-231A radios and MARS B Kits, and aircraft integration to support crypto-modernization.

FY 2024 Base Procurement dollars in the amount of \$1.970 million provides for the installation of 47 BFT-2 A-Kits.

In accordance with section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.

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Exhibit P-3a, Individual Modification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 8659AA0723 / Comms, Nav Surveillance				Modification Number / Title: AA0723 / Comms, Nav Surveillance			
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:					
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	31.964	70.065	42.284	-	42.284	34.774	20.868	20.939	20.862
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	23.247	2.064	29.003	-	29.003	24.914	14.968	14.911	14.911
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.906	0.258	3.625	-	3.625	3.114	1.871	1.864	1.864
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	58.117	72.387	74.912	-	74.912	62.802	37.707	37.714	37.637

## UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 8659AA0723 / Comms, Nav Surveillance				Modification Number / Title: AA0723 / Comms, Nav Surveillance					
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, AH-64D/E, LUH, UAS				Modification Type: New or Improved Operational Capability				Related RDT&E PEs:					
Financial Plan		Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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 9: DGNS (AN/ASN-128D) P3I													
A Kits													
Recurring													
Engineering Change Orders		- / 2.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.800
Data		- / 1.712	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.712
Training Equipment		46 / 6.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 6.800
Systems Engineering		- / 8.930	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.930
Other - PM Admin		- / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.500
Subtotal: Recurring		46 / 21.742	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 21.742
Subtotal: DGNS (AN/ASN-128D) P3I		46 / 21.742	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 21.742
Modification Item 2 of 9: DGNS (AN/ASN-128D) CDU/ SW Upgrade ECP B-Kit													
B Kits													
Recurring													
Upgraded CDU		450 / 29.759	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	450 / 29.759
Fielding		- / 9.836	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.836
Systems Eng / Program Management		- / 17.967	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.967
Subtotal: Recurring		450 / 47.562	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	450 / 47.562
Non-Recurring													
Data / Training		- / 3.349	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.349
Aircraft Integration		- / 12.335	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.335
Systems Test & Evaluation		- / 5.078	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.078
Subtotal: Non-Recurring		- / 20.762	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.762
Subtotal: DGNS (AN/ASN-128D) CDU/SW Upgrade ECP B-Kit		450 / 68.324	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	450 / 68.324
Modification Item 3 of 9: DGNS (AN/ASN-128D) CDU/ SW Upgrade ECP A-Kit													
A Kits													
Recurring													
GPS Anti Jam Antenna		235 / 7.748	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	235 / 7.748
Systems Engineering / Program Management		- / 12.430	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.430

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Exhibit P-3a, Individual Modification: PB 2024 Army									Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 8659AA0723 / Comms, Nav Surveillance					Modification Number / Title: AA0723 / Comms, Nav Surveillance				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, AH-64D/E, LUH, UAS				Modification Type: New or Improved Operational Capability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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)	
Systems Test & Evaluation	- / 3.930	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.930	
Subtotal: Recurring	235 / 14.108	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	235 / 14.108	
Non-Recurring													
Integration & NRE	- / 1.002	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.002	
Subtotal: Non-Recurring	- / 1.002	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.002	
Subtotal: DGNS (AN/ASN-128D) CDU/SW Upgrade ECP A-Kit	235 / 15.110	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	235 / 15.110	
Modification Item 4 of 9: Embedded GPS Inertial Nav System (EGI) P3I B-Kit													
B Kits													
Recurring													
EGI EAGLE-M Shipsets	131 / 23.001	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	131 / 23.001	
EGI EAGLE SOA Shipsets	51 / 8.493	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 8.493	
Fielding	- / 1.365	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.365	
Systems Engineering / Program Management	- / 23.011	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.011	
Subtotal: Recurring	182 / 55.870	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	182 / 55.870	
Non-Recurring													
Aircraft Integration	- / 10.211	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.211	
Systems Test & Evaluation	- / 7.853	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.853	
Training / Data / Support Equipment	- / 3.553	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.553	
Subtotal: Non-Recurring	- / 21.617	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.617	
Subtotal: Embedded GPS Inertial Nav System (EGI) P3I B-Kit	182 / 77.487	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	182 / 77.487	
Modification Item 5 of 9: Embedded GPS Inertial Nav System (EGI) P3I A-Kit													
A Kits													
Recurring													
GPS Anti Jam Antenna	153 / 11.722	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	153 / 11.722	
Systems Engineering / Program Management	- / 5.389	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.389	
Subtotal: Recurring	153 / 17.111	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	153 / 17.111	
Non-Recurring													
Aircraft Integration	- / 46.145	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 46.145	

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Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 8659AA0723 / Comms, Nav Surveillance				Modification Number / Title: AA0723 / Comms, Nav Surveillance					
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, AH-64D/E, LUH, UAS				Modification Type: New or Improved Operational Capability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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)	
Systems Test & Evaluation	- / 5.837	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.837	
Productionization	- / 2.074	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.074	
Subtotal: Non-Recurring	- / 54.056	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 54.056	
Subtotal: Embedded GPS Inertial Nav System (EGI) P3I A-Kit	153 / 71.167	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	153 / 71.167	
Modification Item 6 of 9: Aviation Tactical Comm Systems (ATCS) - Alt Comms													
A Kits													
Recurring													
Kit Quantity-A-Kit	415 / 12.956	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	415 / 12.956	
Systems Engineering / Program Management	- / 46.417	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 46.417	
System Test & Evaluation	- / 10.107	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.107	
Training / Data / Support Equipment	- / 1.366	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.366	
Fielding	- / 16.922	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.922	
Subtotal: Recurring	415 / 87.768	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	415 / 87.768	
Non-Recurring													
Aircraft Integration	- / 95.887	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 95.887	
Subtotal: Non-Recurring	- / 95.887	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 95.887	
B Kits													
Recurring													
Kit Quantity-B-Kit (ARC-231) Shipsets	1,230 / 185.502	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,230 / 185.502	
Kit Quantity-B-Kit (ARC201D) Shipsets	777 / 46.465	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	777 / 46.465	
Subtotal: Recurring	2,007 / 231.967	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,007 / 231.967	
Subtotal: Aviation Tactical Comm Systems (ATCS) - Alt Comms	2,422 / 415.622	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,422 / 415.622	
Modification Item 7 of 9: Aviation Tactical Comm Systems (ATCS) - MARS													
A Kits													
Recurring													
Systems Engineering / Program Management	- / 36.420	- / 11.000	- / 13.107	- / 13.532	- / -	- / 13.532	- / 13.013	- / 13.015	- / 13.074	- / 13.074	Continuing	Continuing	
System Test & Evaluation	- / 6.854	- / 3.641	- / 8.565	- / 6.412	- / -	- / 6.412	- / 4.962	- / 0.847	- / 3.979	- / 4.205	Continuing	Continuing	
Subtotal: Recurring	- / 43.274	- / 14.641	- / 21.672	- / 19.944	- / -	- / 19.944	- / 17.975	- / 13.862	- / 17.053	- / 17.279	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2024 Army									Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 8659AA0723 / Comms, Nav Surveillance					Modification Number / Title: AA0723 / Comms, Nav Surveillance				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, AH-64D/E, LUH, UAS				Modification Type: New or Improved Operational Capability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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)	
Non-Recurring													
SINCGARS NRE	- / 2.327	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.327	
Aircraft Integration	- / 19.438	- / 7.123	- / 9.078	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 35.639	
Subtotal: Non-Recurring	- / 21.765	- / 7.123	- / 9.078	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 37.966	
B Kits													
Recurring													
Kit Shipset B-Kit (ARC-231A) - PIM	26 / 5.408	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 5.408	
Kit Shipset B-Kit (ARC 231) - Rotable	290 / 48.276	138 / 7.489	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	428 / 55.765	
Kit Shipset B-Kit (ARC-231A) - GFE	- / -	- / -	- / -	148 / 8.290	- / -	148 / 8.290	132 / 7.520	125 / 7.329	139 / 8.287	- / -	591 / 55.040	1,135 / 86.466	
Kit Shipset B-Kit (ARC-231A) - AMAM	808 / 65.381	110 / 7.582	301 / 16.782	272 / 15.234	- / -	272 / 15.234	111 / 6.323	- / -	62 / 3.697	201 / 12.186	1,418 / 89.591	3,283 / 216.776	
Fielding	- / 4.285	- / 3.871	- / 3.238	- / 5.768	- / -	- / 5.768	- / 5.573	- / 2.923	- / 2.839	- / 4.286	- / -	- / 32.783	
Training/Data	- / 0.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.900	
Software Maintenance	- / -	- / -	- / 16.248	- / 23.121	- / -	- / 23.121	- / 24.578	- / 13.101	- / 5.580	- / 3.463	- / 23.837	- / 109.928	
Subtotal: Recurring	1,124 / 124.250	248 / 18.942	301 / 36.268	420 / 52.413	- / -	420 / 52.413	243 / 43.994	125 / 23.353	201 / 20.403	201 / 19.935	2,009 / 168.468	4,872 / 508.026	
Non-Recurring													
ECP - Non-Recurring	- / 57.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 57.275	
Subtotal: Non-Recurring	- / 57.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 57.275	
Subtotal: Aviation Tactical Comm Systems (ATCS) - MARS	1,124 / 246.564	248 / 40.706	301 / 67.018	420 / 72.357	- / -	420 / 72.357	243 / 61.969	125 / 37.215	201 / 37.456	201 / 37.214	Continuing	Continuing	
Modification Item 8 of 9: Airborne Maritime Fixed (AMF-A) Radio Integration													
A Kits													
Recurring													
Kit Quantity - A-Kit - Production Line	148 / 13.466	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	148 / 13.466	
Support Equipment	- / 2.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.030	
System Test and Evaluation	- / 1.910	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.910	
System Eng/Prog Mgmt (SEPM)	- / 12.074	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.074	
Subtotal: Recurring	148 / 29.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	148 / 29.480	
Non-Recurring													
NRE Aircraft Integration	- / 18.594	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.594	
Subtotal: Non-Recurring	- / 18.594	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.594	

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Exhibit P-3a, Individual Modification: PB 2024 Army									Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 8659AA0723 / Comms, Nav Surveillance					Modification Number / Title: AA0723 / Comms, Nav Surveillance				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, AH-64D/E, LUH, UAS				Modification Type: New or Improved Operational Capability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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: Airborne Maritime Fixed (AMF-A) Radio Integration	148 / 48.074	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	148 / 48.074	
Modification Item 9 of 9: Blue Force Tracking-Aviation (BFT-A)													
A Kits													
Recurring													
BFT-A A-Kits (MWO)	2,451 / 29.091	8 / 0.062	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,459 / 29.153	
BFT-A A Kit Spares	25 / 0.270	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 0.270	
Test / Engineering	- / 4.138	- / 0.063	- / 0.267	- / 0.050	- / -	- / 0.050	- / -	- / -	- / -	- / -	- / -	- / 4.518	
Fielding / Training	- / 3.774	- / 0.955	- / 0.127	- / 0.028	- / -	- / 0.028	- / -	- / -	- / -	- / -	- / -	- / 4.884	
Systems Engineering / Program Management	- / 39.963	- / 7.395	- / 1.195	- / 0.482	- / -	- / 0.482	- / -	- / -	- / -	- / -	- / -	- / 49.035	
Misc HW Procurement	- / 3.856	- / 0.068	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.924	
Subtotal: Recurring	2,476 / 81.092	8 / 8.543	- / 1.589	- / 0.560	- / -	- / 0.560	- / -	- / -	- / -	- / -	- / -	2,484 / 91.784	
Non-Recurring													
NRE-Test / Engineering	- / 4.747	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.747	
Subtotal: Non-Recurring	- / 4.747	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.747	
Subtotal: Blue Force Tracking-Aviation (BFT-A)	2,476 / 85.839	8 / 8.543	- / 1.589	- / 0.560	- / -	- / 0.560	- / -	- / -	- / -	- / -	- / -	2,484 / 96.531	
Subtotal: Procurement, All Modification Items	7,236 / 1,049.929	256 / 49.249	301 / 68.607	420 / 72.917	- / -	420 / 72.917	243 / 61.969	125 / 37.215	201 / 37.456	201 / 37.214	Continuing	Continuing	
Installation													
Modification Item 1 of 9: DGNS (AN/ASN-128D) P3I	46 / 0.296	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 0.296	
Modification Item 2 of 9: DGNS (AN/ASN-128D) CDU/ SW Upgrade ECP B-Kit	450 / 4.070	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	450 / 4.070	
Modification Item 3 of 9: DGNS (AN/ASN-128D) CDU/ SW Upgrade ECP A-Kit	235 / 1.260	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	235 / 1.260	
Modification Item 4 of 9: Embedded GPS Inertial Nav System (EGI) P3I B-Kit	51 / 0.447	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 0.447	
Modification Item 5 of 9: Embedded GPS Inertial Nav System (EGI) P3I A-Kit	153 / 0.551	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	153 / 0.551	
Modification Item 6 of 9: Aviation Tactical Comm Systems (ATCS) - Alt Comms	415 / 19.416	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	415 / 19.416	
Modification Item 7 of 9: Aviation Tactical Comm Systems (ATCS) - MARS	574 / 1.050	550 / 1.028	110 / 0.210	301 / 0.585	- / -	301 / 0.585	420 / 0.833	243 / 0.492	125 / 0.258	201 / 0.423	2,348 / 4.943	4,872 / 9.822	

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Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 8659AA0723 / Comms, Nav Surveillance				Modification Number / Title: AA0723 / Comms, Nav Surveillance				
ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, AH-64D/E, LUH, UAS				Modification Type: New or Improved Operational Capability				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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 9 of 9: Blue Force Tracking-Aviation (BFT-A)	2,035 / 65.798	258 / 7.840	119 / 3.570	47 / 1.410	- / -	47 / 1.410	- / -	- / -	- / -	- / -	- / -	2,459 / 78.618
Subtotal: Installation	3,959 / 92.888	808 / 8.868	229 / 3.780	348 / 1.995	- / -	348 / 1.995	420 / 0.833	243 / 0.492	125 / 0.258	201 / 0.423	2,348 / 4.943	8,681 / 114.480
Total												
Total Cost (Procurement + Support + Installation)	1,142.817	58.117	72.387	74.912	-	74.912	62.802	37.707	37.714	37.637	Continuing	Continuing



## UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army											Date: March 2023																				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10										P-1 Line Item Number / Title: 8659AA0723 / Comms, Nav Surveillance										Modification Number / Title: AA0723 / Comms, Nav Surveillance											
ID Code (A=Service Ready, B=Not Service Ready) :															MDAP/MAIS Code:																
Modification Item 1 of 9: DGNS (AN/ASN-128D) P3I																															
Manufacturer Information																															
Manufacturer Name: BAE International Incorporated														Manufacturer Location: Wayne, NJ																	
Administrative Leadtime (in Months):														Production Leadtime (in Months):																	
Dates		FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Prototype Assets																															
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		46 / 0.296	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		46 / 0.296						
FY 2022		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2023		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2024		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2025		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2026		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2027		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2028		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		46 / 0.296	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		46 / 0.296						
Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46
Out	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army											Date: March 2023																				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10										P-1 Line Item Number / Title: 8659AA0723 / Comms, Nav Surveillance										Modification Number / Title: AA0723 / Comms, Nav Surveillance											
ID Code (A=Service Ready, B=Not Service Ready) :															MDAP/MAIS Code:																
Modification Item 2 of 9: DGNS (AN/ASN-128D) CDU/SW Upgrade ECP B-Kit																															
Manufacturer Information																															
Manufacturer Name: BAE International Incorporated														Manufacturer Location: Wayne, NJ																	
Administrative Leadtime (in Months): 2														Production Leadtime (in Months): 12																	
Dates		FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Modification Work Order (MWO)																															
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		450 / 4.070		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		450 / 4.070							
FY 2022		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2023		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2024		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		450 / 4.070		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		450 / 4.070							
Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	450		
Out	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	450		

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army											<b>Date:</b> March 2023																					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10											<b>P-1 Line Item Number / Title:</b> 8659AA0723 / Comms, Nav Surveillance											<b>Modification Number / Title:</b> AA0723 / Comms, Nav Surveillance										
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :											<b>MDAP/MAIS Code:</b>																					
<b>Modification Item 3 of 9:</b> DGNS (AN/ASN-128D) CDU/SW Upgrade ECP A-Kit																																
<b>Manufacturer Information</b>																																
Manufacturer Name: Mayflower Communications, Inc.													Manufacturer Location: Boston, MA																			
Administrative Leadtime <i>(in Months)</i> : 2													Production Leadtime <i>(in Months)</i> : 12																			
<b>Dates</b>		<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</b>						
Contract Dates																																
Delivery Dates																																
<b>Installation Information</b>																																
<b>Method of Implementation:</b> MWO																																
<b>Installation Cost</b>		<b>Prior Years</b>	<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>		<b>FY 2025</b>		<b>FY 2026</b>		<b>FY 2027</b>		<b>FY 2028</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		235 / 1.260		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		235 / 1.260								
FY 2022		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2023		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2024		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
Total		235 / 1.260		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		235 / 1.260								
<b>Installation Schedule</b>																																
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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	235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	235	
Out	235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	235	

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army											<b>Date:</b> March 2023																					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10											<b>P-1 Line Item Number / Title:</b> 8659AA0723 / Comms, Nav Surveillance											<b>Modification Number / Title:</b> AA0723 / Comms, Nav Surveillance										
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :											<b>MDAP/MAIS Code:</b>																					
<b>Modification Item 4 of 9:</b> Embedded GPS Inertial Nav System (EGI) P3I B-Kit																																
<b>Manufacturer Information</b>																																
Manufacturer Name: Honeywell, Incorporated													Manufacturer Location: Clearwater, FL																			
Administrative Leadtime <i>(in Months)</i> : 2													Production Leadtime <i>(in Months)</i> : 12																			
<b>Dates</b>		<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</b>						
Contract Dates																																
Delivery Dates																																
<b>Installation Information</b>																																
<b>Method of Implementation:</b> MWO																																
<b>Installation Cost</b>		<b>Prior Years</b>	<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>		<b>FY 2025</b>		<b>FY 2026</b>		<b>FY 2027</b>		<b>FY 2028</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		51 / 0.447		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		51 / 0.447								
FY 2022		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2023		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2024		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
Total		51 / 0.447		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		51 / 0.447								
<b>Installation Schedule</b>																																
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	
Out	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army											<b>Date:</b> March 2023																					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10											<b>P-1 Line Item Number / Title:</b> 8659AA0723 / Comms, Nav Surveillance											<b>Modification Number / Title:</b> AA0723 / Comms, Nav Surveillance										
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :											<b>MDAP/MAIS Code:</b>																					
<b>Modification Item 5 of 9:</b> Embedded GPS Inertial Nav System (EGI) P3I A-Kit																																
<b>Manufacturer Information</b>																																
Manufacturer Name: Mayflower Communications, Inc.													Manufacturer Location: Boston, MA																			
Administrative Leadtime <i>(in Months)</i> : 2													Production Leadtime <i>(in Months)</i> : 12																			
<b>Dates</b>		<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</b>						
Contract Dates																																
Delivery Dates																																
<b>Installation Information</b>																																
<b>Method of Implementation:</b> MWO Installation																																
<b>Installation Cost</b>		<b>Prior Years</b>	<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>		<b>FY 2025</b>		<b>FY 2026</b>		<b>FY 2027</b>		<b>FY 2028</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		153 / 0.551		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		153 / 0.551								
FY 2022		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2023		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2024		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
Total		153 / 0.551		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		153 / 0.551								
<b>Installation Schedule</b>																																
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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	153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	153	
Out	153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	153	

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Exhibit P-3a, Individual Modification: PB 2024 Army											Date: March 2023																				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10										P-1 Line Item Number / Title: 8659AA0723 / Comms, Nav Surveillance										Modification Number / Title: AA0723 / Comms, Nav Surveillance											
ID Code (A=Service Ready, B=Not Service Ready) :															MDAP/MAIS Code:																
Modification Item 6 of 9: Aviation Tactical Comm Systems (ATCS) - Alt Comms																															
Manufacturer Information																															
Manufacturer Name: Various														Manufacturer Location: Various																	
Administrative Leadtime (in Months): 2														Production Leadtime (in Months): 10																	
Dates		FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Modification Work Order (MWO)																															
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		415 / 19.416		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		415 / 19.416							
FY 2022		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2023		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2024		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		415 / 19.416		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		415 / 19.416							
Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	415	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415		
Out	415	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415		

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army											<b>Date:</b> March 2023																					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10											<b>P-1 Line Item Number / Title:</b> 8659AA0723 / Comms, Nav Surveillance											<b>Modification Number / Title:</b> AA0723 / Comms, Nav Surveillance										
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :											<b>MDAP/MAIS Code:</b>																					
<b>Modification Item 7 of 9:</b> Aviation Tactical Comm Systems (ATCS) - MARS																																
<b>Manufacturer Information</b>																																
Manufacturer Name: BAE													Manufacturer Location: Largo, FL / FT Wayne IN																			
Administrative Leadtime <i>(in Months)</i> : 1													Production Leadtime <i>(in Months)</i> : 12																			
<b>Dates</b>		<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</b>						
Contract Dates		Nov 2021				Nov 2022				Nov 2023				Nov 2024				Nov 2025														
Delivery Dates		Oct 2022				Oct 2023				Oct 2024				Oct 2025				Oct 2026														
<b>Installation Information</b>																																
<b>Method of Implementation:</b> MWO																																
<b>Installation Cost</b>		<b>Prior Years</b>		<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>		<b>FY 2025</b>		<b>FY 2026</b>		<b>FY 2027</b>		<b>FY 2028</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		574 / 1.050		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		574 / 1.050						
FY 2022		- / -		550 / 1.028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		550 / 1.028						
FY 2023		- / -		- / -		110 / 0.210		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		110 / 0.210						
FY 2024		- / -		- / -		- / -		301 / 0.585		- / -		301 / 0.585		- / -		- / -		- / -		- / -		- / -		- / -		301 / 0.585						
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		420 / 0.833		- / -		- / -		- / -		- / -		- / -		420 / 0.833						
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		243 / 0.492		- / -		- / -		- / -		- / -		243 / 0.492						
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		125 / 0.258		- / -		- / -		- / -		125 / 0.258						
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		201 / 0.423		- / -		- / -		201 / 0.423						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2,348 / 4.943		2,348 / 4.943		2,348 / 4.943						
Total		574 / 1.050		550 / 1.028		110 / 0.210		301 / 0.585		- / -		301 / 0.585		420 / 0.833		243 / 0.492		125 / 0.258		201 / 0.423		2,348 / 4.943		4,872 / 9.822		4,872 / 9.822						
<b>Installation Schedule</b>																																
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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	574	138	138	137	137	28	28	27	27	76	75	75	75	105	105	105	105	61	61	61	60	32	31	31	31	51	50	50	50	2,348	4,872	
Out	431	143	138	138	137	137	28	28	27	27	76	75	75	75	105	105	105	105	61	61	61	60	32	31	31	31	51	50	50	2,398	4,872	

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Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 8659AA0723 / Comms, Nav Surveillance			Modification Number / Title: AA0723 / Comms, Nav Surveillance	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 8 of 9: Airborne Maritime Fixed (AMF-A) Radio Integration							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Modification Work Order (MWO) - Contractor					Installation Quantity: 0		



## UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army											Date: March 2023																					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10											P-1 Line Item Number / Title: 8659AA0723 / Comms, Nav Surveillance											Modification Number / Title: AA0723 / Comms, Nav Surveillance										
ID Code (A=Service Ready, B=Not Service Ready) :											MDAP/MAIS Code:																					
Modification Item 9 of 9: Blue Force Tracking-Aviation (BFT-A)																																
Manufacturer Information																																
Manufacturer Name: Various													Manufacturer Location: Various																			
Administrative Leadtime (in Months): 1													Production Leadtime (in Months): 12																			
Dates		FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028						
Contract Dates		Nov 2021																														
Delivery Dates		Oct 2022																														
Installation Information																																
Method of Implementation: Modification Work Order (MWO) - Contractor																																
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		To Complete		Total									
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)									
Prior Years		2,035 / 65.798		174 / 5.287		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2,209 / 71.085								
FY 2022		- / -		84 / 2.553		119 / 3.570		39 / 1.170		- / -		39 / 1.170		- / -		- / -		- / -		- / -		- / -		242 / 7.293								
FY 2023		- / -		- / -		- / -		8 / 0.240		- / -		8 / 0.240		- / -		- / -		- / -		- / -		- / -		8 / 0.240								
FY 2024		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
Total		2,035 / 65.798		258 / 7.840		119 / 3.570		47 / 1.410		- / -		47 / 1.410		- / -		- / -		- / -		- / -		- / -		2,459 / 78.618								
Installation Schedule																																
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	2,209	61	61	60	60	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,459	
Out	2,035	65	65	64	64	30	30	30	29	12	12	12	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,459	

## UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft							<b>P-1 Line Item Number / Title:</b> 8660A00713 / Degraded Visual Environment					
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	82.694	-	-	16.838	-	16.838	-	-	-	-	-	99.532
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	82.694	-	-	16.838	-	16.838	-	-	-	-	-	99.532
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>82.694</b>	-	-	<b>16.838</b>	-	<b>16.838</b>	-	-	-	-	-	<b>99.532</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b> BLI 8660A00713 / Degraded Visual Environment is a new start in FY 2024.  The Degraded Visual Environment (DVE) Directed Requirement (DR) #1 currently being executed provides the Medical Evacuation Company and Special Operations Aviation Regiment Pilots with the ability to navigate and operate in degraded visual environments. Using a suite of sensors, the DVE system depicts obstacles within the landing zone and provides enhanced situational awareness for pilots to use during DVE operations.  The DVE DR #2 will provide Long Wave Infrared cameras and Helmet Display Tracking systems to a Battalion of UH-60Ms in order to inform the DVE Abbreviated - Capabilities Development Document (A-CDD) and future DVE CDD. The DVE Increment 1 will enable US Army Aviation warfighters to conduct a broader range of operational missions by removing the enemy's relative sanctuary during periods of reduced visibility. Enhanced SA provided by real-time detection and warning of terrain, obstacles, and adjacent aircraft is essential to reducing risk to flight in DVE.  The DVE A-CDD prototyping effort is planned in FY25 to inform the DVE INC 1 CDD. The DVE solution leverages DR sensors and adds significant processing capacity (AMCS), enables helmet mounted display (HMD) hosting and other applicable sensors for multi-environment operations to help inform the DVE prototyping effort. The DVE system will provide sensor fusion, obstacle/wire detection (alerts), Heads-up Eyes-Out HMD with 3-D Symbolology, aircraft cueing, and the capability to fluidly operate in degraded visual environments while accommodating platform specific capabilities. Subsequent DVE development activities will leverage AMCS for processing, fusion activities and reduce Size, Weight, and Power, (SWaP).												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	-	-	16.838	-	16.838	-	-	-	-		
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-		
	<b>Total Obligation Authority</b>	-	-	<b>16.838</b>	-	<b>16.838</b>	-	-	-	-		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army							<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft						<b>P-1 Line Item Number / Title:</b> 8660A00713 / Degraded Visual Environment				
<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>Exhibits Schedule</b>					<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 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-3a	A00713 / Degraded Visual Environment (New or Improved Operational Capability)				- / 82.694	- / -	- / -	- / 16.838	- / -	- / 16.838
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 82.694</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 16.838</b>	<b>- / -</b>	<b>- / 16.838</b>
<b>Exhibits Schedule</b>					<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</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-3a	A00713 / Degraded Visual Environment (New or Improved Operational Capability)				- / -	- / -	- / -	- / -	- / -	- / 99.532
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 99.532</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.</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> There were no requirements in FY22 nor FY23 supporting the DVE DR 1 efforts.</p> <p>FY24 Base procurement dollars in the amount of \$16.838 million will support DVE procurement activities in support of the DVE DR 2 to procure HDTS components and 30 LWIR camera systems. The funds also begin the effort to equip a minimum of 1 Assault Helicopter Battalion with the procurement of LRUs, System Integration and MWO development. Additional funding to complete the effort is required for FY25 - FY29.</p> <p>In accordance with section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.</p>										

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10				<b>P-1 Line Item Number / Title:</b> 8660A00713 / Degraded Visual Environment						<b>Modification Number / Title:</b> A00713 / Degraded Visual Environment		
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	82.694	-	-	16.838	-	16.838	-	-	-	-	-	99.532
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	82.694	-	-	16.838	-	16.838	-	-	-	-	-	99.532
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>82.694</b>	-	-	<b>16.838</b>	-	<b>16.838</b>	-	-	-	-	-	<b>99.532</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<p><b>Description:</b></p> <p>The DVE Directed Requirement (DR) #1 currently being executed provides the Medical Evacuation Company and Special Operations Aviation Regiment Pilots with the ability to navigate and operate in degraded visual environments. Using a suite of sensors, the DVE system depicts obstacles within the landing zone and provides enhanced situational awareness for pilots to use during DVE operations.</p> <p>The DVE DR #2 will provide Long Wave Infrared cameras and Helmet Display Tracking systems to a Battalion of UH-60Ms in order to inform the DVE Abbreviated - Capabilities Development Document (A-CDD) and future DVE CDD. The DVE Increment 1 will enable US Army Aviation warfighters to conduct a broader range of operational missions by removing the enemy's relative sanctuary during periods of reduced visibility. Enhanced SA provided by real-time detection and warning of terrain, obstacles, and adjacent aircraft is essential to reducing risk to flight in DVE.</p> <p>The DVE A-CDD prototyping effort is planned in FY25 to inform the DVE INC 1 CDD. The DVE solution leverages DR sensors and adds significant processing capacity (AMCS), enables helmet mounted display (HMD) hosting and other applicable sensors for multi-environment operations to help inform the DVE prototyping effort. The DVE system will provide sensor fusion, obstacle/wire detection (alerts), Heads-up Eyes-Out HMD with 3-D Symbolology, aircraft cueing, and the capability to fluidly operate in degraded visual environments while accommodating platform specific capabilities. Subsequent DVE development activities will leverage AMCS for processing, fusion activities and reduce Size, Weight, and Power, (SWaP).</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	-	-	16.838	-	16.838	-	-	-	-		
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-		
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	-	-	<b>16.838</b>	-	<b>16.838</b>	-	-	-	-		

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Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 8660A00713 / Degraded Visual Environment				Modification Number / Title: A00713 / Degraded Visual Environment					
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: HH-60M/MH-60M/ UH-60M				Modification Type: New or Improved Operational Capability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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 2: Degraded Visual Environment													
A Kits													
Recurring													
A Kit	15 / 3.334	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 3.334	
Subtotal: Recurring	15 / 3.334	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 3.334	
B Kits													
Recurring													
B Kit	84 / 70.154	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	84 / 70.154	
Systems Engineering	- / 0.909	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.909	
Fielding/Training/Support Equipment	- / 3.628	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.628	
Other PM Admin	- / 4.669	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.669	
Subtotal: Recurring	84 / 79.360	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	84 / 79.360	
Subtotal: Degraded Visual Environment	99 / 82.694	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	99 / 82.694	
Modification Item 2 of 2: Degraded Visual Environment Directed Requirement 2													
A Kits													
Recurring													
LWIR Camera Other PM Admin	- / -	- / -	- / -	- / 0.852	- / -	- / 0.852	- / -	- / -	- / -	- / -	- / -	- / 0.852	
LWIR Camera/HDTS Kit Qty	- / -	- / -	- / -	30 / 3.028	- / -	30 / 3.028	- / -	- / -	- / -	- / -	- / -	30 / 3.028	
LWIR Camera MWO Application	- / -	- / -	- / -	- / 0.196	- / -	- / 0.196	- / -	- / -	- / -	- / -	- / -	- / 0.196	
HDTS Other PM Admin	- / -	- / -	- / -	- / 1.247	- / -	- / 1.247	- / -	- / -	- / -	- / -	- / -	- / 1.247	
HDTS MWO Application	- / -	- / -	- / -	- / 0.271	- / -	- / 0.271	- / -	- / -	- / -	- / -	- / -	- / 0.271	
LWIR Camera Engineering Services	- / -	- / -	- / -	- / 0.623	- / -	- / 0.623	- / -	- / -	- / -	- / -	- / -	- / 0.623	
Subtotal: Recurring	- / -	- / -	- / -	30 / 6.217	- / -	30 / 6.217	- / -	- / -	- / -	- / -	- / -	30 / 6.217	
Non-Recurring													
LWIR Camera NRE	- / -	- / -	- / -	- / 2.577	- / -	- / 2.577	- / -	- / -	- / -	- / -	- / -	- / 2.577	
HDTS MWO Application	- / -	- / -	- / -	- / 3.082	- / -	- / 3.082	- / -	- / -	- / -	- / -	- / -	- / 3.082	
Subtotal: Non-Recurring	- / -	- / -	- / -	- / 5.659	- / -	- / 5.659	- / -	- / -	- / -	- / -	- / -	- / 5.659	
B Kits													
Recurring													

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army										<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10				<b>P-1 Line Item Number / Title:</b> 8660A00713 / Degraded Visual Environment						<b>Modification Number / Title:</b> A00713 / Degraded Visual Environment			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :								<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> HH-60M/MH-60M/ UH-60M				<b>Modification Type:</b> New or Improved Operational Capability				<b>Related RDT&amp;E PEs:</b>					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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)	
LWIR Camera Kit Qty	- / -	- / -	- / -	30 / 3.984	- / -	30 / 3.984	- / -	- / -	- / -	- / -	- / -	30 / 3.984	
LWIR Camera Video Splitter	- / -	- / -	- / -	- / 0.269	- / -	- / 0.269	- / -	- / -	- / -	- / -	- / -	- / 0.269	
LWIR Camera CHU	- / -	- / -	- / -	- / 0.709	- / -	- / 0.709	- / -	- / -	- / -	- / -	- / -	- / 0.709	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	30 / 4.962	- / -	30 / 4.962	- / -	- / -	- / -	- / -	- / -	30 / 4.962	
<i>Subtotal: Degraded Visual Environment Directed Requirement 2</i>	- / -	- / -	- / -	60 / 16.838	- / -	60 / 16.838	- / -	- / -	- / -	- / -	- / -	60 / 16.838	
<i>Subtotal: Procurement, All Modification Items</i>	99 / 82.694	- / -	- / -	60 / 16.838	- / -	60 / 16.838	- / -	- / -	- / -	- / -	- / -	159 / 99.532	
<b>Installation</b>													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	82.694	-	-	16.838	-	16.838	-	-	-	-	-	99.532	

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Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 8660A00713 / Degraded Visual Environment			Modification Number / Title: A00713 / Degraded Visual Environment	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 1 of 2: Degraded Visual Environment							
Manufacturer Information							
Manufacturer Name: Sierra Nevada Corporation				Manufacturer Location: Sparks, NV			
Administrative Leadtime (in Months): 14				Production Leadtime (in Months): 10			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Modification Work Order (MWO)					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 8660A00713 / Degraded Visual Environment			Modification Number / Title: A00713 / Degraded Visual Environment	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 2 of 2: Degraded Visual Environment Directed Requirement 2							
Manufacturer Information							
Manufacturer Name: Leonardo DRS				Manufacturer Location: Dallas, TX			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 16			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Oct 2023				
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Modification Work Order (MWO)					Installation Quantity: 0		



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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft							<b>P-1 Line Item Number / Title:</b> 8662A01006 / Aviation ASSURED PNT					
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	53.509	45.862	66.294	67.383	-	67.383	58.478	60.061	60.075	59.953	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	53.509	45.862	66.294	67.383	-	67.383	58.478	60.061	60.075	59.953	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>53.509</b>	<b>45.862</b>	<b>66.294</b>	<b>67.383</b>	-	<b>67.383</b>	<b>58.478</b>	<b>60.061</b>	<b>60.075</b>	<b>59.953</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	133.439	2,293.100	92.203	146.485	-	146.485	82.596	107.444	85.577	123.360	Continuing	Continuing

**Description:**  
Prior to FY2021, funding for Aviation ASSURED PNT (Army Navigation Systems) was executed out of Budget Line Item 8659AA0723, Comms, Nav Surveillance.

Assured-Position, Navigation, and Timing (A-PNT) provides Army aviation with unhindered access to trusted Position, Navigation, and Timing information within contested environments. To meet near term APNT modernization requirements, Army Aviation is currently pursuing critical near term capabilities for the enduring fleet. A-PNT will enable aircrews to access and trust PNT information required to conduct PNT dependent tasks and ultimately provide alternate, contingency, or emergency PNT solutions to allow the aircrew to complete the mission or recover safely. To provide the most robust solution, platform level A-PNT includes layers of assurance such as modernized GPS receivers, improved resiliency functions in GPS receivers, navigation equipment, and anti-jam antenna systems. Alternate capabilities will be investigated, evaluated, and implemented into the Embedded GPS Inertial Navigation System (EGI)/Enhanced Aviation GATM Localizer Performance with Vertical Guidance (LPV) EGI (EAGLE)/EAGLE-M as standalone or blended navigation functions. The implementation will be configurable to accept position, velocity, and time measurements from other PNT solutions.

The Doppler Global Positioning System Navigation Set (DGNS) Upgrade program supports system engineering to reduce space, weight, and power as well as supports current and future Civil Airspace requirements.

EAGLE-M integration and procurement introduces the capability to receive and process the new military code GPS signal security, significantly enhancing A-PNT capability. It supports the requirement to maintain A-PNT throughout operations and requires assessment and follow-on upgrade to the EGI navigation system. EAGLE-M will support future capabilities such as Alternate PNT (ALT-PNT) and additional system upgrades enabling Joint All-Domain Operations (JADO) in contested GPS environments. EAGLE-M enables LPV allowing precision navigation and approach capabilities in the national airspace.

The Multi-platform Anti-jam GPS Navigation Antenna (MAGNA) integration and procurement introduces a GPS anti-jam adaptive antenna system capability that receives legacy and modernized NAVSTAR GPS satellite signals. The MAGNA reduces the effect of GPS jamming by rejecting the interfering signals before they disrupt the GPS receiver enabling the Warfighter continued access to GPS-provided Position, Navigation, and Timing (PNT) in a GPS degraded environment.

This exhibit is for a budget line that procures multiple items and does not have a single Army Acquisition Objective.

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft					P-1 Line Item Number / Title: 8662A01006 / Aviation ASSURED PNT					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A				Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	25.216	36.462	37.061	-	37.061	32.163	33.034	33.041	32.975
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	18.352	26.517	26.953	-	26.953	23.391	24.024	24.030	23.981
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.294	3.315	3.369	-	3.369	2.924	3.003	3.004	2.997
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	45.862	66.294	67.383	-	67.383	58.478	60.061	60.075	59.953

## UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army								<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft						<b>P-1 Line Item Number / Title:</b> 8662A01006 / Aviation ASSURED PNT				
<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>Exhibits Schedule</b>					<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 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-3a	A01006 / Aviation ASSURED PNT (New or Improved Operational Capability)				- / 53.509	- / 45.862	- / 66.294	- / 67.383	- / -	- / 67.383
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 53.509</b>	<b>- / 45.862</b>	<b>- / 66.294</b>	<b>- / 67.383</b>	<b>- / -</b>	<b>- / 67.383</b>
<b>Exhibits Schedule</b>					<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</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-3a	A01006 / Aviation ASSURED PNT (New or Improved Operational Capability)				- / 58.478	- / 60.061	- / 60.075	- / 59.953	Continuing	Continuing
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 58.478</b>	<b>- / 60.061</b>	<b>- / 60.075</b>	<b>- / 59.953</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.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
<p><b>Justification:</b> Any reductions in funding would delay fielding of critical A-PNT requirements resulting in inability to operate in a GPS degraded/denied environment.</p> <p>Due to the global supply chain crisis, there is a risk that MAGNA-GPS Anti Jam Antenna deliveries exceed 18 months due to suppliers having unpredictable lead times for procurements of parts and sub-components.</p> <p>Increased Aircraft integration costs are due to supply chain constraints, rising inflationary costs and increased platform Original Equipment Manufacturer Operational Flight Program costs.</p> <p>FY2024 Base Procurement dollars in the amount of \$0.493 million completes the fielding of software for DGNS Suite E.</p> <p>FY2024 Base Procurement dollars in the amount of \$41.927 million supports the integration, production, and installation of EAGLE-M for multiple aircraft platforms. There are currently three configurations of EAGLE-M that will be procured that each have varying unit costs. This line also supports product integration at the platform level, of which each platform cost will vary. Further, this line funds the procurement of retrofit kits which enables realized cost savings utilizing legacy EGI's/EAGLE's from the enduring fleet.</p> <p>FY2024 Base Procurement dollars in the amount of \$24.963 million supports the integration, procurement, and installation of MAGNA B Kits. This line also funds A-Kit integration and procurement for this product which cost can vary by platform due to individual platform requirements. Costs for MAGNA B Kits is based on the quantity that are being procured.</p> <p>In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p>										

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10				<b>P-1 Line Item Number / Title:</b> 8662A01006 / Aviation ASSURED PNT						<b>Modification Number / Title:</b> A01006 / Aviation ASSURED PNT		
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	53.509	45.862	66.294	67.383	-	67.383	58.478	60.061	60.075	59.953	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	53.509	45.862	66.294	67.383	-	67.383	58.478	60.061	60.075	59.953	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>53.509</b>	<b>45.862</b>	<b>66.294</b>	<b>67.383</b>	<b>-</b>	<b>67.383</b>	<b>58.478</b>	<b>60.061</b>	<b>60.075</b>	<b>59.953</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 Thousands</i> )	133.439	2,293.100	92.203	146.485	-	146.485	82.596	107.444	85.577	123.360	Continuing	Continuing
<p><b>Description:</b> Prior to FY2021, funding for Aviation ASSURED PNT (Army Navigation Systems) was executed out of Budget Line Item 8659AA0723, Comms, Nav Surveillance.</p> <p>Assured-Position, Navigation, and Timing (A-PNT) provides Army aviation with unhindered access to trusted Position, Navigation, and Timing (PNT) information within contested environments. To meet near term A-PNT modernization requirements, Army Aviation is currently pursuing critical near term capabilities for the enduring fleet. A-PNT will enable aircrews to access and trust PNT information required to conduct PNT dependent tasks and ultimately provide alternate, contingency, or emergency PNT solutions to allow the aircrew to complete the mission or recover safely. To provide the most robust solution, platform level A-PNT includes layers of assurance such as modernized Global Navigation Satellite System (GNSS) GPS receivers, improved resiliency functions in GPS receivers, navigation equipment, and anti-jam antenna systems. Alternate capabilities (non-GPS) and/or complimentary PNT solutions will be investigated, evaluated, and implemented as standalone or blended navigation functions. The implementation will be configurable to accept position, velocity, and time measurements from other PNT solutions.</p> <p>The Doppler Global Positioning System Navigation Set (DGNS) Upgrade program supports system engineering to reduce space, weight, and power as well as supports current and future Civil Airspace requirements.</p> <p>Embedded GPS Inertial Navigation System (EGI)/Enhanced Aviation GATM Localizer Performance with Vertical Guidance (LPV) EGI (EAGLE)/EAGLE-M integration and procurement introduces the capability to receive and process the new military code (M-Code) GPS signal security, significantly enhancing A-PNT capability. It supports the requirement to maintain A-PNT throughout operations and requires assessment and follow-on upgrade to the EGI navigation system. EAGLE-M will support future capabilities such as Alternate PNT (ALT-PNT) and additional system upgrades enabling Joint All-Domain Operations (JADO) in contested GPS environments. EAGLE-M enables LPV allowing precision navigation and approach capabilities in both civil and military airspace.</p> <p>The Multi-platform Anti-jam GPS Navigation Antenna (MAGNA) integration and procurement introduces a GPS anti-jam adaptive antenna system capability that receives legacy and modernized NAVSTAR GPS satellite signals. The MAGNA reduces the effect of GPS jamming by rejecting the interfering signals before they disrupt the GPS receiver enabling the Warfighter continued access to GPS-provided Position, Navigation, and Timing (PNT) in a GPS degraded environment.</p> <p>This exhibit is for a budget line that procures multiple items and does not have a single Army Acquisition Objective.</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	25.216	36.462	37.061	-	37.061	32.163	33.034	33.041	32.975		

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Exhibit P-3a, Individual Modification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 8662A01006 / Aviation ASSURED PNT				Modification Number / Title: A01006 / Aviation ASSURED PNT			
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:					
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	18.352	26.517	26.953	-	26.953	23.391	24.024	24.030	23.981
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.294	3.315	3.369	-	3.369	2.924	3.003	3.004	2.997
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	45.862	66.294	67.383	-	67.383	58.478	60.061	60.075	59.953

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army								<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10				<b>P-1 Line Item Number / Title:</b> 8662A01006 / Aviation ASSURED PNT				<b>Modification Number / Title:</b> A01006 / Aviation ASSURED PNT					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :								<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> UH/HH-60A/L/V, UH/HH/MH-60M, CH-47D, CH/MH-47F, AH-64D/E, FW, UAS				<b>Modification Type:</b> New or Improved Operational Capability				<b>Related RDT&amp;E PEs:</b>					
<b>Financial Plan</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</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 3:</b> DGNS (AN/ASN-128D) CDU/ SW Upgrade ECP B-Kit													
B Kits													
Recurring													
Fielding	- / 1.174	- / 1.449	- / 0.870	- / 0.203	- / -	- / 0.203	- / -	- / -	- / -	- / -	- / -	- / 3.696	
Shared Services	- / 0.723	- / 0.510	- / 0.429	- / 0.205	- / -	- / 0.205	- / -	- / -	- / -	- / -	- / -	- / 1.867	
<b>Subtotal: Recurring</b>	<b>- / 1.897</b>	<b>- / 1.959</b>	<b>- / 1.299</b>	<b>- / 0.408</b>	<b>- / -</b>	<b>- / 0.408</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 5.563</b>	
Non-Recurring													
System Test & Evaluation	- / 0.385	- / 0.541	- / 0.083	- / 0.085	- / -	- / 0.085	- / -	- / -	- / -	- / -	- / -	- / 1.094	
<b>Subtotal: Non-Recurring</b>	<b>- / 0.385</b>	<b>- / 0.541</b>	<b>- / 0.083</b>	<b>- / 0.085</b>	<b>- / -</b>	<b>- / 0.085</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 1.094</b>	
<b>Subtotal: DGNS (AN/ASN-128D) CDU/ SW Upgrade ECP B-Kit</b>	<b>- / 2.282</b>	<b>- / 2.500</b>	<b>- / 1.382</b>	<b>- / 0.493</b>	<b>- / -</b>	<b>- / 0.493</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 6.657</b>	
<b>Modification Item 2 of 3:</b> MAGNA - GPS Anti Jam Antenna													
A Kits													
Recurring													
MAGNA - A-Kits	225 / 3.278	190 / 1.900	450 / 2.510	503 / 2.758	- / -	503 / 2.758	214 / 1.178	191 / 1.072	444 / 2.666	469 / 2.915	2,119 / 19.071	4,805 / 37.348	
<b>Subtotal: Recurring</b>	<b>225 / 3.278</b>	<b>190 / 1.900</b>	<b>450 / 2.510</b>	<b>503 / 2.758</b>	<b>- / -</b>	<b>503 / 2.758</b>	<b>214 / 1.178</b>	<b>191 / 1.072</b>	<b>444 / 2.666</b>	<b>469 / 2.915</b>	<b>2,119 / 19.071</b>	<b>4,805 / 37.348</b>	
B Kits													
Recurring													
MAGNA - GPS Anti Jam Antenna	225 / 8.171	182 / 4.596	455 / 14.202	190 / 6.867	- / -	190 / 6.867	481 / 17.015	182 / 6.413	455 / 15.281	187 / 6.806	2,448 / 83.232	4,805 / 162.583	
Systems Test & Eval	- / -	- / -	- / 1.536	- / 1.396	- / -	- / 1.396	- / 2.334	- / 2.353	- / 2.156	- / 2.146	Continuing	Continuing	
Shared Services	- / 2.646	- / 3.204	- / 4.101	- / 3.466	- / -	- / 3.466	- / 4.125	- / 4.288	- / 4.453	- / 4.623	Continuing	Continuing	
MAGNA - Spares	19 / 0.703	18 / 0.455	45 / 1.227	20 / 0.566	- / -	20 / 0.566	19 / 0.553	18 / 0.534	45 / 1.256	45 / 1.282	306 / 9.180	535 / 15.756	
<b>Subtotal: Recurring</b>	<b>244 / 11.520</b>	<b>200 / 8.255</b>	<b>500 / 21.066</b>	<b>210 / 12.295</b>	<b>- / -</b>	<b>210 / 12.295</b>	<b>500 / 24.027</b>	<b>200 / 13.588</b>	<b>500 / 23.146</b>	<b>232 / 14.857</b>	<b>Continuing</b>	<b>Continuing</b>	
Non-Recurring													
Aircraft Integration	- / 11.408	- / 3.536	- / 3.627	- / 5.909	- / -	- / 5.909	- / 5.294	- / 5.656	- / 5.352	- / 5.214	Continuing	Continuing	
<b>Subtotal: Non-Recurring</b>	<b>- / 11.408</b>	<b>- / 3.536</b>	<b>- / 3.627</b>	<b>- / 5.909</b>	<b>- / -</b>	<b>- / 5.909</b>	<b>- / 5.294</b>	<b>- / 5.656</b>	<b>- / 5.352</b>	<b>- / 5.214</b>	<b>Continuing</b>	<b>Continuing</b>	
<b>Subtotal: MAGNA - GPS Anti Jam Antenna</b>	<b>469 / 26.206</b>	<b>390 / 13.691</b>	<b>950 / 27.203</b>	<b>713 / 20.962</b>	<b>- / -</b>	<b>713 / 20.962</b>	<b>714 / 30.499</b>	<b>391 / 20.316</b>	<b>944 / 31.164</b>	<b>701 / 22.986</b>	<b>Continuing</b>	<b>Continuing</b>	

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Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 8662A01006 / Aviation ASSURED PNT				Modification Number / Title: A01006 / Aviation ASSURED PNT					
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: UH/HH-60A/L/V, UH/HH/MH-60M, CH-47D, CH/MH-47F, AH-64D/E, FW, UAS				Modification Type: New or Improved Operational Capability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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 3 of 3: Embedded GPS Inertial Nav System (EGI) EAGLE-M B Kit													
B Kits													
Recurring													
EGI EAGLE-M	45 / 4.411	16 / 1.635	165 / 17.441	171 / 18.578	- / -	171 / 18.578	45 / 5.045	123 / 13.509	20 / 2.308	83 / 9.403	1,054 / 105.400	1,722 / 177.730	
EAGLE M Retrofit	- / -	- / -	33 / 1.803	56 / 3.621	- / -	56 / 3.621	144 / 8.100	204 / 11.390	164 / 9.571	148 / 8.990	4,584 / 320.880	5,333 / 364.355	
Shared Services	- / 3.239	- / 5.522	- / 4.522	- / 5.109	- / -	- / 5.109	- / 5.282	- / 5.529	- / 5.948	- / 6.511	Continuing	Continuing	
EAGLE-M Spares New	5 / 0.484	4 / 0.426	17 / 1.838	17 / 1.875	- / -	17 / 1.875	5 / 0.562	12 / 1.377	2 / 0.234	8 / 0.955	102 / 10.200	172 / 17.951	
EAGLE-M Spares Retrofit	- / -	- / -	2 / 0.098	6 / 0.300	- / -	6 / 0.300	14 / 0.714	20 / 1.042	16 / 0.850	15 / 0.813	461 / 27.355	534 / 31.172	
System Test and Eval	- / 0.903	- / 3.207	- / 4.136	- / 4.096	- / -	- / 4.096	- / 3.173	- / 2.502	- / 2.544	- / 2.533	Continuing	Continuing	
Subtotal: Recurring	50 / 9.037	20 / 10.790	217 / 29.838	250 / 33.579	- / -	250 / 33.579	208 / 22.876	359 / 35.349	202 / 21.455	254 / 29.205	Continuing	Continuing	
Non-Recurring													
Aircraft Integration	- / 15.984	- / 17.251	- / 4.258	- / 7.927	- / -	- / 7.927	- / 2.449	- / 2.183	- / 2.685	- / 2.655	Continuing	Continuing	
Subtotal: Non-Recurring	- / 15.984	- / 17.251	- / 4.258	- / 7.927	- / -	- / 7.927	- / 2.449	- / 2.183	- / 2.685	- / 2.655	Continuing	Continuing	
Subtotal: Embedded GPS Inertial Nav System (EGI) EAGLE-M B Kit	50 / 25.021	20 / 28.041	217 / 34.096	250 / 41.506	- / -	250 / 41.506	208 / 25.325	359 / 37.532	202 / 24.140	254 / 31.860	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	519 / 53.509	410 / 44.232	1,167 / 62.681	963 / 62.961	- / -	963 / 62.961	922 / 55.824	750 / 57.848	1,146 / 55.304	955 / 54.846	Continuing	Continuing	
Installation													
Modification Item 2 of 3: MAGNA - GPS Anti Jam Antenna	- / -	200 / 1.487	243 / 3.508	455 / 4.001	- / -	455 / 4.001	190 / 1.736	182 / 1.580	425 / 3.747	455 / 4.038	2,655 / 25.941	4,805 / 46.038	
Modification Item 3 of 3: Embedded GPS Inertial Nav System (EGI) EAGLE-M B Kit	- / -	45 / 0.143	33 / 0.105	130 / 0.421	- / -	130 / 0.421	227 / 0.918	189 / 0.633	327 / 1.024	184 / 1.069	5,920 / 29.546	7,055 / 33.859	
Subtotal: Installation	- / -	245 / 1.630	276 / 3.613	585 / 4.422	- / -	585 / 4.422	417 / 2.654	371 / 2.213	752 / 4.771	639 / 5.107	8,575 / 55.487	11,860 / 79.897	
Total													
Total Cost (Procurement + Support + Installation)	53.509	45.862	66.294	67.383	-	67.383	58.478	60.061	60.075	59.953	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10		P-1 Line Item Number / Title: 8662A01006 / Aviation ASSURED PNT			Modification Number / Title: A01006 / Aviation ASSURED PNT		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 1 of 3: DGNS (AN/ASN-128D) CDU/ SW Upgrade ECP B-Kit							
Manufacturer Information							
Manufacturer Name: BAE International Incorporated				Manufacturer Location: Wayne, NJ			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Modification Work Order (MWO)					Installation Quantity: 0		



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Exhibit P-3a, Individual Modification: PB 2024 Army											Date: March 2023																					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10										P-1 Line Item Number / Title: 8662A01006 / Aviation ASSURED PNT										Modification Number / Title: A01006 / Aviation ASSURED PNT												
ID Code (A=Service Ready, B=Not Service Ready) :															MDAP/MAIS Code:																	
Modification Item 2 of 3: MAGNA - GPS Anti Jam Antenna																																
Manufacturer Information																																
Manufacturer Name: Mayflower Communications, Inc														Manufacturer Location: Bedford, MA																		
Administrative Leadtime (in Months): 2														Production Leadtime (in Months): 12																		
Dates		FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028						
Contract Dates		Dec 2021				Dec 2022				Dec 2023				Dec 2024				Dec 2025				Dec 2026										
Delivery Dates		Nov 2022				Nov 2023				Nov 2024				Nov 2025				Nov 2026				Nov 2027										
Installation Information																																
Method of Implementation: MWO																																
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		To Complete		Total									
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)									
Prior Years		- / -	- / -		180 / 2.803		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		180 / 2.803									
FY 2022		- / -	200 / 1.487		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		200 / 1.487									
FY 2023		- / -	- / -		63 / 0.705		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		63 / 0.705									
FY 2024		- / -	- / -		- / -		455 / 4.001		- / -		455 / 4.001		- / -		- / -		- / -		- / -		- / -		455 / 4.001									
FY 2025		- / -	- / -		- / -		- / -		- / -		- / -		190 / 1.736		- / -		- / -		- / -		- / -		190 / 1.736									
FY 2026		- / -	- / -		- / -		- / -		- / -		- / -		- / -		182 / 1.580		- / -		- / -		- / -		182 / 1.580									
FY 2027		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		425 / 3.747		- / -		- / -		425 / 3.747									
FY 2028		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		455 / 4.038		- / -		455 / 4.038									
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2,655 / 25.941		2,655 / 25.941									
Total		- / -	200 / 1.487		243 / 3.508		455 / 4.001		- / -		455 / 4.001		190 / 1.736		182 / 1.580		425 / 3.747		455 / 4.038		2,655 / 25.941		4,805 / 46.038									
Installation Schedule																																
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	-	50	50	50	50	61	61	61	60	113	114	114	114	47	47	48	48	45	45	46	46	106	106	106	107	113	114	114	114	2,655	4,805	
Out	-	-	50	50	50	50	61	61	61	60	113	114	114	114	47	47	48	48	45	45	46	46	106	106	106	107	113	114	114	114	2,769	4,805

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army										<b>Date:</b> March 2023																					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10										<b>P-1 Line Item Number / Title:</b> 8662A01006 / Aviation ASSURED PNT										<b>Modification Number / Title:</b> A01006 / Aviation ASSURED PNT											
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :															<b>MDAP/MAIS Code:</b>																
<b>Modification Item 3 of 3:</b> Embedded GPS Inertial Nav System (EGI) EAGLE-M B Kit																															
<b>Manufacturer Information</b>																															
Manufacturer Name: Honeywell, Incorporated															Manufacturer Location: Clearwater, FL																
Administrative Leadtime (in Months): 2															Production Leadtime (in Months): 12																
<b>Dates</b>		<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</b>					
Contract Dates		Dec 2021				Dec 2022				Dec 2023				Dec 2024				Dec 2025													
Delivery Dates		Nov 2022				Nov 2023				Nov 2024				Nov 2025				Nov 2026													
<b>Installation Information</b>																															
<b>Method of Implementation:</b> MWO																															
<b>Installation Cost</b>		<b>Prior Years</b>		<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>		<b>FY 2025</b>		<b>FY 2026</b>		<b>FY 2027</b>		<b>FY 2028</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		0 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2022		- / -		45 / 0.143		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		45 / 0.143					
FY 2023		- / -		- / -		33 / 0.105		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		33 / 0.105					
FY 2024		- / -		- / -		- / -		130 / 0.421		- / -		130 / 0.421		- / -		- / -		- / -		- / -		- / -		- / -		130 / 0.421					
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		227 / 0.918		- / -		- / -		- / -		- / -		- / -		227 / 0.918					
FY 2026		- / -		- / -		- / -		- / -		- / -		- / -		- / -		189 / 0.633		- / -		- / -		- / -		- / -		189 / 0.633					
FY 2027		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		327 / 1.024		- / -		- / -		- / -		327 / 1.024					
FY 2028		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		184 / 1.069		- / -		- / -		184 / 1.069					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		5,920 / 29.546		5,920 / 29.546		5,920 / 29.546					
Total		- / -		45 / 0.143		33 / 0.105		130 / 0.421		- / -		130 / 0.421		227 / 0.918		189 / 0.633		327 / 1.024		184 / 1.069		5,920 / 29.546		7,055 / 33.859		7,055 / 33.859					
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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	-	11	11	11	12	8	8	8	9	32	32	33	33	56	57	57	57	47	47	47	48	81	82	82	82	46	46	46	46	5,920	7,055
Out	-	-	11	11	11	12	8	8	8	9	32	32	33	33	56	57	57	57	47	47	47	48	81	82	82	82	46	46	46	5,966	7,055

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft						<b>P-1 Line Item Number / Title:</b> 8859AA0711 / GATM Rollup						
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	777.480	16.776	14.683	8.924	-	8.924	4.956	4.997	-	-	-	827.816
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	777.480	16.776	14.683	8.924	-	8.924	4.956	4.997	-	-	-	827.816
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>777.480</b>	<b>16.776</b>	<b>14.683</b>	<b>8.924</b>	<b>-</b>	<b>8.924</b>	<b>4.956</b>	<b>4.997</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>827.816</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<p><b>Description:</b></p> <p>Global Air Traffic Management (GATM) provides the equipment, training, and procedures mandated by Civilian Air Traffic Control (ATC) authorities in order to operate within 21st century airspace. GATM requirements are driven by civil aviation authorities and are not under DoD control. Meeting the worldwide GATM requirement will entail the upgrade and procurement of the Common Transponder (CXP) for rotary wing and Unmanned Aircraft System fleets.</p> <p>GATM provides Army aircraft with improved capabilities to allow them to continue to operate in civil controlled airspace. Identification Friend or Foe (IFF) Mode 5 provides enhanced security and greatly improved performance and also improves compatibility with civil Air Traffic Control by providing less interference. GATM is also necessary since Europe currently mandates Mode S, a Secondary Surveillance Radar process, and plans expansion of the ability for Air Traffic Controllers to communicate with more aircraft in controlled airspace in high volume traffic areas. Army aircraft will not be allowed to transit through or operate in European airspace affected by these mandates unless the necessary GATM upgrades are made. Benefits of GATM include allowing for operations in worldwide civil controlled airspace and improving safety and operational efficiency while meeting emerging security requirements.</p> <p>Meeting worldwide GATM requirements for rotary wing and Unmanned Aircraft System (UAS) fleets will entail the upgrading of some existing avionics and the procurement of new systems. The GATM program includes the Alt Comms and Multi-Mode Aviation Radio Set programs, the Common Transponder (CXP) Programs, the Embedded GPS Inertial (EGI) Navigation Systems, and aircraft Flight Management Systems. These systems will provide Army aircraft with improved capabilities to allow them to continue to operate in civil controlled airspace as well as to operate in European controlled airspace. Funding for the EGI Navigation Systems transitioned to the Aviation Assured PNT line, Line Item Number 8662A01006, in FY21.</p> <p>FY24 is the last year the APX-123A will be produced by industry and requires a buy out of transponders to support the UH-60M production line.</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	9.227	8.076	4.932	-	4.932	2.741	2.765	-	-		
ANG	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	6.710	5.873	3.548	-	3.548	1.969	1.984	-	-		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft					P-1 Line Item Number / Title: 8859AA0711 / GATM Rollup					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A				Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.839	0.734	0.444	-	0.444	0.246	0.248	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	16.776	14.683	8.924	-	8.924	4.956	4.997	-	-

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army								<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft						<b>P-1 Line Item Number / Title:</b> 8859AA0711 / GATM Rollup				
<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>Exhibits Schedule</b>					<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 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-3a	AA0704 / GATM - Rotary Wing Aircraft (New or Improved Operational Capability)				- / 777.480	- / 16.776	- / 14.683	- / 8.924	- / -	- / 8.924
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 777.480</b>	<b>- / 16.776</b>	<b>- / 14.683</b>	<b>- / 8.924</b>	<b>- / -</b>	<b>- / 8.924</b>
<b>Exhibits Schedule</b>					<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</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-3a	AA0704 / GATM - Rotary Wing Aircraft (New or Improved Operational Capability)				- / 4.956	- / 4.997	- / -	- / -	- / -	- / 827.816
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 4.956</b>	<b>- / 4.997</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 827.816</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> FY24 Base Procurement dollars for \$8.924 million supports Common Transponder APX-123A B-Kit procurement and integration for a total quantity of 57. With the FY24 procurement, the GATM Common Transponder is on track to reach the AAO of 3,985. FY24 is the last year the APX-123A will be produced by industry.</p> <p>Recurring non-production costs support production line supply management, post-delivery modifications tied to National Security Agency requirements for transponder hardware, upgrades and conversions of legacy transponder systems, and transition to sustainment of prior legacy transponder system.</p> <p>B-Kit unit cost varies between years due to contract inflation adjustments and economic order quantity discounts. Integration costs for this system vary by platform and by fiscal year due to individual platform requirements.</p> <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p>										

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Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 8859AA0711 / GATM Rollup				Modification Number / Title: AA0704 / GATM - Rotary Wing Aircraft					
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Resource Summary		Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>		-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>		777.480	16.776	14.683	8.924	-	8.924	4.956	4.997	-	-	-	827.816
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>		777.480	16.776	14.683	8.924	-	8.924	4.956	4.997	-	-	-	827.816
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>		777.480	16.776	14.683	8.924	-	8.924	4.956	4.997	-	-	-	827.816
(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 Thousands)</i>		3,667.358	49.341	104.879	156.561	-	156.561	-	-	-	-	-	1,105.228
Description: Global Air Traffic Management (GATM) provides the equipment, training, and procedures mandated by Civilian Air Traffic Control (ATC) authorities in order to operate within 21st century airspace. GATM requirements are driven by civil aviation authorities and are not under DoD control. Meeting the worldwide GATM requirement will entail the upgrade and procurement of the Common Transponder (CXP) for rotary wing and Unmanned Aircraft System fleets. GATM provides Army aircraft with improved capabilities to allow them to continue to operate in civil controlled airspace. Identification Friend or Foe (IFF) Mode 5 provides enhanced security and greatly improved performance and also improves compatibility with civil Air Traffic Control by providing less interference. GATM is also necessary since Europe currently mandates Mode S, a Secondary Surveillance Radar process, and plans expansion of the ability for Air Traffic Controllers to communicate with more aircraft in controlled airspace in high volume traffic areas. Army aircraft will not be allowed to transit through or operate in European airspace affected by these mandates unless the necessary GATM upgrades are made. Benefits of GATM include allowing for operations in worldwide civil controlled airspace and improving safety and operational efficiency while meeting emerging security requirements.  Meeting worldwide GATM requirements for rotary wing and Unmanned Aircraft System (UAS) fleets will entail the upgrading of some existing avionics and the procurement of new systems. The GATM program includes the Alt Comms and Multi-Mode Aviation Radio Set programs, the Common Transponder (CXP) Programs, the Embedded GPS Inertial (EGI) Navigation Systems, and aircraft Flight Management Systems. These systems will provide Army aircraft with improved capabilities to allow them to continue to operate in civil controlled airspace as well as to operate in European controlled airspace. Funding for the EGI Navigation Systems transitioned to the Aviation Assured PNT line, Line-Item Number 8662A01006, in FY21.  FY24 is the last year the APX-123A will be produced by industry and requires a buyout of transponders to support the UH-60M production line.  FY25 and FY26 completes the deliveries and anti-tempering modification for production line and fielding units. Costs include Remote Control Unit (RCU) software updates to meet International Air Traffic Control Radar Beacon System/IFF, Mark XII/ Mark XIIA, Systems (AIMS) 17-1000 compliance, contract close-out activity, finalizing transition to sustainment, and product line shut-down costs.  Prior years procured multiple configurations of a common transponder system, including the APX-118 and APX-123. Current generation transponder system's AAO of 3,985 includes both APX-123A and upgrade kits for previous transponder systems													
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028			
Army	Quantity	-	-	-	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	9.227	8.076	4.932	-	4.932	2.741	2.765	-	-	-	-	-
ANG	Quantity	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 8859AA0711 / GATM Rollup				Modification Number / Title: AA0704 / GATM - Rotary Wing Aircraft			
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:					
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AR	Total Obligation Authority	6.710	5.873	3.548	-	3.548	1.969	1.984	-	-
	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.839	0.734	0.444	-	0.444	0.246	0.248	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	16.776	14.683	8.924	-	8.924	4.956	4.997	-	-

## UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army								Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 8859AA0711 / GATM Rollup				Modification Number / Title: AA0704 / GATM - Rotary Wing Aircraft					
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: UH&HH60A/L, CH47D/ F, UH60M, MH47G, MH60M, A/MH6, AH64A/D/E, UAS				Modification Type: New or Improved Operational Capability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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 6: Global Air Traffic Mgmt RW APX-123													
A Kits													
Recurring													
Kit Quantity - APX-123 A-Kits	680 / 2.531	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	680 / 2.531	
Aircraft Integ/RCUs/KIV77	- / 16.933	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.933	
ECP	- / 6.785	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.785	
Shared Services	- / 21.245	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.245	
Other PM Admin	- / 8.437	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.437	
Subtotal: Recurring	680 / 55.931	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	680 / 55.931	
B Kits													
Recurring													
APX-123 B Kit Conversion Kit (MWO)	1,507 / 10.455	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,507 / 10.455	
APX-123A B-Kit Production Line	822 / 30.533	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	822 / 30.533	
APX-123 B-Kit Conversion Kit Prod Line	113 / 1.144	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	113 / 1.144	
APX-123 B-Kits Production Line	185 / 6.878	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	185 / 6.878	
APX-123 B-Kit (MWO)	60 / 2.231	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 2.231	
Fielding/Training	- / 21.002	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.002	
Subtotal: Recurring	2,687 / 72.243	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,687 / 72.243	
Non-Recurring													
B Kit	- / 23.696	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.696	
Subtotal: Non-Recurring	- / 23.696	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.696	
Subtotal: Global Air Traffic Mgmt RW APX-123	3,367 / 151.870	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3,367 / 151.870	
Modification Item 2 of 6: Global Air Traffic Mgmt RW APX-118 Upgrade Kits													
A Kits													
Recurring													
Kit Qty- Upgrade A-Kits	972 / 4.076	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	972 / 4.076	
Engineering Change Orders	- / 1.123	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.123	
Shared Services	- / 9.205	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.205	
Subtotal: Recurring	972 / 14.404	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	972 / 14.404	



## UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army									Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 8859AA0711 / GATM Rollup					Modification Number / Title: AA0704 / GATM - Rotary Wing Aircraft				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: UH&HH60A/L, CH47D/ F, UH60M, MH47G, MH60M, A/MH6, AH64A/D/E, UAS				Modification Type: New or Improved Operational Capability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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													
APX-123 Upgrade Kit (MWO)	2,375 / 26.666	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,375 / 26.666	
Subtotal: Recurring	2,375 / 26.666	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,375 / 26.666	
Non-Recurring													
B-Kits Nonrecurring	- / 3.520	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.520	
Subtotal: Non-Recurring	- / 3.520	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.520	
Subtotal: Global Air Traffic Mgmt RW APX-118 Upgrade Kits	3,347 / 44.590	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3,347 / 44.590	
Modification Item 3 of 6: Global Air Traffic Mgmt RW ADS-B													
A Kits													
Recurring													
Kit Qty: ADS-B A-Kits (Installed w/box)	828 / 3.513	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	828 / 3.513	
Engineering Change Orders	- / 4.079	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.079	
Data	- / 3.462	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.462	
Training Equipment	- / 3.885	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.885	
Fielding	- / 0.845	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.845	
Shared Services	- / 7.887	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.887	
System Test & Eval (ST&E)	- / 1.167	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.167	
Other- PM Admin	- / 6.245	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.245	
Subtotal: Recurring	828 / 31.083	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	828 / 31.083	
Non-Recurring													
Non-Recurring Engineering	- / 35.236	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 35.236	
Subtotal: Non-Recurring	- / 35.236	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 35.236	
Subtotal: Global Air Traffic Mgmt RW ADS-B	828 / 66.319	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	828 / 66.319	
Modification Item 4 of 6: Embedded GPS Inertial (EGI) Navigation System ECP													
A Kits													
Recurring													
Training/Data/Support Equipment	- / 2.070	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.070	
Shared Services	- / 11.485	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.485	

## UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army									Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10				P-1 Line Item Number / Title: 8859AA0711 / GATM Rollup					Modification Number / Title: AA0704 / GATM - Rotary Wing Aircraft				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: UH&HH60A/L, CH47D/ F, UH60M, MH47G, MH60M, A/MH6, AH64A/D/E, UAS				Modification Type: New or Improved Operational Capability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	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)	
Fielding	- / 1.120	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.120	
Subtotal: Recurring	- / 14.675	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.675	
B Kits													
Recurring													
EGI+ Shipsets	86 / 13.129	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	86 / 13.129	
EGI EAGLE-M Shipsets MWO	35 / 5.099	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 5.099	
EGI EAGLE SOA Retrofit Kit Shipsets GFE	95 / 5.751	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	95 / 5.751	
EGI EAGLE SOA/429 Shipsets GFE	173 / 29.492	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	173 / 29.492	
Subtotal: Recurring	389 / 53.471	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	389 / 53.471	
Non-Recurring													
Systems Testing and Evaluation	- / 4.782	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.782	
Aircraft Integration	- / 42.467	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 42.467	
Subtotal: Non-Recurring	- / 47.249	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 47.249	
Subtotal: Embedded GPS Inertial (EGI) Navigation System ECP	389 / 115.395	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	389 / 115.395	
Modification Item 5 of 6: Common Transponder (CXP)													
A Kits													
Recurring													
ADS-B A-Kit (Wire Harness)	- / 1.938	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.938	
System Test and Evaluation	- / 2.463	- / 0.922	- / 0.759	- / 0.632	- / -	- / 0.632	- / 0.645	- / 0.645	- / -	- / -	- / -	- / 6.066	
Shared Services	- / 12.084	- / 0.602	- / 0.891	- / 1.323	- / -	- / 1.323	- / 1.270	- / 1.315	- / -	- / -	- / -	- / 17.485	
Fielding/Training	- / 4.885	- / 2.854	- / 1.974	- / 2.888	- / -	- / 2.888	- / 3.026	- / 3.021	- / -	- / -	- / -	- / 18.648	
Ancillary Procurements	- / 0.052	- / 0.018	- / 0.015	- / 0.016	- / -	- / 0.016	- / 0.015	- / 0.016	- / -	- / -	- / -	- / 0.132	
Subtotal: Recurring	- / 21.422	- / 4.396	- / 3.639	- / 4.859	- / -	- / 4.859	- / 4.956	- / 4.997	- / -	- / -	- / -	- / 44.269	
B Kits													
Recurring													
APX-123A B-Kit Spares	74 / 3.316	20 / 1.149	25 / 1.449	6 / 0.429	- / -	6 / 0.429	- / -	- / -	- / -	- / -	- / -	125 / 6.343	
APX-123 B-Kit Conversion Kit - MWO	391 / 4.160	219 / 2.894	1 / 0.045	1 / 0.057	- / -	1 / 0.057	- / -	- / -	- / -	- / -	- / -	612 / 7.156	
APX-123A B-Kit Production Line/GFE	318 / 13.568	101 / 5.802	114 / 6.606	50 / 3.579	- / -	50 / 3.579	- / -	- / -	- / -	- / -	- / -	583 / 29.555	
Subtotal: Recurring	783 / 21.044	340 / 9.845	140 / 8.100	57 / 4.065	- / -	57 / 4.065	- / -	- / -	- / -	- / -	- / -	1,320 / 43.054	
Non-Recurring													
ADS-B Out Non-Recurring Integration	- / 4.202	- / 1.430	- / 1.989	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.621	

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army										<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10				<b>P-1 Line Item Number / Title:</b> 8859AA0711 / GATM Rollup						<b>Modification Number / Title:</b> AA0704 / GATM - Rotary Wing Aircraft			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :								<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> UH&HH60A/L, CH47D/F, UH60M, MH47G, MH60M, A/MH6, AH64A/D/E, UAS				<b>Modification Type:</b> New or Improved Operational Capability				<b>Related RDT&amp;E PEs:</b>					
<b>Financial Plan</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</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)	
<i>Subtotal: Non-Recurring</i>	- / 4.202	- / 1.430	- / 1.989	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.621	
<i>Subtotal: Common Transponder (CXP)</i>	783 / 46.668	340 / 15.671	140 / 13.728	57 / 8.924	- / -	57 / 8.924	- / 4.956	- / 4.997	- / -	- / -	- / -	1,320 / 94.944	
<b>Modification Item 6 of 6:</b> Legacy GATM-RW Mods													
A Kits													
Non-Recurring													
Legacy GATM-RW Mods	- / 331.547	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 331.547	
<i>Subtotal: Non-Recurring</i>	- / 331.547	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 331.547	
<i>Subtotal: Legacy GATM-RW Mods</i>	- / 331.547	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 331.547	
<i>Subtotal: Procurement, All Modification Items</i>	8,714 / 756.389	340 / 15.671	140 / 13.728	57 / 8.924	- / -	57 / 8.924	- / 4.956	- / 4.997	- / -	- / -	- / -	9,251 / 804.665	
<b>Installation</b>													
<b>Modification Item 1 of 6:</b> Global Air Traffic Mgmt RW APX-123	1,408 / 4.363	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,408 / 4.363	
<b>Modification Item 2 of 6:</b> Global Air Traffic Mgmt RW APX-118 Upgrade Kits	2,375 / 10.353	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,375 / 10.353	
<b>Modification Item 4 of 6:</b> Embedded GPS Inertial (EGI) Navigation System ECP	35 / 0.063	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 0.063	
<b>Modification Item 5 of 6:</b> Common Transponder (CXP)	401 / 6.312	118 / 1.105	100 / 0.955	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	619 / 8.372	
<i>Subtotal: Installation</i>	4,219 / 21.091	118 / 1.105	100 / 0.955	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4,437 / 23.151	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	<b>777.480</b>	<b>16.776</b>	<b>14.683</b>	<b>8.924</b>	<b>-</b>	<b>8.924</b>	<b>4.956</b>	<b>4.997</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>827.816</b>	

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Army										<b>Date:</b> March 2023																					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 02 / 10					<b>P-1 Line Item Number / Title:</b> 8859AA0711 / GATM Rollup										<b>Modification Number / Title:</b> AA0704 / GATM - Rotary Wing Aircraft																
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>																					
<b>Modification Item 1 of 6:</b> Global Air Traffic Mgmt RW APX-123																															
<b>Manufacturer Information</b>																															
Manufacturer Name: BAE Systems, Incorporated										Manufacturer Location: Greenlawn, NY																					
Administrative Leadtime (in Months):										Production Leadtime (in Months):																					
<b>Dates</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</b>						
Contract Dates																															
Delivery Dates																															
<b>Installation Information</b>																															
<b>Method of Implementation:</b> Modification Work Order (MWO) - Contractor																															
<b>Installation Cost</b>		<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</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		1,408 / 4.363	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,408 / 4.363																		
FY 2022		0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2023		0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2024		0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2025		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2026		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2027		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2028		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		1,408 / 4.363	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,408 / 4.363																		
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</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	1,507	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,507
Out	1,482	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,507

## UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army											Date: March 2023																				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10										P-1 Line Item Number / Title: 8859AA0711 / GATM Rollup										Modification Number / Title: AA0704 / GATM - Rotary Wing Aircraft											
ID Code (A=Service Ready, B=Not Service Ready) :															MDAP/MAIS Code:																
Modification Item 2 of 6: Global Air Traffic Mgmt RW APX-118 Upgrade Kits																															
Manufacturer Information																															
Manufacturer Name: BAE Systems, Incorporated															Manufacturer Location: Greenlawn, NY																
Administrative Leadtime (in Months):															Production Leadtime (in Months):																
Dates		FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Modification Work Order (MWO) - Contractor																															
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		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)	Qty (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		2,375 / 10.353	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,375 / 10.353						
FY 2022		0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -						
FY 2023		0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -						
FY 2024		0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -						
FY 2025		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -						
FY 2026		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -						
FY 2027		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -						
FY 2028		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -						
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -						
Total		2,375 / 10.353	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,375 / 10.353						
Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	2,375	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,375
Out	2,375	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,375

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10			P-1 Line Item Number / Title: 8859AA0711 / GATM Rollup			Modification Number / Title: AA0704 / GATM - Rotary Wing Aircraft	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 3 of 6: Global Air Traffic Mgmt RW ADS-B							
Manufacturer Information							
Manufacturer Name: SSAI				Manufacturer Location: Huntsville, AL			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Modification Work Order (MWO) - Contractor					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Army										Date: March 2023																					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10					P-1 Line Item Number / Title: 8859AA0711 / GATM Rollup										Modification Number / Title: AA0704 / GATM - Rotary Wing Aircraft																
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:																					
Modification Item 4 of 6: Embedded GPS Inertial (EGI) Navigation System ECP																															
Manufacturer Information																															
Manufacturer Name: Honeywell, Incorporated										Manufacturer Location: Clearwater, FL																					
Administrative Leadtime (in Months): 2										Production Leadtime (in Months): 12																					
Dates		FY 2022			FY 2023			FY 2024			FY 2025			FY 2026			FY 2027			FY 2028											
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Modification Work Order (MWO)																															
Installation Cost		Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total		FY 2025		FY 2026		FY 2027		FY 2028		To Complete	Total									
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)									
Prior Years		35 / 0.063	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -	35 / 0.063									
FY 2022		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -	- / -									
FY 2023		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -	- / -									
FY 2024		0 / 0.000	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -	- / -									
FY 2025		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -	- / -									
FY 2026		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -	- / -									
FY 2027		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -	- / -									
FY 2028		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -	- / -									
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -	- / -									
Total		35 / 0.063	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -	35 / 0.063									
Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

**UNCLASSIFIED**

LI 8859AA0711 - GATM Rollup  
Army



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Exhibit P-3a, Individual Modification: PB 2024 Army					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 02 / 10		P-1 Line Item Number / Title: 8859AA0711 / GATM Rollup			Modification Number / Title: AA0704 / GATM - Rotary Wing Aircraft		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 6 of 6: Legacy GATM-RW Mods							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): N/A					Installation Quantity: 0		

## UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft							<b>P-1 Line Item Number / Title:</b> 9555A00018 / RQ-7 UAV MODS					
<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> 0305204A, 0305233A				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	2,317.606	6.000	-	-	-	-	-	-	-	-	-	2,323.606
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	2,317.606	6.000	-	-	-	-	-	-	-	-	-	2,323.606
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>2,317.606</b>	<b>6.000</b>	-	-	-	-	-	-	-	-	-	<b>2,323.606</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Tactical Unmanned Aircraft System (TUAS) provides Army Brigade Combat Teams, Aviation Brigades, and Special Operation Groups situational awareness, improved wide-area target acquisition, Laser Designation, and high value target (HVT) tracking to conduct both shaping and decisive operations with greatly increased lethality. The TUAS meets the need for a day/night, multi sensor collection system with improved connectivity to joint forces that provides real time battle information that cannot be observed from standoff airborne sensor systems, ground collection systems, and scouts. The key performance parameters are blocked into RQ-7B (production) thresholds and subsequent upgrade objectives. The RQ-7B system is a Reconnaissance Surveillance Target Acquisition (RSTA), Command, Control, Communications, and Intelligence (C3I) system that supports Brigade, Battalion, and lower level elements. The RQ-7B Shadow has logged approximately 1,308,000 flight hours, most of which were flown in support of Overseas Contingency Operations (OCO).

The TUAS RQ-7B completed production of 104 Army systems in 2011 (FY 2009 Funding) and entered a modifications phase. These modifications primarily include RQ-7B v2, System Modifications, the RQ-7B v2 Block III System Modification and the improved Electro Optical / Infrared / Laser Designator (EO/IR/LD) payload.

The RQ-7B v2 or Shadow v2 effort incorporates Type 1 Encryption, STANAG 4586 Compliant Software, a Universal Ground Control Station (UGCS), a Universal Ground Data Terminal (UGDT), a STANAG 4586 compliant Portable Ground Control Station, and standardizes modifications introduced during the wars in Iraq and Afghanistan. The last Shadow v2 delivery occurred on 30 September 2020.

The RQ-7B v2 Block III System Modification includes Weatherization, Small Mission (SMC) Computer A-kit, Electro Optical / Infrared / Laser Designator (EO/IR/LD) Universal Interface Assembly, Block III Engine, Communications Relay Installation Kit, and Voice over Internet Protocol (VoIP). Weatherization modifications allow the AV to fly in low visibility conditions and in up to two inches of rain per hour. The SMC is an onboard computer that provides airborne processing power. The SMC addresses obsolescence concerns, features a dual processor, and provides 50x more processing power than the current computer. The EO/ IR/LD Universal Interface Assembly eliminates reliance on a proprietary payload interface, introducing the capability to support payloads from multiple vendors. The Block III engine improves reliability over the current engine, increases thrust and reduces the noise signature of the Shadow system. The Communication Relay upgrade enables voice communications to additional users who utilize other waveforms in the VHF and UHF bands. The VoIP upgrade extends voice communications range from 85 km to 125 km, and provides a more reliable means of voice communications. The overall performance enhancements increase the Shadow's mission capability and survivability.

The Improved EO/IR/LD payload features a modular design that includes enhanced high-resolution HD imagery, improved geo-location precision and an extended long-range target designation capability.

On 16 Nov 17, the Army Acquisition Executive (AAE) approved an increase to the Shadow Army Acquisition Objective (AAO) from 104 to 115 Shadow systems which provides additional capability in the Combat Aviation Brigades (CABs).

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army							<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft					<b>P-1 Line Item Number / Title:</b> 9555A00018 / RQ-7 UAV MODS					
<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> 0305204A, 0305233A				
<b>Line Item MDAP/MAIS Code:</b> N/A										
Changed the P-Form Modification structure to comply with MIL-STD-881C, align with the R-Forms, and align with ACAT-I reporting requirements. The OSRVT Modification moved to Modification Line A00121 in 2017.										
.										
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	6.000	-	-	-	-	-	-	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>6.000</b>	-	-	-	-	-	-	-	-

**Justification:**  
FY2023 and beyond Funding for RQ-7 UAV MODS is zero (\$0).

In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

FY2022 RQ-7 UAV Congressional Plus-Up Procurement Funding of \$6M procures the following:  
99 Mode V Micro-IFF Installation Kits - \$4.9M  
MAGNA-I Antenna Integration and Testing - \$1.1M

## UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification of Aircraft						<b>P-1 Line Item Number / Title:</b> 9556A01002 / UAS MODS						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B			<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	819	300	-	14	-	14	14	-	-	-	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	89.303	3.840	-	2.258	-	2.258	2.260	-	-	-	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	89.303	3.840	-	2.258	-	2.258	2.260	-	-	-	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>89.303</b>	<b>3.840</b>	<b>-</b>	<b>2.258</b>	<b>-</b>	<b>2.258</b>	<b>2.260</b>	<b>-</b>	<b>-</b>	<b>-</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b>												
<p>The One System Remote Video Terminal (OSRVT) systems require an update to an Increment II OSRVT. The OSRVT Increment II Upgrade Program of Record (POR) began in FY 2012. The OSRVT Increment II consists of a base system with Remote Operations Video Enhanced Receiver (ROVER) 6 transceiver, tablet computer, Antennas, Type I encryption, Ku-Directional Antennas (KuDA) with an On-The-Move (OTM) capable variant, and an extended range Mobile Directional Antennas System (MDAS). Beginning in FY22, the ROVER 6 will be upgraded to a 6S variant to meet new spectrum requirements and the system will also include a Soldier Portable OsrvT (SPOT) for dismounted users consisting of a wearable tablet computer and a Tactical Net ROVER 2 Encrypted (TNR 2E) transceiver. Software supports decoding Telemetry Data from multiple Manned/Unmanned Aircraft Systems, provides Electro-Optical (EO)/Infrared (IR) payload control, and supports off-target calculations. OSRVT supports current operations as well as FUAS requirements. The OSRVT MODS APE A000121000, began in FY 2017. Prior to FY2017, OSRVT Procurement funds were provided via the SHADOW MODS APE A00018000.</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	300	-	14	-	14	14	-	-	-		
	Total Obligation Authority	3.840	-	2.258	-	2.258	2.260	-	-	-		
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>300</b>	<b>-</b>	<b>14</b>	<b>-</b>	<b>14</b>	<b>14</b>	<b>-</b>	<b>-</b>	<b>-</b>		
	<b>Total Obligation Authority</b>	<b>3.840</b>	<b>-</b>	<b>2.258</b>	<b>-</b>	<b>2.258</b>	<b>2.260</b>	<b>-</b>	<b>-</b>	<b>-</b>		
<b>Justification:</b>												
<p>FY2024 and FY2025 Base funding provides for equipping new Multi-Domain Expeditionary Battalions with the newly upgraded ROVER 6S OSRVT systems. The ROVER 6S upgrade meets new spectrum requirements in order to maintain interoperability with Small UAS and the SPOT is a wearable variant for dismounted users consisting of a wearable tablet computer and a TNR 2E transceiver.</p>												
<p>In accordance with 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.</p>												

## UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics							<b>P-1 Line Item Number / Title:</b> 3632AZ3504 / Aircraft Survivability Equipment					
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	893.577	62.961	167.927	161.731	-	161.731	142.600	135.981	136.236	107.112	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	11.565	-	-	-	-	-	-	-	-	-	-	11.565
Net Procurement (P-1) ( <i>\$ in Millions</i> )	882.012	62.961	167.927	161.731	-	161.731	142.600	135.981	136.236	107.112	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	11.565	-	-	-	-	-	-	-	-	-	-	11.565
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>893.577</b>	<b>62.961</b>	<b>167.927</b>	<b>161.731</b>	<b>-</b>	<b>161.731</b>	<b>142.600</b>	<b>135.981</b>	<b>136.236</b>	<b>107.112</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**  
 This funding line is a key enabler of the Army Modernization Priorities in support of Future Vertical Lift (FVL) Future Attack Reconnaissance Aircraft (FARA) and Future Long-Range Assault Aircraft (FLRAA) platforms.

The Aircraft Survivability Equipment (ASE) budget line includes ASE Laser Countermeasures (AZ3508) and ASE Radio Frequency Countermeasures (AZ3511).

AZ3508 ASE Laser CM

Army Procurement Objective (APO) = 1,988 (APO based on B-Kits)  
 APO Ref: Approval of the Army Acquisition Objective /Army Procurement Objective Change Request Decision 25 Apr 2022

The AN/AVR-2B Laser Detecting Set (LDS) installed on Army rotary-wing aircraft passively detects laser-aided weapons targeting the aircraft and alerts aircrews, allowing them to engage the threat or maneuver to break the targeting. The system detects aircraft illumination by laser rangefinders, laser target designators, and laser beam rider surface-to-air missiles. The system provides the aircrew visual and aural warnings prioritized by threat lethality using 360 degree azimuth and 90 degree elevation field of view coverage. AN/AVR-2B is part of the suite of ASE mission equipment for FVL platforms.

AZ3511 Radio Frequency CM

APO D(V)2 = 120 (APO based on B-Kits)  
 APO E(V)2 = 1,988 (APO based on B-Kits)  
 APO Ref: Approval of the Army Acquisition Objective /Army Procurement Objective Change Request Decision 25 Apr 2022

The objective of ASE Development project is to improve Radio Frequency (RF) ASE for Army aviation. The APR-39 Radar Warning Receiver (RWR) detects, categorizes, and prioritizes RF emitters and provides a visual / aural alert to aircrew members warning them of targeting by RF-guided weapons. The Milestone Decision Authority (MDA) approved Phases 1 and 2 of a 3-phased path forward.

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics					P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Phase 1, APR-39C(V)1/4, serves as an obsolescence / sustainment upgrade to the Processor Line Replaceable Unit (LRU) of APR-39A(V) RWR implemented to ensure that the currently fielded system remains viable until affordable improved RF ASE capability can be pursued in Phases 2 and 3.										
Phase 2A, RWR Modernization begins by adopting the United States Navy APR-39D(V)2 system. APR-39D(V)2 will significantly improve the RF threat coverage, automatic detection and identification of threat types, bearing and lethality. Phase 2B, the APR-39E(V)2 Modernized Radar Warning Receiver (MRWR), is an Army Engineering Change Proposal (ECP) to APR-39D(V)2, approved in the Acquisition Decision Memorandum (ADM) signed June 24, 2019. This ECP will implement enhanced hardware and software upgrades to keep APR-39 technically relevant against new and emerging agile threats. APR-39E(V)2 is part of the suite of ASE mission equipment for the FVL platforms										
Phase 3 adds active Radio Frequency Electronic Countermeasures (RF-ECM) capability for selected aircraft with Material Development Decision (MDD) planned in the future.										
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	62.961	167.927	161.731	-	161.731	142.600	135.981	136.236	107.112
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	62.961	167.927	161.731	-	161.731	142.600	135.981	136.236	107.112

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army								Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics					P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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	AZ3508 / ASE Laser CM	P-5a, P-21			- / 456.126	- / 8.120	- / 9.044	- / 15.715	- / -	- / 15.715
P-5	AZ3511 / Radio Frequency CM	P-5a, P-21			- / 437.451	- / 54.841	- / 158.883	- / 146.016	- / -	- / 146.016
P-40	Total Gross/Weapon System Cost				- / 893.577	- / 62.961	- / 167.927	- / 161.731	- / -	- / 161.731
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
<p><b>Justification:</b></p> <p>AZ3508 ASE Laser CM: FY 2024 Base Procurement dollars in the amount of \$15.715 million funds training, technical support, government management, procurement of A-Kits (83) and installation of (40) CH-47F A-Kits on Rotary Wing aircraft in support of required operational capabilities and integration of AN/AVR-2B LDS with other ASE systems.</p> <p>AZ3511 Radio Frequency CM: FY 2024 Base Procurement dollars in the amount of \$146.02 million funds procuring (12) APR-39D(V)2 A-Kit Installs to support third unit equipped, (48) APR-39E(V)2 A Kits, (48) APR-39E(V)2 B-Kits, spares, systems engineering support, mission data set (MDS), training, fielding, and government management.</p> <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p>										

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Exhibit P-5, Cost Analysis: PB 2024 Army													Date: March 2023								
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10							P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment						Item Number / Title [DODIC]: AZ3508 / ASE Laser CM								
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
Procurement Quantity <i>(Units in Each)</i>				-			-			-			-			-			-		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				456.126			8.120			9.044			15.715			-			15.715		
Less PY Advance Procurement <i>(\$ in Millions)</i>				11.565			-			-			-			-			-		
Net Procurement (P-1) <i>(\$ in Millions)</i>				444.561			8.120			9.044			15.715			-			15.715		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				11.565			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>				456.126			8.120			9.044			15.715			-			15.715		
(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 Thousands)</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 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total					
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)			
Flyaway Cost																					
Recurring Cost																					
Non Recurring Engineering (A-Kit)	-	-	13.688	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
A-Kit Procurement <sup>(†)</sup>	42.382	1,113	47.171	-	-	-	97.667	30	2.930	82.289	83	6.830	-	-	-	82.289	83	6.830			
A-Kit Installation UH-60L	74.568	760	56.672	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
A-Kit filters	-	-	18.529	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
B-Kit Procurement	146.928	1,332	195.708	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Systems Engineering	-	-	20.280	-	-	0.302	-	-	0.310	-	-	0.415	-	-	-	-	-	0.415			
Program Management	-	-	17.597	-	-	0.386	-	-	0.550	-	-	0.615	-	-	-	-	-	0.615			
Prime Contractor Prgm Mgt / Engr Spt	-	-	6.660	-	-	0.568	-	-	0.594	-	-	0.532	-	-	-	-	-	0.532			
Software	-	-	9.936	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineering Changes	-	-	0.638	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Systems Test and Evaluation	-	-	29.387	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Training / Logistics	-	-	23.795	-	-	1.673	-	-	1.353	-	-	1.902	-	-	-	-	-	1.902			
Depot / Field Support	-	-	6.938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Fielding	-	-	2.900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Other Procurement	-	-	0.218	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
A-Kit Installation CH-47F	99.375	48	4.770	94.400	40	3.776	82.675	40	3.307	98.200	40	3.928	-	-	-	98.200	40	3.928			



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Exhibit P-5, Cost Analysis: PB 2024 Army										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10					P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment					Item Number / Title [DODIC]: AZ3508 / ASE Laser CM			

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

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Tech Support	-	-	1.239	-	-	0.740	-	-	-	-	-	1.493	-	-	-	-	-	1.493
Data- Threat Analysis	-	-	-	-	-	0.675	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	456.126	-	-	8.120	-	-	9.044	-	-	15.715	-	-	-	-	-	15.715
Subtotal: Flyaway Cost	-	-	456.126	-	-	8.120	-	-	9.044	-	-	15.715	-	-	-	-	-	15.715
Gross/Weapon System Cost	-	-	456.126	-	-	8.120	-	-	9.044	-	-	15.715	-	-	-	-	-	15.715

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	8.120	9.044	15.715	-	15.715
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	8.120	9.044	15.715	-	15.715

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2024 Army									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10				P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment					Item Number / Title [DODIC]: AZ3508 / ASE Laser CM			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
A-Kit Procurement <sup>(†)</sup>		2017	Prototype Integration Facility / Redstone Arsenal, AL	C / CPFF	ACC, Redstone Arsenal, AL	Mar 2017	Dec 2017	125	43.980	N		
A-Kit Procurement <sup>(†)</sup>		2023	Prototype Integration Facility / Redstone Arsenal, AL	C / CPFF	Redstone Arsenal, AL	May 2023	Aug 2024	30	97.667	N		
A-Kit Procurement <sup>(†)</sup>		2024	Prototype Integration Facility / Redstone Arsenal, AL	C / CPFF	Redstone Arsenal, AL	Sep 2024	Sep 2025	83	82.289	N		

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

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Exhibit P-21, Production Schedule: PB 2024 Army																							Date: March 2023										
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10										P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment													Item Number / Title [DODIC]: AZ3508 / ASE Laser CM										
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2017													Fiscal Year 2018													BALANCE
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017													Calendar Year 2018													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
A-Kit Procurement																																	
Prior Years Deliveries: 988																																	
	1	2017	ARMY	125	0	125				A	-	-	-	-	-	-	-	-	-	-	-	13	13	13	13	13	12	12	12	12	12	0	
	1	2023	ARMY	30	0	30																										30	
	1	2024	ARMY	83	0	83																										83	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2024 Army																				Date: March 2023																	
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10										P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment															Item Number / Title [DODIC]: AZ3508 / ASE Laser CM												
Cost Elements (Units in Each)							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							
A-Kit Procurement																																					
Prior Years Deliveries: 988																																					
	1	2017	ARMY	125	125	0																										0					
	1	2023	ARMY	30	0	30																										30					
	1	2024	ARMY	83	0	83																										83					
							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 2024 Army																			Date: March 2023																		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10										P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment															Item Number / Title [DODIC]: AZ3508 / ASE Laser CM												
Cost Elements (Units in Each)							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							
A-Kit Procurement																																					
Prior Years Deliveries: 988																																					
	1	2017	ARMY	125	125	0																										0					
	1	2023	ARMY	30	0	30																										30					
	1	2024	ARMY	83	0	83																										83					
							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 2024 Army																			Date: March 2023																
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10							P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment												Item Number / Title [DODIC]: AZ3508 / ASE Laser CM																
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2023												Fiscal Year 2024												BALANCE				
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
A-Kit Procurement																																			
Prior Years Deliveries: 988																																			
	1	2017	ARMY	125	125	0																										0			
	1	2023	ARMY	30	0	30											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	20
	1	2024	ARMY	83	0	83																										A -	83		
							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 2024 Army																				Date: March 2023																
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10										P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment										Item Number / Title [DODIC]: AZ3508 / ASE Laser CM																
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2025										Fiscal Year 2026										BALANCE									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025										Calendar Year 2026																			
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP					
A-Kit Procurement																																				
Prior Years Deliveries: 988																																				
	1	2017	ARMY	125	125	0																										0				
	1	2023	ARMY	30	10	20	5	5	5	5																										0
	1	2024	ARMY	83	0	83	-	-	-	-	-	-	-	-	-	-	10	10	10	10	10	10	10	13						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 2024 Army									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10					P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment				Item Number / Title [DODIC]: AZ3508 / ASE Laser CM			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	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	Prototype Integration Facility - Redstone Arsenal, AL	12	240	600	0	0	0	0	0	0	0	0

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

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



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Exhibit P-5, Cost Analysis: PB 2024 Army													Date: March 2023								
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10							P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment						Item Number / Title [DODIC]: AZ3511 / Radio Frequency CM								
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:												
Resource Summary				Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
Procurement Quantity <i>(Units in Each)</i>				-			-			-			-			-			-		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				437.451			54.841			158.883			146.016			-			146.016		
Less PY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Net Procurement (P-1) <i>(\$ in Millions)</i>				437.451			54.841			158.883			146.016			-			146.016		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>				437.451			54.841			158.883			146.016			-			146.016		
(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 Thousands)</i>				-			-			3,310.063			3,042.000			-			3,042.000		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total					
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)			
Flyaway Cost																					
Non Recurring Cost																					
A-Kit NRE	-	-	128.890	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ATR-Reprogramming	-	-	10.841	-	-	31.500	-	-	-	-	-	-	-	-	-	-	-	-			
Subtotal: Non Recurring Cost	-	-	139.731	-	-	31.500	-	-	-	-	-	-	-	-	-	-	-	-			
Subtotal: Flyaway Cost	-	-	139.731	-	-	31.500	-	-	-	-	-	-	-	-	-	-	-	-			
Hardware Cost																					
Recurring Cost																					
A-Kit Procurement <sup>(†)</sup>	120.098	82	9.848	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
A-Kit Installs	232.600	25	5.815	269.000	12	3.228	233.333	12	2.800	250.000	12	3.000	-	-	-	250.000	12	3.000			
B-Kit Procurement <sup>(†)</sup>	438.966	89	39.068	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Replacement Flight Line Test Sets	-	-	9.169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Retrofit	-	-	3.221	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
B-Kit Spares	-	-	4.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
D(V)2 Integration Assets	889.450	20	17.789	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
A-Kit Procurement EV2	-	-	-	-	-	-	-	-	-	145.813	48	6.999	-	-	-	145.813	48	6.999			
B-Kit Procurement EV2 <sup>(†)</sup>	-	-	-	-	-	-	1,720.000	48	82.560	1,863.479	48	89.447	-	-	-	1,863.479	48	89.447			
B-Kit Spares EV2	-	-	-	-	-	-	-	-	16.628	-	-	8.891	-	-	-	-	-	8.891			

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Exhibit P-5, Cost Analysis: PB 2024 Army												Date: March 2023						
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10						P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment						Item Number / Title [DODIC]: AZ3511 / Radio Frequency CM						
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 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Subtotal: Recurring Cost	-	-	89.010	-	-	3.228	-	-	101.988	-	-	108.337	-	-	-	-	-	108.337
Non Recurring Cost																		
System Test and Evaluation	-	-	27.129	-	-	2.475	-	-	3.571	-	-	-	-	-	-	-	-	-
Other	-	-	24.548	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Technology Insertion/ Hardware parts	-	-	0.601	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Withhold	-	-	1.652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	53.930	-	-	2.475	-	-	3.571	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	142.940	-	-	5.703	-	-	105.559	-	-	108.337	-	-	-	-	-	108.337
Software Cost																		
Non Recurring Cost																		
Mission Data Set (MDS)	-	-	20.698	-	-	3.013	-	-	6.362	-	-	5.774	-	-	-	-	-	5.774
Other Software Sustainment	-	-	26.958	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Integration Lab (SIL) and RF Threat Generation	-	-	18.140	-	-	1.013	-	-	2.500	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	65.796	-	-	4.026	-	-	8.862	-	-	5.774	-	-	-	-	-	5.774
Subtotal: Software Cost	-	-	65.796	-	-	4.026	-	-	8.862	-	-	5.774	-	-	-	-	-	5.774
Logistics Cost																		
Recurring Cost																		
Training	-	-	1.227	-	-	-	-	-	1.388	-	-	3.714	-	-	-	-	-	3.714
Fielding	-	-	8.132	-	-	-	-	-	10.212	-	-	11.573	-	-	-	-	-	11.573
ICLS/ICS	-	-	8.691	-	-	1.700	-	-	4.897	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	18.050	-	-	1.700	-	-	16.497	-	-	15.287	-	-	-	-	-	15.287
Non Recurring Cost																		
Other	-	-	1.980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment	-	-	1.862	-	-	1.095	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	3.842	-	-	1.095	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Logistics Cost	-	-	21.892	-	-	2.795	-	-	16.497	-	-	15.287	-	-	-	-	-	15.287
Support - Program Management Cost																		
Contractor Management	-	-	17.514	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2024 Army														Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10							P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment							Item Number / Title [DODIC]: AZ3511 / Radio Frequency CM				
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 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Government Management	-	-	18.464	-	-	5.484	-	-	6.900	-	-	7.107	-	-	-	-	-	7.107
Subtotal: Support - Program Management Cost	-	-	35.978	-	-	5.484	-	-	6.900	-	-	7.107	-	-	-	-	-	7.107
Support - System Engineering Cost																		
System Engineering	-	-	31.114	-	-	5.333	-	-	21.065	-	-	9.511	-	-	-	-	-	9.511
Subtotal: Support - System Engineering Cost	-	-	31.114	-	-	5.333	-	-	21.065	-	-	9.511	-	-	-	-	-	9.511
Gross/Weapon System Cost	-	-	437.451	-	-	54.841	3,310.063	-	158.883	3,042.000	-	146.016	-	-	-	3,042.000	-	146.016
Secondary Distribution							FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total			
Army		Quantity					-		-		-		-		-			
		Total Obligation Authority					54.841		158.883		146.016		-		146.016			
Total: Secondary Distribution		Quantity					-		-		-		-		-			
		Total Obligation Authority					54.841		158.883		146.016		-		146.016			
(t) indicates the presence of a P-5a																		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Army									<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A / 04 / 10				<b>P-1 Line Item Number / Title:</b> 3632AZ3504 / Aircraft Survivability Equipment					<b>Item Number / Title [DODIC]:</b> AZ3511 / Radio Frequency CM			
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 (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
A-Kit Procurement		2017	Prototype Integration Facility / Redstone Arsenal, AL	C / CPFF	Redstone Arsenal, AL	Mar 2017	Mar 2019	82	93.790	N		
B-Kit Procurement		2016	Northrop Grumman / Rolling Meadows, IL	SS / FFP	Patuxent River, MD	Sep 2017	Mar 2019	16	974.750	N		
B-Kit Procurement		2017	Northrop Grumman / Rolling Meadows, IL	SS / FFP	Patuxent River, MD	Sep 2017	Sep 2019	38	974.920	N		
B-Kit Procurement		2018	Northrop Grumman / Rolling Meadows, IL	SS / FFP	Patuxent River, MD	Jan 2018	Dec 2019	29	728.379	N		
B-Kit Procurement		2019	Northrop Grumman / Rolling Meadows, IL	SS / FFP	Patuxent River, MD	Jan 2019	Jun 2020	6	933.833	N		
B-Kit Procurement EV2 <sup>(†)</sup>		2023	Northrop Grumman / Rolling Meadow, IL	SS / FFP	Aberdeen Proving Ground, MD	Mar 2023	Mar 2025	48	1,720.000	N		
B-Kit Procurement EV2 <sup>(†)</sup>		2024	Northrop Grumman / Rolling Meadow, IL	SS / FFP	Redstone Arsenal, AL	Jan 2024	Feb 2026	48	1,863.479	N		

(†) indicates the presence of a P-21

**Remarks:**

Fiscal Year (FY) 2016, 2017, 2018, and 2019 leverages Navy contract for APR-39D(V)2 B-Kit procurement

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Exhibit P-21, Production Schedule: PB 2024 Army																			Date: March 2023													
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10							P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment												Item Number / Title [DODIC]: AZ3511 / Radio Frequency CM													
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-Kit Procurement EV2																																
	1	2023	ARMY	48	0	48																										48
	1	2024	ARMY	48	0	48																										48
							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 2024 Army																			Date: March 2023													
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10							P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment												Item Number / Title [DODIC]: AZ3511 / Radio Frequency CM													
Cost Elements (Units in Each)							Fiscal Year 2019												Fiscal Year 2020												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019												Calendar Year 2020													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
B-Kit Procurement EV2																																
	1	2023	ARMY	48	0	48																										48
	1	2024	ARMY	48	0	48																										48
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

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Exhibit P-21, Production Schedule: PB 2024 Army																			Date: March 2023														
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10							P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment													Item Number / Title [DODIC]: AZ3511 / Radio Frequency CM													
Cost Elements (Units in Each)							Fiscal Year 2021													Fiscal Year 2022													BALANCE
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021													Calendar Year 2022													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
B-Kit Procurement EV2																																	
	1	2023	ARMY	48	0	48																									48		
	1	2024	ARMY	48	0	48																									48		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2024 Army																			Date: March 2023														
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10							P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment												Item Number / Title [DODIC]: AZ3511 / Radio Frequency CM														
Cost Elements (Units in Each)							Fiscal Year 2023												Fiscal Year 2024												BALANCE		
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024														
							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-Kit Procurement EV2																																	
	1	2023	ARMY	48	0	48	A -						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48			
	1	2024	ARMY	48	0	48													A -	-	-	-	-	-	-	-	-	-	-	-	-	-	48
							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 2024 Army																							Date: March 2023										
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10										P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment													Item Number / Title [DODIC]: AZ3511 / Radio Frequency CM										
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2025													Fiscal Year 2026													BALANCE
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025													Calendar Year 2026													
							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-Kit Procurement EV2																																	
	1	2023	ARMY	48	0	48	-	-	-	-	-	6	6	4	4	4	4	4	4	4	4	4								0			
	1	2024	ARMY	48	0	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	4	16			
							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 2024 Army																			Date: March 2023													
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10										P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment										Item Number / Title [DODIC]: AZ3511 / Radio Frequency CM												
Cost Elements (Units in Each)							Fiscal Year 2027										Fiscal Year 2028													BALANCE		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027										Calendar Year 2028															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P	
B-Kit Procurement EV2																																
	1	2023	ARMY	48	48	0																										0
	1	2024	ARMY	48	32	16	4	4	4	4																					0	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

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Exhibit P-21, Production Schedule: PB 2024 Army									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10					P-1 Line Item Number / Title: 3632AZ3504 / Aircraft Survivability Equipment				Item Number / Title [DODIC]: AZ3511 / Radio Frequency CM			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	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	Northrop Grumman - Rolling Meadow, IL	2	11	20	0	0	24	24	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 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics							<b>P-1 Line Item Number / Title:</b> 5044AZ3507 / Survivability CM					
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	3,509.587	5.104	0.884	6.526	-	6.526	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	3,509.587	5.104	0.884	6.526	-	6.526	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>3,509.587</b>	<b>5.104</b>	<b>0.884</b>	<b>6.526</b>	-	<b>6.526</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b>												
<p>The Advanced Threat Infrared Countermeasure (ATIRCM) is an infrared (IR) countermeasure system that interfaces with the Common Missile Warning System (CMWS) to provide near spherical protection of the host aircraft platform in order to defeat IR threat missiles. The operational concept of ATIRCM is as part of the Suite of Integrated Infrared Countermeasures (SIIRCM). The core components of the SIIRCM concept are: a Missile Warning System, expendable countermeasures (flares) and a laser based IR countermeasure (IRCM). The CMWS detects, declares, and initiates IRCM against IR-guided Surface-to-Air Missiles or Air-to-Air Missiles. ATIRCM takes a hand-off cue from CMWS and then takes immediate action as a laser based countermeasure against the incoming threat missile.</p> <p>The A-Kit for ATIRCM includes mounting hardware, wiring harnesses, and other components necessary to install and interface the mission kit on host aircraft. The ATIRCM B-Kit is the mission kit (laser, optical coupler, infrared jam head, and jam head control unit) required to achieve near spherical coverage for an aircraft.</p> <p>The ATIRCM program is a post-Milestone C, Acquisition Category 1C program of record fielded on CH-47F aircraft.</p> <p>The approved Army Acquisition Objective for ATIRCM is 340 A-Kits and 120 B-Kits.</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	5.104	0.884	6.526	-	6.526	-	-	-	-		
<b>Total:</b> <b>Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-		
	<b>Total Obligation Authority</b>	<b>5.104</b>	<b>0.884</b>	<b>6.526</b>	-	<b>6.526</b>	-	-	-	-		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army								Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics						P-1 Line Item Number / Title: 5044AZ3507 / Survivability CM				
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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	AZ3507 / Survivability CM	P-5a			- / 3,509.587	- / 5.104	- / 0.884	- / 6.526	- / -	- / 6.526
P-40	Total Gross/Weapon System Cost				- / 3,509.587	- / 5.104	- / 0.884	- / 6.526	- / -	- / 6.526
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
FY 2024 Base Procurement dollars in the amount of \$6.526 million supports Divestiture, Fielding, Cyber Security, Risk Management Framework, System Engineering Program Management, and logistics support across the CH-47F aircraft fleet.

The Contractor Logistics Support (CLS) contract expired in January 2022 transitioning fielding operations to the ATIRCM Product Office until all operational units are equipped with the replacement Common Infrared Countermeasures (CIRCM) System. Government Fielding operations includes logistics support, Transportation/Shipping, Repairs, and program integration and oversight.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic responses, and providing military support to civil authorities.

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Exhibit P-5, Cost Analysis: PB 2024 Army													Date: March 2023								
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10							P-1 Line Item Number / Title: 5044AZ3507 / Survivability CM						Item Number / Title [DODIC]: AZ3507 / Survivability CM								
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
Procurement Quantity <i>(Units in Each)</i>				-			-			-			-			-			-		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				3,509.587			5.104			0.884			6.526			-			6.526		
Less PY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Net Procurement (P-1) <i>(\$ in Millions)</i>				3,509.587			5.104			0.884			6.526			-			6.526		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>				3,509.587			5.104			0.884			6.526			-			6.526		
(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 Thousands)</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 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total					
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)			
Flyaway Cost																					
Recurring Cost																					
Non-Recurring Production	-	-	140.382	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
A-Kit Procurement	541.000	167	90.347	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
A-Kit/Pod Bay Door Installation <sup>(†)</sup>	148.424	290	43.043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
B-Kit Procurement	3,416.000	120	409.920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Pod Bay Door Procurement	15.030	167	2.510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineering Changes	-	-	10.772	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Program Management	-	-	57.449	-	-	0.480	-	-	0.884	-	-	1.866	-	-	-	-	-	1.866			
System Test & Evaluation	-	-	103.616	-	-	2.719	-	-	-	-	-	-	-	-	-	-	-	-			
Training	-	-	14.345	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Data	-	-	0.776	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Support Equipment	-	-	3.501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Fielding	-	-	129.918	-	-	-	-	-	-	-	-	1.972	-	-	-	-	-	1.972			
Legacy ATIRCM/CMWS Procurement	-	-	2,496.237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ATIRCM Divestiture	-	-	1.000	-	-	-	-	-	-	-	-	2.688	-	-	-	-	-	2.688			
Subtotal: Recurring Cost	-	-	3,503.816	-	-	3.199	-	-	0.884	-	-	6.526	-	-	-	-	-	6.526			
Subtotal: Flyaway Cost	-	-	3,503.816	-	-	3.199	-	-	0.884	-	-	6.526	-	-	-	-	-	6.526			

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Exhibit P-5, Cost Analysis: PB 2024 Army											Date: March 2023							
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10						P-1 Line Item Number / Title: 5044AZ3507 / Survivability CM						Item Number / Title [DODIC]: AZ3507 / Survivability CM						
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 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Software Cost																		
Recurring Cost																		
Software Support	-	-	5.771	-	-	1.905	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	5.771	-	-	1.905	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Software Cost	-	-	5.771	-	-	1.905	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	3,509.587	-	-	5.104	-	-	0.884	-	-	6.526	-	-	-	-	-	6.526
Secondary Distribution							FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total			
Army		Quantity					-		-		-		-		-			
		Total Obligation Authority					5.104		0.884		6.526		-		6.526			
Total: Secondary Distribution		Quantity					-		-		-		-		-			
		Total Obligation Authority					5.104		0.884		6.526		-		6.526			
(t) indicates the presence of a P-5a																		

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Exhibit P-5a, Procurement History and Planning: PB 2024 Army								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10				P-1 Line Item Number / Title: 5044AZ3507 / Survivability CM				Item Number / Title [DODIC]: AZ3507 / Survivability CM				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
A-Kit/Pod Bay Door Installation		2017	Aviation Field Maint Division / Redstone Arsenal, AL	MIPR	Redstone Arsenal, AL	Oct 2016	Oct 2016	43	36.000	N		
A-Kit/Pod Bay Door Installation		2018	Aviation Field Maint Division / Redstone Arsenal, AL	MIPR	Redstone Arsenal, AL	Oct 2017	Oct 2017	45	37.089	N		
A-Kit/Pod Bay Door Installation		2019	Aviation Field Maint Division / Redstone Arsenal, AL	MIPR	Redstone Arsenal, AL	Oct 2018	Oct 2018	36	35.122	N		
A-Kit/Pod Bay Door Installation		2020	Aviation Field Maint Division / Redstone Arsenal, AL	MIPR	Redstone Arsenal, AL	Oct 2019	Oct 2019	35	33.650	N		



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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics							<b>P-1 Line Item Number / Title:</b> 5397AZ3517 / CMWS					
<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> 0605051A				
<b>Line Item MDAP/MAIS Code:</b> 219												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	200	-	-	-	-	-	-	-	-	-	-	200
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,334.706	148.570	107.112	72.041	-	72.041	5.216	14.253	14.305	14.276	706.012	2,416.491
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,334.706	148.570	107.112	72.041	-	72.041	5.216	14.253	14.305	14.276	706.012	2,416.491
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1,334.706</b>	<b>148.570</b>	<b>107.112</b>	<b>72.041</b>	<b>-</b>	<b>72.041</b>	<b>5.216</b>	<b>14.253</b>	<b>14.305</b>	<b>14.276</b>	<b>706.012</b>	<b>2,416.491</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	6,673.530	-	-	-	-	-	-	-	-	-	-	12,082.455
<p><b>Description:</b> This funding line is a key enabler of the Army Modernization Priorities in support of the Aviation Survivability Equipment (ASE).</p> <p>Missile Warning (MW) Army Procurement Objective (APO) = 1,988 (B-Kits) On April 15, 2022 the AROC approved an APO increase for MW B-Kits to 1988. APO will be achieved through a future modernization effort.</p> <p>Common Missile Warning System (CMWS):</p> <p>APO = 1,351 (B-Kits)</p> <p>The CMWS program is a missile warning system that cues both flare and laser-based countermeasures to defeat incoming Infrared (IR)-seeking missiles and will alert aircrews to the presence of certain incoming munitions. The B-Kit consists of the components which perform the missile detection and aircrew notification, munitions detection and aircrew notification, false alarm rejection, and countermeasure employment/cueing functions of the system. The CMWS Electronic Control Unit (ECU) receives ultraviolet (UV) missile detection data from Electro-Optic Missile Sensors (EOMS), which detects UV signals, and sends a missile alert signal to warn aircrews via on-board avionics. Tier 1 threat missiles detected and tracked by the CMWS are subsequently defeated by a combination of missile seeker countermeasures, including decoy flares and IR Laser Jamming (currently Common Infrared Countermeasure (CIRCM) and Advanced Threat Infrared Countermeasures (ATIRCM)-equipped CH-47 platform only). In addition, the CMWS ECU receives from the EOMS munitions detection data which is also passed to the aircrew through aural and visual cues. The aircrew then applies the appropriate Tactics, Techniques and Procedures (TTPs) to break contact or engage the enemy with on-ship ordnance. The CMWS Generation 3 (Gen 3) ECU in conjunction with ongoing software development efforts will address outstanding materiel release conditions and ensure protection against emerging IR-guided missile threats. Due to evolving threats, CMWS will remain in the Army inventory beyond 2040 and must remain relevant against emerging threats.</p> <p>The CMWS A-Kit includes mounting hardware, wiring harnesses, cables, and other components necessary to install and interface the mission kit on host aircraft. The A-Kit ensures the mission kit is functionally and physically operational with a specific host aircraft type.</p> <p>Joint Urgent Operational Needs Statement (JUONS)/Common Infrared Countermeasure Quick Reaction Capability (CIRCM QRC):</p> <p>APO = 42 (B-Kits)</p>												

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army							<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics						<b>P-1 Line Item Number / Title:</b> 5397AZ3517 / CMWS				
<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> 0605051A				
<b>Line Item MDAP/MAIS Code:</b> 219										
<p>As a part of Phase 2a of the JUONS (SO-0010) program, the Army integrated the Department of the Navy Large Aircraft Infrared Countermeasure (DoN LAIRCM) system onto the Army and Special Operations Aircraft platforms. Due to a number of challenges, circumstances, and variables, the Army updated the Advanced Threat Warning (ATW)/CIRCM QRC and Limited Interim Missile Warning System (LIMWS) Directed Requirements (dated November 16, 2018). The updated requirements extend the utilization of ATW DoN LAIRCM on conventional Army aircraft and cancel the need for the ATW/CIRCM QRC system for the conventional Army. (It should be noted that the updated requirement maintains the need for ATW/CIRCM on the Special Operations Aircraft. Sustainment of ATW on Special Operations Aircraft will transfer to Special Operations Aircraft budget line in FY23). As a result, the Army did not acquire the ATW sensors for use in Phase 3 of the JUONS effort. Instead, the Army accelerated the procurement of the CIRCM QRC systems for use with the currently fielded CMWS in preparation for transition to the LIMWS system.</p> <p>LIMWS QRC:</p> <p>APO = 399 (B-Kits)</p> <p>Phase 4 LIMWS QRC addresses the HQDA Directed Requirement to provide a greater capability than CMWS, the current Program of Record (POR), to bridge the gap between CMWS and the future POR. LIMWS is required in order to maintain overmatch of quickly emerging threat technology and tactics by providing increased detection range, improved detection in clutter, more agile algorithms to rapidly respond to emerging threats, and eliminates the need for sensor alignment.</p> <p>References:</p> <ul style="list-style-type: none"> <li>- Joint Staff, J-8 Deputy Director for Requirements (DOR) memorandum, April 24, 2015</li> <li>- Phase 2a SOCOM JUONS SO-0010, Joint Rapid Acquisition Cell (JRAC) memorandum, May 29, 2015</li> <li>- Directed Requirement for the Phase 3 Advanced Threat Warner and Common Infrared Countermeasure Quick Reaction Capability (ATW/CIRCM QRC) to Support Joint Urgent Operational Need (JUON) SO-0010, CIRCM Critical Intelligence Parameters Breach, December 18, 2015</li> <li>- Directed Requirement for Limited Interim Missile Warning System to Detect Enemy Man Portable Air Defense Systems, March 26, 2017</li> <li>- Update to the Directed Requirement for the United States Special Operations Command Joint Urgent Operational Needs SO-0010 Threat Detection and Countermeasures to Enemy Man Portable Air Defense System Capability, November 16, 2018</li> <li>- Directed Requirement for Limited Interim Missile Warning System to Detect Enemy Man Portable Air Defense Systems, November 16, 2018</li> <li>- Aircraft Survivability Equipment (ASE) Modernization Fielding Guidance, Change 1, November 19, 2018</li> </ul>										
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	148.570	107.112	72.041	-	72.041	5.216	14.253	14.305	14.276
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>148.570</b>	<b>107.112</b>	<b>72.041</b>	-	<b>72.041</b>	<b>5.216</b>	<b>14.253</b>	<b>14.305</b>	<b>14.276</b>

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army								Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics						P-1 Line Item Number / Title: 5397AZ3517 / CMWS				
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A			Other Related Program Elements: 0605051A			
Line Item MDAP/MAIS Code: 219										
Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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	AZ3517 / CMWS	P-5a			200 / 1,334.706	- / 148.570	- / 107.112	- / 72.041	- / -	- / 72.041
P-40	Total Gross/Weapon System Cost				200 / 1,334.706	- / 148.570	- / 107.112	- / 72.041	- / -	- / 72.041
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
CMWS: FY 2024 Base Procurement dollars in the amount of \$11.539 million supports CMWS software modifications, software concurrency, contractor support, system of system analysis, algorithm solutions, and system test and evaluation (ST&E) efforts.

JUONS Phase 2a DoN LAIRCM: FY 2024 Base Procurement dollars in the amount of \$10.800 million for direct combat support expenses for Operation Inherent Resolve will fund Demodification, LRU Reset and Systems Engineering and Program Management (SEPM).

Phase 4 LIMWS QRC: FY 2024 Base Procurement dollars in the amount of \$49.702 million for direct combat support expenses for Operation Inherent Resolve will fund contractor logistics support; installation of Conventional Army platforms; training and publications; test and special equipment; continued software maintenance and updates, testing, integration updates on all fielded platforms; and SEPM.

Additionally, MWS supports rotational based capability for Army Aviation.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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Exhibit P-5, Cost Analysis: PB 2024 Army													Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10						P-1 Line Item Number / Title: 5397AZ3517 / CMWS							Item Number / Title [DODIC]: AZ3517 / CMWS					
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total				
Procurement Quantity <i>(Units in Each)</i>				200		-		-		-		-		-				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				1,334.706		148.570		107.112		72.041		-		72.041				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P-1) <i>(\$ in Millions)</i>				1,334.706		148.570		107.112		72.041		-		72.041				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				1,334.706		148.570		107.112		72.041		-		72.041				
(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 Thousands)</i>				6,673.530		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
CMWS A-Kit Fixed Wing Installation	2,974.222	18	53.536	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CMWS A-Kit Rotary Wing Installation	657.000	10	6.570	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CMWS Gen 3 ECU Hardware	261.671	432	113.042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CMWS Gen 3 User Data Module (UDM)	-	-	9.607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CMWS Other Recurring Prod (Software/Engineer)	-	-	203.181	-	-	5.593	-	-	5.117	-	-	3.462	-	-	-	-	-	3.462
CMWS Systems Engineering	-	-	29.756	-	-	1.310	-	-	1.712	-	-	1.365	-	-	-	-	-	1.365
CMWS Program Management	-	-	28.288	-	-	2.995	-	-	2.956	-	-	2.991	-	-	-	-	-	2.991
CMWS Systems Test and Evaluation	-	-	82.766	-	-	4.838	-	-	3.831	-	-	3.715	-	-	-	-	-	3.715
JUONS SO-0010 A-Kit Procurement	432.174	69	29.820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUONS SO-0010 A-Kit Installation	376.406	69	25.972	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUONS SO-0010 B-Kit Procurement	2,824.200	45	127.089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2024 Army													Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10						P-1 Line Item Number / Title: 5397AZ3517 / CMWS							Item Number / Title [DODIC]: AZ3517 / CMWS					
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 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
JUONS SO-0010 Systems Engineering	-	-	10.808	-	-	2.050	-	-	2.160	-	-	2.750	-	-	-	-	-	2.750
JUONS SO-0010 Program Management	-	-	8.981	-	-	1.840	-	-	1.890	-	-	2.750	-	-	-	-	-	2.750
JUONS SO-0010 Systems Test & Evaluation	-	-	12.538	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUONS SO-0010 Fielding/FSR Support/ Depot/Demod	-	-	63.988	-	-	17.118	-	-	23.390	-	-	5.300	-	-	-	-	-	5.300
JUONS SO-0010 Software/Engineering Support	-	-	12.863	-	-	8.600	-	-	5.260	-	-	-	-	-	-	-	-	-
Phase 3 ATW/ CIRCM QRC B-Kit Procurement <sup>(†)</sup>	1,015.344	64	64.982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CIRCM QRC Systems Engineering	-	-	6.704	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CIRCM QRC Program Management	-	-	6.614	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CIRCM QRC A-Kit Installation	157.839	155	24.465	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CIRCM QRC ST&E	-	-	5.920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phase 4 LIMWS A- Kit Procurement and Install <sup>(†)</sup>	121.065	367	44.431	-	-	4.454	-	-	3.724	-	-	1.314	-	-	-	-	-	1.314
LIMWS Systems Engineering Program Management	-	-	30.971	-	-	11.766	-	-	10.468	-	-	10.225	-	-	-	-	-	10.225
Phase 4 LIMWS QRC B-Kit Procurement <sup>(†)</sup>	566.789	336	190.441	626.090	100	62.609	-	-	-	-	-	-	-	-	-	-	-	-
LIMWS QRC Additional B-Kit Hardware (ALE-47)	-	-	10.656	-	-	8.297	-	-	-	-	-	-	-	-	-	-	-	-
CIRCM QRC A-Kit Procurement	378.650	60	22.719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CIRCM Additional Hardware-I Generators	50.550	20	1.011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LIMWS Engineering Services	-	-	11.354	-	-	2.938	-	-	19.253	-	-	13.105	-	-	-	-	-	13.105
LIMWS Systems Test & Evaluation	-	-	-	-	-	-	-	-	17.135	-	-	2.521	-	-	-	-	-	2.521

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Exhibit P-5, Cost Analysis: PB 2024 Army												Date: March 2023						
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10						P-1 Line Item Number / Title: 5397AZ3517 / CMWS						Item Number / Title [DODIC]: AZ3517 / CMWS						
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 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Subtotal: Recurring Cost	-	-	1,239.073	-	-	134.408	-	-	96.896	-	-	49.498	-	-	-	-	-	49.498
Non Recurring Cost																		
CMWS Other Modifications (5th Sensor and P3I)	-	-	5.805	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CMWS Other Procurement	-	-	3.176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FY 2019 Rapid Prototyping Fund	-	-	0.613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	9.594	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	1,248.667	-	-	134.408	-	-	96.896	-	-	49.498	-	-	-	-	-	49.498
Logistics Cost																		
Recurring Cost																		
CIRCM ICS-CLS	-	-	8.060	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUONS Fielding and ICS-CLS	-	-	3.108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LIMWS ICS-CLS	-	-	31.430	-	-	7.214	-	-	5.000	-	-	17.026	-	-	-	-	-	17.026
LIMWS Fielding	-	-	-	-	-	4.029	-	-	4.996	-	-	5.517	-	-	-	-	-	5.517
Subtotal: Recurring Cost	-	-	42.598	-	-	11.243	-	-	9.996	-	-	22.543	-	-	-	-	-	22.543
Non Recurring Cost																		
LIMWS Training/ Equipment	-	-	-	-	-	2.899	-	-	0.220	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	-	-	-	2.899	-	-	0.220	-	-	-	-	-	-	-	-	-
Subtotal: Logistics Cost	-	-	42.598	-	-	14.142	-	-	10.216	-	-	22.543	-	-	-	-	-	22.543
Support - Fielding Cost																		
Fielding	-	-	35.038	-	-	0.020	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Fielding Cost	-	-	35.038	-	-	0.020	-	-	-	-	-	-	-	-	-	-	-	-
Support - Training Cost																		
Equipment	-	-	8.403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Training Cost	-	-	8.403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	6,673.530	200	1,334.706	-	-	148.570	-	-	107.112	-	-	72.041	-	-	-	-	-	72.041
Remarks:																		

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Exhibit P-5, Cost Analysis: PB 2024 Army				Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10		P-1 Line Item Number / Title: 5397AZ3517 / CMWS		Item Number / Title [DODIC]: AZ3517 / CMWS		
ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:			
LIMWS A-Kits: Production of 201 A-Kits procured in first quarter FY 2020. FY 2021 LIMWS OCO APA funds procurement of 80 A-Kits for multiple platform variants. FY22 LIMWS funding for A-Kit installs only.						
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	148.570	107.112	72.041	-	72.041
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	148.570	107.112	72.041	-	72.041

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

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Exhibit P-5a, Procurement History and Planning: PB 2024 Army									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10			P-1 Line Item Number / Title: 5397AZ3517 / CMWS						Item Number / Title [DODIC]: AZ3517 / CMWS			
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 (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Phase 3 ATW/CIRCM QRC B-Kit Procurement	✓	2018	Northrop Grumman / Rolling Meadows, IL	SS / FFP	AMCOM Contracting Command, RSA	Dec 2017	Dec 2018	64	1,015.344	N		
Phase 4 LIMWS A-Kit Procurement and Install	✓	2019	BAE Systems / Nashua, NH	C / FFP	AMCOM Contracting Command, RSA	Nov 2018	Aug 2019	86	78.047	N		
Phase 4 LIMWS A-Kit Procurement and Install	✓	2020	BAE Systems / Nashua, NH	C / FFP	AMCOM Contracting Command, RSA	Oct 2019	Apr 2020	201	71.960	N		
Phase 4 LIMWS A-Kit Procurement and Install	✓	2021	Tyonek / Huntsville, AL	C / FFP	AMCOM Contracting Command, RSA	Jan 2021	Jul 2021	80	290.688	N		
Phase 4 LIMWS QRC B-Kit Procurement	✓	2018	BAE Systems / Nashua, NH	C / FFP	AMCOM Contracting Command, RSA	May 2018	Sep 2019	36	626.090	N		
Phase 4 LIMWS QRC B-Kit Procurement	✓	2019	BAE Systems / Nashua, NH	C / FFP	AMCOM Contracting Command, RSA	Mar 2020	Feb 2021	100	626.090	N		
Phase 4 LIMWS QRC B-Kit Procurement	✓	2020	BAE Systems / Nashua, NH	C / FFP	AMCOM Contracting Command, RSA	Jan 2020	Dec 2021	100	626.090	N		
Phase 4 LIMWS QRC B-Kit Procurement	✓	2021	BAE Systems / Nashua, NH	C / FFP	AMCOM Contracting Command, RSA	Jan 2021	Oct 2022	100	626.090	N		
Phase 4 LIMWS QRC B-Kit Procurement		2022	BAE Systems / Nashua, NH	C / FFP	AMCOM Contracting Command, RSA	Sep 2022	Aug 2023	100	626.090	N		



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Exhibit P-40, Budget Line Item Justification: PB 2024 Army								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics						P-1 Line Item Number / Title: 5399AZ3537 / Common Infrared Countermeasures (CIRCM)						
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 446												
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	355	110	125	125	-	125	125	125	125	125	700	1,915
Gross/Weapon System Cost (\$ in Millions)	694.592	234.012	284.334	261.384	-	261.384	254.397	257.727	257.462	257.015	2,075.106	4,576.029
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	694.592	234.012	284.334	261.384	-	261.384	254.397	257.727	257.462	257.015	2,075.106	4,576.029
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	694.592	234.012	284.334	261.384	-	261.384	254.397	257.727	257.462	257.015	2,075.106	4,576.029
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	1,956.597	2,127.382	2,274.672	2,091.072	-	2,091.072	2,035.176	2,061.816	2,059.696	2,056.120	2,964.437	2,389.571
Description: This funding line is a key enabler of the Army Modernization Priorities in support of Future Vertical Lift (FVL) Future Aerial Reconnaissance Aircraft (FARA) and Future Long-Range Assault Aircraft (FLRAA) platforms.  Army Procurement Objective (APO) = 1,988 (B-Kits only) On April 15, 2022 the AROC approved an APO increase for CIRCM B-Kits from 1781 to 1988. On July 8, 2022 HQDA released EXORD 166-22 which defines the new Regionally Aligned Readiness and Modernizations Model (ReARMM) which expedites the procurement and installation of CIRCM A-Kits at a quicker rate than what was approved in the Full Rate Production (FRP) Army Cost Position (ACP). CIRCM conducted a Configuration Steering Board (CSB) in September 2022 with the AAE to address requirements changes and realign the funding profile. CIRCM will receive a new Army Program Baseline (APB) in April 2023.  The (Common Infrared Countermeasures) CIRCM budget line includes 1) CIRCM (AZ3537), 2) funding to counter emerging technology as identified in Joint Urgent Operational Needs Statement (JUONS) SO-0010 Phase 2a and the Headquarters Department of the Army (HQDA) Directed Requirement for the CIRCM Quick Reaction Capability (QRC), 3) funding to support HQDA Directed Requirement for the Phase 3 Advanced Threat Warning(ATW)/CIRCM QRC.  CIRCM (AZ3537) CIRCM is the next generation lightweight, laser-based Infrared Countermeasure (IRCM) component that will interface with both the Army's Common Missile Warning System (CMWS), Limited Interim Missile Warning System (LIMWS), Advanced Threat Warner (ATW), and future Improved Threat Detection System (ITDS) to defeat current and emerging missile threats that use multispectral technology for rotary-wing, tilt-rotor and small fixed-wing aircraft across the DoD. CIRCM receives an angular bearing hand-off from the MWS, employs a pointing and tracking system which acquires the handed-over threat and tracks the incoming missile during and after motor burnout. CIRCM jams the missile by using modulated laser energy in the missile seeker band, thus degrading the tracking capability of the missile and causing it to miss the aircraft. CIRCM is utilizing Open Systems Architecture which allows flexibility with software and hardware refreshes to keep pace with future threats. CIRCM is part of the suite of ASE Mission Equipment for the FVL platform.  The CIRCM A-Kit includes mounting hardware, wiring harnesses, and other components necessary to install and interface the mission kit on host aircraft. The A-Kit ensures the mission kit is functionally and physically operational with a specific host aircraft type. The CIRCM B-Kit is the mission kit (laser, pointer tracker, and controller) required to achieve near spherical coverage for an aircraft.  JUONS SO-0010 and CIRCM QRC												

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army							<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics					<b>P-1 Line Item Number / Title:</b> 5399AZ3537 / Common Infrared Countermeasures (CIRCM)					
<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> 446										
<p>As a part of Phase 2a of the JUONS (SO-0010) program, the Army integrated the Department of the Navy Large Aircraft Infrared Countermeasure (DoN LAIRCM) system onto the Army and Special Operations Aircraft (SOA) platforms. Due to a number of challenges, circumstances, and variables, the Army updated the ATW/CIRCM QRC and Limited Interim Missile Warning System (LIMWS) Directed Requirements (dated November 16, 2018). The updated requirements extend the utilization of ATW DoN LAIRCM on conventional Army aircraft and cancel the need for the ATW/CIRCM QRC system for the conventional Army. (It should be noted that the updated requirement maintains the need for ATW/CIRCM on SOA platforms. Sustainment of ATW on Special Operations Aircraft will transfer to the SOA budget line in FY23). As a result, the Army did not acquire the ATW sensors for use in Phase 3 of the JUONS effort. Instead, the Army accelerated the procurement of the CIRCM QRC systems for use with the currently fielded CMWS in preparation for transition to the LIMWS system.</p> <p>CIRCM Full Rate Production Decision was approved April 13, 2021 and a five year IDIQ contract was awarded to NGSC on April 30, 2021 for up to 596 B-Kits with options for Engineering Services, Repairs, and Contractor Logistic Support Services. CIRCM has executed the first two delivery orders for B-Kits under the FRP contract and deliveries have begun. The full rate production APB was approved July 2021 and the program completed the Initial Operational Capability (IOC) threshold date of September 2022. CIRCM is utilizing OEM contractor logistics to support initial fielding of the system in FY 2022. The program is planning to transition to organic depot support through a Private-Public Partnership in FY 2027, however an Analysis of Product Support Alternatives (APSA) will be conducted in FY 2023 after fielding and repair data is more readily available to determine the best sustainment strategy for the USG.</p>										
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Army	Quantity	110	125	125	-	125	125	125	125	125
	Total Obligation Authority	234.012	284.334	261.384	-	261.384	254.397	257.727	257.462	257.015
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>110</b>	<b>125</b>	<b>125</b>	<b>-</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>
	<b>Total Obligation Authority</b>	<b>234.012</b>	<b>284.334</b>	<b>261.384</b>	<b>-</b>	<b>261.384</b>	<b>254.397</b>	<b>257.727</b>	<b>257.462</b>	<b>257.015</b>

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army								Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics						P-1 Line Item Number / Title: 5399AZ3537 / Common Infrared Countermeasures (CIRCM)				
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: 446										
Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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	AZ3537 / Common Infrared Countermeasures (CIRCM)	P-5a, P-21			355 / 694.592	110 / 234.012	125 / 284.334	125 / 261.384	- / -	125 / 261.384
P-40	Total Gross/Weapon System Cost				355 / 694.592	110 / 234.012	125 / 284.334	125 / 261.384	- / -	125 / 261.384
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
FY 2024 Base Procurement dollars for CIRCM Program of Record in the amount of \$249.344 million will fund procurement of CIRCM hardware, integration, testing, software updates, jam code updates, Systems Engineering Program Management (SEPM), fielding, and sustainment.

FY 2024 Base Procurement dollars for CIRCM QRC in the amount of \$12.040 million for direct combat support expenses for Operation Inherent Resolve will fund Contractor Field Support Representatives, Repair, Contractor Logistics Support, and Systems Engineering for fielded units.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

## UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2024 Army												Date: March 2023							
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10						P-1 Line Item Number / Title: 5399AZ3537 / Common Infrared Countermeasures (CIRCM)						Item Number / Title [DODIC]: AZ3537 / Common Infrared Countermeasures (CIRCM)							
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total					
Procurement Quantity (Units in Each)				355		110		125		125		-		125					
Gross/Weapon System Cost (\$ in Millions)				694.592		234.012		284.334		261.384		-		261.384					
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-					
Net Procurement (P-1) (\$ in Millions)				694.592		234.012		284.334		261.384		-		261.384					
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-					
Total Obligation Authority (\$ in Millions)				694.592		234.012		284.334		261.384		-		261.384					
(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 Thousands)				1,956.597		2,127.382		2,274.672		2,091.072		-		2,091.072					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																			
Cost Elements		Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																			
Recurring Cost																			
CIRCM A-Kit Manufacturing/ Installation <sup>(†)</sup>	66.334	401	26.600	56.961	490	27.911	40.450	533	21.560	41.665	355	14.791	-	-	-	41.665	355	14.791	
CIRCM B-Kit Manufacturing <sup>(†)</sup>	1,130.271	269	304.043	1,200.009	110	132.001	1,163.848	125	145.481	1,249.800	125	156.225	-	-	-	1,249.800	125	156.225	
Other Recurring Production	-	-	43.126	-	-	-	-	-	29.000	-	-	16.326	-	-	-	-	-	16.326	
Phase 3 CIRCM QRC B-Kit Manufacturing <sup>(†)</sup>	1,251.159	107	133.874	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CIRCM QRC A-Kit Manufacturing/Installs	-	-	23.425	-	-	-	-	-	3.700	-	-	-	-	-	-	-	-	-	
B-Kit Manufacturing to Support Phase 4 LIMWS QRC <sup>(†)</sup>	1,271.000	9	11.439	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CIRCM QRC SEPM	-	-	21.329	-	-	5.310	-	-	7.860	-	-	1.950	-	-	-	-	-	1.950	
CIRCM QRC Testing	-	-	3.379	-	-	6.170	-	-	11.350	-	-	-	-	-	-	-	-	-	
CIRCM QRC Training	-	-	5.693	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CIRCM QRC Fielding	-	-	16.036	-	-	9.367	-	-	9.390	-	-	10.090	-	-	-	-	-	10.090	
CIRCM QRC Software	-	-	1.000	-	-	2.458	-	-	-	-	-	-	-	-	-	-	-	-	
CIRCM QRC Rapid Prototyping Fund	-	-	0.033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-5, Cost Analysis: PB 2024 Army												Date: March 2023						
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10						P-1 Line Item Number / Title: 5399AZ3537 / Common Infrared Countermeasures (CIRCM)						Item Number / Title [DODIC]: AZ3537 / Common Infrared Countermeasures (CIRCM)						
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 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
CIRCM QRC Engineering Changes	-	-	1.440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	591.417	-	-	183.217	-	-	228.341	-	-	199.382	-	-	-	-	-	199.382
Non Recurring Cost																		
Depot Stand-up	-	-	1.840	-	-	1.100	-	-	0.080	-	-	2.500	-	-	-	-	-	2.500
CIRCM QRC Retrofit	-	-	-	465.167	30	13.955	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	1.840	-	-	15.055	-	-	0.080	-	-	2.500	-	-	-	-	-	2.500
Subtotal: Flyaway Cost	-	-	593.257	-	-	198.272	-	-	228.421	-	-	201.882	-	-	-	-	-	201.882
Software Cost																		
Recurring Cost																		
Jam Code Updates/ Software Support	-	-	16.149	-	-	1.268	-	-	0.247	-	-	2.151	-	-	-	-	-	2.151
Cyber Security	-	-	7.847	-	-	0.525	-	-	0.600	-	-	1.027	-	-	-	-	-	1.027
Subtotal: Recurring Cost	-	-	23.996	-	-	1.793	-	-	0.847	-	-	3.178	-	-	-	-	-	3.178
Subtotal: Software Cost	-	-	23.996	-	-	1.793	-	-	0.847	-	-	3.178	-	-	-	-	-	3.178
Support - Data Cost																		
Technical Publications	-	-	0.463	-	-	-	-	-	-	-	-	0.261	-	-	-	-	-	0.261
Subtotal: Support - Data Cost	-	-	0.463	-	-	-	-	-	-	-	-	0.261	-	-	-	-	-	0.261
Support - Engineering Change Proposals Cost																		
Engineering Change Proposals	-	-	-	-	-	-	-	-	-	-	-	0.342	-	-	-	-	-	0.342
Subtotal: Support - Engineering Change Proposals Cost	-	-	-	-	-	-	-	-	-	-	-	0.342	-	-	-	-	-	0.342
Support - Fielding Cost																		
Fielding	-	-	41.128	-	-	14.248	-	-	30.002	-	-	32.231	-	-	-	-	-	32.231
Subtotal: Support - Fielding Cost	-	-	41.128	-	-	14.248	-	-	30.002	-	-	32.231	-	-	-	-	-	32.231
Support - System Engineering Cost																		
System Engineering	-	-	27.519	-	-	16.172	-	-	17.493	-	-	19.918	-	-	-	-	-	19.918
Subtotal: Support - System Engineering Cost	-	-	27.519	-	-	16.172	-	-	17.493	-	-	19.918	-	-	-	-	-	19.918
Support - System Test and Evaluation Cost																		
Test and Evaluation Support	-	-	5.512	-	-	2.768	-	-	7.572	-	-	3.572	-	-	-	-	-	3.572

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Exhibit P-5, Cost Analysis: PB 2024 Army											Date: March 2023							
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10						P-1 Line Item Number / Title: 5399AZ3537 / Common Infrared Countermeasures (CIRCM)						Item Number / Title [DODIC]: AZ3537 / Common Infrared Countermeasures (CIRCM)						
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 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Subtotal: Support - System Test and Evaluation Cost	-	-	5.512	-	-	2.768	-	-	7.572	-	-	3.572	-	-	-	-	-	3.572
Support - Training Cost																		
Services	-	-	2.717	-	-	0.760	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Training Cost	-	-	2.717	-	-	0.760	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	1,956.597	355	694.592	2,127.382	110	234.012	2,274.672	125	284.334	2,091.072	125	261.384	-	-	-	2,091.072	125	261.384
Remarks: Other Recurring Production includes CIRCM Obsolescence																		
Secondary Distribution						FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total				
Army		Quantity				110		125		125		-		125				
		Total Obligation Authority				234.012		284.334		261.384		-		261.384				
Total: Secondary Distribution		Quantity				110		125		125		-		125				
		Total Obligation Authority				234.012		284.334		261.384		-		261.384				
(t) indicates the presence of a P-5a																		

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Exhibit P-5a, Procurement History and Planning: PB 2024 Army									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10				P-1 Line Item Number / Title: 5399AZ3537 / Common Infrared Countermeasures (CIRCM)					Item Number / Title [DODIC]: AZ3537 / Common Infrared Countermeasures (CIRCM)			
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 (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
CIRCM A-Kit Manufacturing/ Installation <sup>(†)</sup>		2018	Logistics Support Facility (LSF) / Army Aviation Field Maintenance Facility (AFMD) / Redtone Arsenal	C / FPIF	HQ ACC, Redstone Arsenal, AL	Sep 2018	Jul 2019	24	0.000	Y		
CIRCM A-Kit Manufacturing/ Installation <sup>(†)</sup>		2019	Logistics Support Facility (LSF) / Army Aviation Field Maintenance Facility (AFMD) / Redtone Arsenal	MIPR	HQ ACC, Redstone Arsenal, AL	Apr 2019	Aug 2019	81	61.914	N		
CIRCM A-Kit Manufacturing/ Installation <sup>(†)</sup>		2020	Logistics Support Facility (LSF) / Army Aviation Field Maintenance Facility (AFMD) / Redtone Arsenal	MIPR	HQ ACC, Redstone Arsenal, AL	Jan 2020	May 2020	100	72.810	N		
CIRCM A-Kit Manufacturing/ Installation <sup>(†)</sup>		2021	Logistics Support Facility (LSF) / Army Aviation Field Maintenance Facility (AFMD) / Redtone Arsenal	MIPR	HQ ACC, Redstone Arsenal, AL	Jan 2021	May 2021	196	60.556	N		
CIRCM A-Kit Manufacturing/ Installation <sup>(†)</sup>		2022	Logistics Support Facility (LSF) / Army Aviation Field Maintenance Facility (AFMD) / Redtone Arsenal	MIPR	HQ ACC, Redstone Arsenal, AL	Jan 2022	May 2022	490	56.961	N		
CIRCM A-Kit Manufacturing/ Installation <sup>(†)</sup>		2023	Logistics Support Facility (LSF) / Army Aviation Field Maintenance Facility (AFMD) / Redtone Arsenal	MIPR	HQ ACC, Redstone Arsenal, AL	Jan 2023	Jun 2023	533	40.450	N		
CIRCM A-Kit Manufacturing/ Installation <sup>(†)</sup>		2024	Logistics Support Facility (LSF) / Army Aviation Field Maintenance Facility (AFMD) / Redtone Arsenal	MIPR	HQ ACC, Redstone Arsenal, AL	Jan 2024	Jun 2024	355	41.665	N		
CIRCM B-Kit Manufacturing <sup>(†)</sup>		2018	Northrop Grumman Systems Corp / Rolling Meadows	C / FFP	HQ ACC, Redstone Arsenal, AL	Jul 2019	Dec 2020	24	1,287.500	N		
CIRCM B-Kit Manufacturing <sup>(†)</sup>		2019	Northrop Grumman Systems Corp / Rolling Meadows	Option / FPIF	HQ ACC, Redstone Arsenal, AL	Dec 2018	Oct 2019	24	481.083	N		
CIRCM B-Kit Manufacturing <sup>(†)</sup>		2020	Northrop Grumman Systems Corp / Rolling Meadows	C / FFP	HQ ACC, Redstone Arsenal, AL	Jan 2020	Jun 2021	101	1,168.089	N		
CIRCM B-Kit Manufacturing <sup>(†)</sup>		2021	Northrop Grumman Systems Corp / Rolling Meadows	C / FFP	HQ ACC, Redstone Arsenal, AL	Nov 2020	Jul 2022	120	1,196.833	N		
CIRCM B-Kit Manufacturing <sup>(†)</sup>		2022	Northrop Grumman Systems Corp / Rolling Meadows	C / FFP	HQ ACC, Redstone Arsenal, AL	Feb 2022	Sep 2023	110	1,200.009	N		
CIRCM B-Kit Manufacturing <sup>(†)</sup>		2023	Northrop Grumman Systems Corp / Rolling Meadows	C / FFP	HQ ACC, Redstone Arsenal, AL	Nov 2022	Aug 2024	125	1,163.848	N		
CIRCM B-Kit Manufacturing <sup>(†)</sup>		2024	Northrop Grumman Systems Corp / Rolling Meadows	C / FFP	HQ ACC, Redstone Arsenal, AL	Nov 2023	Aug 2025	125	1,249.800	N		
Phase 3 CIRCM QRC B-Kit Manufacturing	✓	2017	Northrop Grumman Systems Corp / Rolling Meadows	C / FFP	HQ ACC, Redstone Arsenal, AL	Sep 2018	Nov 2019	77	1,200.170	N		
Phase 3 CIRCM QRC B-Kit Manufacturing	✓	2018	Northrop Grumman Systems Corp / Rolling Meadows	C / FFP	HQ ACC, Redstone Arsenal, AL	Jul 2019	Jan 2021	30	1,382.033	N		

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Exhibit P-5a, Procurement History and Planning: PB 2024 Army								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10				P-1 Line Item Number / Title: 5399AZ3537 / Common Infrared Countermeasures (CIRCM)				Item Number / Title [DODIC]: AZ3537 / Common Infrared Countermeasures (CIRCM)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
B-Kit Manufacturing to Support Phase 4 LIMWS QRC	✓	2019	Northrop Grumman Systems Corp / Rolling Meadows	C / FFP	HQ ACC, Redstone Arsenal, AL	Jul 2019	Dec 2020	9	1,271.000	N		

(†) indicates the presence of a P-21

**Remarks:**  
FY18 - LRIP 3 (DO 01) Qty = 24  
FY19 - LRIP 2 Qty = 24  
FY20 - LRIP 3 (DO 02) Qty = 101  
FY21 - FRP Qty = 120  
FY22 - FRP Qty = 110  
FY23 - FRP Qty = 125  
FY24 - FRP Qty = 125  
  
FY17 - QRC 2 Qty = 77  
FY18 - QRC 3 Qty = 30  
FY19 - LIMWS QRC Qty = 9



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Exhibit P-21, Production Schedule: PB 2024 Army																			Date: March 2023																																												
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10							P-1 Line Item Number / Title: 5399AZ3537 / Common Infrared Countermeasures (CIRCM)												Item Number / Title [DODIC]: AZ3537 / Common Infrared Countermeasures (CIRCM)																																												
Cost Elements (Units in Each)							Fiscal Year 2018												Fiscal Year 2019												B A L A N C E																																
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019																																												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																																	
CIRCM A-Kit Manufacturing/Installation																																																															
	1	2018	ARMY	24	0	24													A -	-	-	-	-	-	-	-	-	-	-	-	-	12	12		0																												
	1	2019	ARMY	81	0	81																									A -	-	-	-	-	-	-	-	-	-	15	15		51																			
	1	2020	ARMY	100	0	100																																																	100								
	1	2021	ARMY	196	0	196																																																	196								
	1	2022	ARMY	490	0	490																																																	490								
	1	2023	ARMY	533	0	533																																																	533								
	1	2024	ARMY	355	0	355																																																	355								
CIRCM B-Kit Manufacturing																																																															
	2	2018	ARMY	24	0	24																																					A -	-	-								24										
	2	2019	ARMY	24	0	24																									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	24																		
	2	2020	ARMY	101	0	101																																																									101
	2	2021	ARMY	120	0	120																																																									120
	2	2022	ARMY	110	0	110																																																									110
	2	2023	ARMY	125	0	125																																																									125
	2	2024	ARMY	125	0	125																																																									125
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																																	

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Exhibit P-21, Production Schedule: PB 2024 Army																				Date: March 2023															
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10										P-1 Line Item Number / Title: 5399AZ3537 / Common Infrared Countermeasures (CIRCM)										Item Number / Title [DODIC]: AZ3537 / Common Infrared Countermeasures (CIRCM)															
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2020													Fiscal Year 2021													B A L A N C E		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020													Calendar Year 2021															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
CIRCM A-Kit Manufacturing/Installation																																			
	1	2018	ARMY	24	24	0																												0	
	1	2019	ARMY	81	30	51	15	15	21																										0
	1	2020	ARMY	100	0	100	A -			-	-	-	-	15	15	15	15	15	15	10											0				
	1	2021	ARMY	196	0	196														A -	-	-	-	15	15	15	15	15					121		
	1	2022	ARMY	490	0	490																												490	
	1	2023	ARMY	533	0	533																												533	
	1	2024	ARMY	355	0	355																												355	
CIRCM B-Kit Manufacturing																																			
	2	2018	ARMY	24	0	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	8	9											0	
	2	2019	ARMY	24	0	24	11	1	-	-	-	5	7																					0	
	2	2020	ARMY	101	0	101	A -			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	9	9	9	69						
	2	2021	ARMY	120	0	120														A -	-	-	-	-	-	-	-	-	-	-	-	-	120		
	2	2022	ARMY	110	0	110																												110	
	2	2023	ARMY	125	0	125																												125	
	2	2024	ARMY	125	0	125																												125	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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Exhibit P-21, Production Schedule: PB 2024 Army																		Date: March 2023																				
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10							P-1 Line Item Number / Title: 5399AZ3537 / Common Infrared Countermeasures (CIRCM)																		Item Number / Title [DODIC]: AZ3537 / Common Infrared Countermeasures (CIRCM)													
Cost Elements (Units in Each)							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								
CIRCM A-Kit Manufacturing/Installation																																						
	1	2018	ARMY	24	24	0																										0						
	1	2019	ARMY	81	81	0																										0						
	1	2020	ARMY	100	100	0																										0						
	1	2021	ARMY	196	75	121	15	15	15	15	15	15	15	16											15	15	15	15	15	15	15	15	15	15	15	15	0	
	1	2022	ARMY	490	0	490					A -	-	-	-	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	235						
	1	2023	ARMY	533	0	533																		A -	-	-	-	-	15	15	15	15	15	473				
	1	2024	ARMY	355	0	355																										355						
CIRCM B-Kit Manufacturing																																						
	2	2018	ARMY	24	24	0																										0						
	2	2019	ARMY	24	24	0																										0						
	2	2020	ARMY	101	32	69	9	9	9	9	9	9	9	6											-	-	-	-	-	-	-	-	-	-	-	-	0	
	2	2021	ARMY	120	0	120	-	-	-	-	-	-	-	-	-	6	5	3	6	10	10	12	12	12	12	12	13	7			10	100						
	2	2022	ARMY	110	0	110					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	125							
	2	2023	ARMY	125	0	125																		A -	-	-	-	-	-	-	-	-	-	-	-	-	-	125
	2	2024	ARMY	125	0	125																										125						
							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 2024 Army																				Date: March 2023														
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10							P-1 Line Item Number / Title: 5399AZ3537 / Common Infrared Countermeasures (CIRCM)													Item Number / Title [DODIC]: AZ3537 / Common Infrared Countermeasures (CIRCM)														
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024													Fiscal Year 2025													BALANCE	
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024													Calendar Year 2025														
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
CIRCM A-Kit Manufacturing/Installation																																		
	1	2018	ARMY	24	24	0																												0
	1	2019	ARMY	81	81	0																												0
	1	2020	ARMY	100	100	0																												0
	1	2021	ARMY	196	196	0																												0
	1	2022	ARMY	490	255	235	15	15	15	15	15	15	15	15	15	15	15	15	15	15	10											0		
	1	2023	ARMY	533	60	473	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	113			
	1	2024	ARMY	355	0	355				A -	-	-	-	-	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	35				
CIRCM B-Kit Manufacturing																																		
	2	2018	ARMY	24	24	0																												0
	2	2019	ARMY	24	24	0																												0
	2	2020	ARMY	101	101	0																												0
	2	2021	ARMY	120	120	0																												0
	2	2022	ARMY	110	10	100	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	5			0			
	2	2023	ARMY	125	0	125	-	-	-	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10	10	10	10	10	5	10	110			
	2	2024	ARMY	125	0	125																												
							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 2024 Army																		Date: March 2023																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10							P-1 Line Item Number / Title: 5399AZ3537 / Common Infrared Countermeasures (CIRCM)																		Item Number / Title [DODIC]: AZ3537 / Common Infrared Countermeasures (CIRCM)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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	1	2023	ARMY	533	420	113	15	15	15	15	15	15	15	8																				0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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	2	2024	ARMY	125	15	110	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1

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Exhibit P-21, Production Schedule: PB 2024 Army									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 10					P-1 Line Item Number / Title: 5399AZ3537 / Common Infrared Countermeasures (CIRCM)				Item Number / Title [DODIC]: AZ3537 / Common Infrared Countermeasures (CIRCM)			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	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	Logistics Support Facility (LSF) / Army Aviation Field Maintenance Facility (AFMD) - Redtone Arsenal	10	15	20	0	0	4	4	0	0	4	4
2	Northrop Grumman Systems Corp - Rolling Meadows	7	11	15	0	0	14	14	0	0	14	14

"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 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support							<b>P-1 Line Item Number / Title:</b> 5212AZ3100 / Common Ground Equipment					
<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> 0603801A, 0605830A				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,346.496	13.561	20.823	25.752	-	25.752	12.920	16.055	16.055	15.970	-	1,467.632
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,346.496	13.561	20.823	25.752	-	25.752	12.920	16.055	16.055	15.970	-	1,467.632
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1,346.496</b>	<b>13.561</b>	<b>20.823</b>	<b>25.752</b>	<b>-</b>	<b>25.752</b>	<b>12.920</b>	<b>16.055</b>	<b>16.055</b>	<b>15.970</b>	<b>-</b>	<b>1,467.632</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b> Aviation Ground Support Equipment (AGSE) Product Office procures and modernizes critical ground support equipment to enhance the functionality and maintenance of enduring and Future Vertical Lift (FVL) aircraft. This is accomplished by providing aircraft diagnostic, repair and servicing capabilities required to support Army Aviation readiness. Priority efforts in the near term include Aviation Ground Power Unit (AGPU 1.1), Pitot Static Test Set (PSTS) and Aircraft Cleaning and Deicing System (ACDS). In addition to these priorities the AGSE PO manages 26 fielded products.												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	7.645	20.823	25.752	-	25.752	12.920	16.055	16.055	15.970		
ANG	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	4.765	-	-	-	-	-	-	-	-		
AR	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	1.151	-	-	-	-	-	-	-	-		
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-		
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>13.561</b>	<b>20.823</b>	<b>25.752</b>	<b>-</b>	<b>25.752</b>	<b>12.920</b>	<b>16.055</b>	<b>16.055</b>	<b>15.970</b>		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army								Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support						P-1 Line Item Number / Title: 5212AZ3100 / Common Ground Equipment				
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A			Other Related Program Elements: 0603801A, 0605830A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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	AZ3520 / AVIATION GROUND SUPPORT EQUIPMENT				- / 1,346.496	- / 13.561	- / 20.823	- / 25.752	- / -	- / 25.752
P-40	Total Gross/Weapon System Cost				- / 1,346.496	- / 13.561	- / 20.823	- / 25.752	- / -	- / 25.752
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
FY24 Base procurement dollars will procure Aviation Ground Power Unit (AGPU) 1.1 systems. The Army Requirement Oversight Committee (AROC) approved AAO/APO of 157 AGPU 1.1s to support a critical capability gap (maintenance/operational) for the CH-47 and AH-64 fleet.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.



## UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2024 Army												Date: March 2023						
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 30						P-1 Line Item Number / Title: 5212AZ3100 / Common Ground Equipment						Item Number / Title [DODIC]: AZ3520 / AVIATION GROUND SUPPORT EQUIPMENT						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total				
Procurement Quantity <i>(Units in Each)</i>				-		-		-		-		-		-				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				1,346.496		13.561		20.823		25.752		-		25.752				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P-1) <i>(\$ in Millions)</i>				1,346.496		13.561		20.823		25.752		-		25.752				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				1,346.496		13.561		20.823		25.752		-		25.752				
(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 Thousands)</i>				3,534.110		91.628		4,164.600		1,287.600		-		1,287.600				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Aviation Ground Power Unit 1.1 (AGPU 1.1)	-	-	-	-	-	4.514	-	-	20.823	-	-	25.752	-	-	-	-	-	25.752
Aviation Ground Power Unit 1.0 (AGPU 1.0)	124.664	8,246	1,027.979	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Avn Light Utility Mobile Maint	43.671	1,100	48.038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Modernized Maintenance Stands	-	-	5.827	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Aviation Tool System	2.836	19,889	56.405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flexible Engine Diagnostics Sys	18,368.400	5	91.842	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCAMP II Expeditionary Type 2	196.191	110	21.581	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unit Maint Aerial Recovery Kit	-	-	14.584	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Destructive Test Equipment	486.484	62	30.162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tool Set, Aviation Unit Maintenance	-	-	1.879	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pitot Static Test Set	250.820	183	45.900	-	-	9.047	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2024 Army															Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 30							P-1 Line Item Number / Title: 5212AZ3100 / Common Ground Equipment							Item Number / Title [DODIC]: AZ3520 / AVIATION GROUND SUPPORT EQUIPMENT				
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 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Subtotal: Recurring Cost	-	-	1,344.197	-	-	13.561	-	-	20.823	-	-	25.752	-	-	-	-	-	25.752
Subtotal: Flyaway Cost	-	-	1,344.197	-	-	13.561	-	-	20.823	-	-	25.752	-	-	-	-	-	25.752
Support - Program Management Cost																		
Government Management	-	-	2.307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Program Management Cost	-	-	2.307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	3,534.110	-	1,346.496	91.628	-	13.561	4,164.600	-	20.823	1,287.600	-	25.752	-	-	-	1,287.600	-	25.752
Secondary Distribution							FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total			
Army	Quantity						-		-		-		-		-			
	Total Obligation Authority						7.645		20.823		25.752		-		25.752			
ANG	Quantity						-		-		-		-		-			
	Total Obligation Authority						4.765		-		-		-		-			
AR	Quantity						-		-		-		-		-			
	Total Obligation Authority						1.151		-		-		-		-			
Total: Secondary Distribution	Quantity						-		-		-		-		-			
	Total Obligation Authority						13.561		20.823		25.752		-		25.752			

## UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Army								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support						P-1 Line Item Number / Title: 6380AZ3110 / Aircrew Integrated Systems						
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A					Other Related Program Elements: 0603827A, 0604601A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	989.214	41.425	25.773	22.097	-	22.097	8.927	13.798	13.844	13.825	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	989.214	41.425	25.773	22.097	-	22.097	8.927	13.798	13.844	13.825	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	989.214	41.425	25.773	22.097	-	22.097	8.927	13.798	13.844	13.825	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Description:												
Aircrew Integrated Systems funds Air Soldier System (AirSS) Aviation Life Support Equipment efforts. The Air Soldier system provides Army rotary wing aircrews with protective mission and survival equipment. AirSS consists of Clothing and Individual Equipment and mission electronics integrated with the aircraft that enable the aircrew member to successfully perform the mission as well as protect, sustain, and enable the safe return to friendly forces in the event of a downed aircraft scenario. AirSS is the phased replacement of the legacy Air Warrior (AW) system that addresses capability gaps while equipping Army aircrews with protective, survival and personal mission equipment, to include: Soldier-worn modernized mission electronics tools that improve aircrew Situational Awareness (SA); and reduced Soldier load through reductions in bulk and weight of body worn mission and survival gear.												
These efforts support Multi-Domain Operations (MDO) to include targeted modernization of the enduring Aviation fleet. Recent and future efforts migrate from program/platform-unique hardware and software solutions to common integrated air/ground solutions that align with Network, Soldier Lethality, and Future Vertical Lift (FVL) modernization priorities.												
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	26.755	15.464	12.123	-	12.123	5.277	8.166	8.209	8.190		
ANG	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	11.003	7.731	7.481	-	7.481	2.738	4.224	4.226	4.226		
AR	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	3.667	2.578	2.493	-	2.493	0.912	1.408	1.409	1.409		
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	41.425	25.773	22.097	-	22.097	8.927	13.798	13.844	13.825		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Army								Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support					P-1 Line Item Number / Title: 6380AZ3110 / Aircrew Integrated Systems						
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: 0603827A, 0604601A			
Line Item MDAP/MAIS Code: N/A											
Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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	AZ3110 / Aircrew Integrated Systems				- / 989.214	- / 41.425	- / 25.773	- / 22.097	- / -	- / 22.097	
P-40	Total Gross/Weapon System Cost				- / 989.214	- / 41.425	- / 25.773	- / 22.097	- / -	- / 22.097	
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.											
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.											

**Justification:**  
FY 2024 Base procurement dollars in the amount of \$17.530 million supports AirSS requirements, and continued production and fielding of AirSS capabilities. AirSS provides: improved flight helmets; an Aviation Information System (AIS) for aviators that displays digital moving map/situational awareness and enhanced air/ground operations through Common Operating Environment (COE); Nett Warrior-Aviation (NW-A) end-user devices to replace paper DoD Flight Information Publications and aircraft publications and provide modernized SA and enables air/ground convergence; improved personal survival equipment; a wider field of view Common Helmet Mounted Display (CHMD) including enhanced flight symbology for day/night operations on rotary wing aircraft; and the Aircrew Combat Equipment (ACE) with lightweight body armor, the next generation flight survival vest, provides further reductions in body-worn bulk and weight. These capabilities reduce Soldier load and enhance Situational Awareness, Safety, and Survivability. Funds also procure Air Soldier platform-mounted components necessary for airframe interface with the Air Soldier and installation of airframe integration kits.

FY 2024 European Deterrence Initiative (EDI) dollars in the amount of \$4.567 million support the procurement of Nett Warrior-Aviation (NW-A) end-user devices and/or Aircrew Combat Equipment capability utilized in support of units' conducting ongoing EDI operations.

## UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2024 Army													Date: March 2023						
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 30							P-1 Line Item Number / Title: 6380AZ3110 / Aircrew Integrated Systems							Item Number / Title [DODIC]: AZ3110 / Aircrew Integrated Systems					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total					
Procurement Quantity <i>(Units in Each)</i>				-		-		-		-		-		-					
Gross/Weapon System Cost <i>(\$ in Millions)</i>				989.214		41.425		25.773		22.097		-		22.097					
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Net Procurement (P-1) <i>(\$ in Millions)</i>				989.214		41.425		25.773		22.097		-		22.097					
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Total Obligation Authority <i>(\$ in Millions)</i>				989.214		41.425		25.773		22.097		-		22.097					
(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 Thousands)</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 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total			
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
Flyaway Cost																			
Recurring Cost																			
Air SS Soldier Kits	4.594	12,412	57.021	5.931	1,588	9.418	4.202	1,441	6.055	6.088	647	3.939	-	-	-	6.088	647	3.939	
Air SS Airframe Kits	132.927	1,103	146.618	286.420	50	14.321	155.622	82	12.761	286.412	34	9.738	-	-	-	286.412	34	9.738	
Airframe Kit Install	-	-	21.317	-	-	1.676	-	-	1.100	-	-	1.730	-	-	-	-	-	1.730	
Manual	-	-	14.700	-	-	0.431	-	-	0.101	-	-	0.430	-	-	-	-	-	0.430	
New Equipment Training	-	-	6.334	-	-	0.175	-	-	0.106	-	-	0.200	-	-	-	-	-	0.200	
Initial Spares	-	-	15.874	-	-	1.857	-	-	0.923	-	-	1.184	-	-	-	-	-	1.184	
Support Equipment	-	-	10.250	-	-	0.312	-	-	0.166	-	-	0.100	-	-	-	-	-	0.100	
Systems Test and Evaluation	-	-	16.989	-	-	0.414	-	-	-	-	-	-	-	-	-	-	-	-	
Nonrecurring Engineering (NRE)	-	-	35.376	-	-	0.306	-	-	0.455	-	-	0.161	-	-	-	-	-	0.161	
Engineering Changes	-	-	14.326	-	-	0.177	-	-	0.298	-	-	0.141	-	-	-	-	-	0.141	
Systems Integration Engineering	-	-	8.988	-	-	4.045	-	-	0.380	-	-	0.656	-	-	-	-	-	0.656	
Program Management & Matrix Support	-	-	45.916	-	-	5.937	-	-	2.150	-	-	2.180	-	-	-	-	-	2.180	
Total Package Fielding	-	-	4.134	-	-	1.785	-	-	0.528	-	-	1.517	-	-	-	-	-	1.517	
Contract Logistics Support	-	-	8.512	-	-	0.571	-	-	0.750	-	-	0.121	-	-	-	-	-	0.121	
Air Warrior ECPs Supporting Air SS Rqmts	-	-	18.158	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

## UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2024 Army												Date: March 2023						
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 30						P-1 Line Item Number / Title: 6380AZ3110 / Aircrew Integrated Systems						Item Number / Title [DODIC]: AZ3110 / Aircrew Integrated 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 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Subtotal: Recurring Cost	-	-	424.513	-	-	41.425	-	-	25.773	-	-	22.097	-	-	-	-	-	22.097
Non Recurring Cost																		
Legacy/Air Wrrior Costs	-	-	564.701	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	564.701	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway Cost	-	-	989.214	-	-	41.425	-	-	25.773	-	-	22.097	-	-	-	-	-	22.097
Gross/Weapon System Cost	-	-	989.214	-	-	41.425	-	-	25.773	-	-	22.097	-	-	-	-	-	22.097
Remarks:																		
Unit Cost changes across the years reflect the different mix of subsystem components procured each year. The AirSS Airframe Kit subsystem component is a primary cost driver of the program and fluctuations in quantities in a fiscal year can substantially change the overall program Unit Cost. The AirSS Soldier Kit subsystem components, and associated platform installation costs, make up the other bulk of hardware procured under this program that can also change overall program Unit Cost based on quantities bought. The subsystem component quantities for each fiscal year are shown on the P-5 cost elements.																		
FY2023 to FY2024 Airframe and Soldier Kit subsystems unit cost increases due to addition of new components to Base system and contract pricing curves that adjust for inflation. Decreased funding results in not gaining pricing efficiencies due to smaller quantity of items being procured.																		
Secondary Distribution						FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total				
Army		Quantity				-		-		-		-		-				
		Total Obligation Authority				26.755		15.464		12.123		-		12.123				
ANG		Quantity				-		-		-		-		-				
		Total Obligation Authority				11.003		7.731		7.481		-		7.481				
AR		Quantity				-		-		-		-		-				
		Total Obligation Authority				3.667		2.578		2.493		-		2.493				
Total: Secondary Distribution		Quantity				-		-		-		-		-				
		Total Obligation Authority				41.425		25.773		22.097		-		22.097				

## UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support							<b>P-1 Line Item Number / Title:</b> 6818AA0050 / Air Traffic Control					
<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> 0604633A				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,726.800	21.759	27.492	21.216	-	21.216	11.405	11.492	11.492	11.467	-	1,843.123
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,726.800	21.759	27.492	21.216	-	21.216	11.405	11.492	11.492	11.467	-	1,843.123
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1,726.800</b>	<b>21.759</b>	<b>27.492</b>	<b>21.216</b>	<b>-</b>	<b>21.216</b>	<b>11.405</b>	<b>11.492</b>	<b>11.492</b>	<b>11.467</b>	<b>-</b>	<b>1,843.123</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<p><b>Description:</b></p> <p>The Tactical Airspace Integration System (TAIS) is the Army's program of record for Airspace Control (AC) and enroute Air Traffic Services (ATS). TAIS provides Airspace Management, planning, and dynamic execution capabilities at all echelons above Brigade, and enroute flight following air traffic services. TAIS is the only Army system with direct interface to the U.S. Air Force Air Operations Center (AOC) Weapon System for submission of the Army's requests for airspace from the Battlefield Coordination Detachment (BCD). Airspace Coordinating Measure Requests (ACMREQs) received from other mission command systems are passed to TAIS for approval or higher coordination. TAIS software supports U.S. Army commanders, airspace users, airspace managers, Army air traffic controllers, Joint organizations, and Unified Action Partners (UAP) by providing digitized, multi-echelon planning and execution of airspace management and Air Traffic Services. TAIS provides AC planning and enhanced AC execution; improved theater, intra-, and inter-Corps/Division Air Traffic Services (ATS) support; effective battlespace synchronization; and direct links to the Theater Air Ground System (TAGS) through interface with the automated airspace planning and communications systems of the Joint Force Air Component Commander (JFACC).</p> <p>TAIS Common Operating Environment (COE) convergence to Integrated Mission Planning and Airspace Control Tools (IMPACT) will provide interoperability with Army Mission Command, Joint, and UAP systems. This will facilitate AC capabilities, enhance situational understanding, reduce risks, and provide more effective Air-Ground Integration to enable Multi-Domain Operations (MDO), Joint All Domain Operations (JADO), and Joint All Domain Command and Control (JADC2). IMPACT will be instantiated across Command Post Computing Environment (CE), Mounted CE, and Mobile/Handheld CE and will extend AC services to the tactical edge.</p> <p>Funds in the Air Traffic Control (ATC) line support the acquisition of modernized Fixed-Base ATC systems that provide real time airspace management and control that will ensure safety of aircraft operations. These ATC systems are required to maintain compliance with civil, military, domestic, and international air traffic control and combat identification requirements in accordance with federal mandates for systems operating within and transitioning through the National Airspace (NAS) System.</p> <p>These airspace management systems align the Army in the comprehensive and cohesive effort to provide aviation security and defense of the US NAS in support of National Security Presidential Directive-47/ Homeland Security Presidential Directive-16 and the Strategy for Aviation Security, as described in Department of Defense Directive (DODD) 5030.19. Efforts include the Fixed Base systems, of which are the DoD Advanced Automation System (DAAS), the Digital Airport Surveillance Radar (DASR), and other navigational control aids that include the Army Airfield Automation System (AAAS), Interim Voice Switch Replacement (IVSR), Doppler VHF Omnidirectional Range (DVOR) system, NAS Voice Recorder (NVR), Precision Approach Radar (PAR2020), and the Instrument Landing System (ILS) Program. Systems in the Air Traffic Control (ATC) portfolio ensure the Army has sufficient access to the airspace and equipment necessary to meet worldwide operational, training, exercise, test, and evaluation requirements for peacetime, contingency, and wartime operations as well as, support of international civil and military cooperation in the effective and efficient management of the NAS.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2024 Army							Date: March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support					<b>P-1 Line Item Number / Title:</b> 6818AA0050 / Air Traffic Control					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A				Other Related Program Elements: 0604633A			
Line Item MDAP/MAIS Code: N/A										
Fixed Base Air Traffic Control requirements will be met through the application of new technology solutions and pre planned product improvement (P3I) of these systems resulting in highly reliable and safe Air Traffic Control systems in accordance with the Joint DoD/FAA program to modernize the National Airspace and the FAA Next Gen program.										
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	21.759	27.492	21.216	-	21.216	11.405	11.492	11.492	11.467
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	21.759	27.492	21.216	-	21.216	11.405	11.492	11.492	11.467



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Exhibit P-40, Budget Line Item Justification: PB 2024 Army								Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support						P-1 Line Item Number / Title: 6818AA0050 / Air Traffic Control				
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A			Other Related Program Elements: 0604633A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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	AA0050 / Air Traffic Control				- / 1,726.800	- / 21.759	- / 27.492	- / 21.216	- / -	- / 21.216
P-40	Total Gross/Weapon System Cost				- / 1,726.800	- / 21.759	- / 27.492	- / 21.216	- / -	- / 21.216
*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>FY 2024 Base procurement dollars in the amount of \$1.804 million funds TAIS/IMPACT software production and deployment to meet COE Operational Needs in capability drops to enable MDO, JADO and JADC2. This is critical to enable Air-Ground Integration, enhance interoperability, and increase commonality with Army Mission Command, COE convergence, MDO, JADO, and JADC2. Aviation is a critical enabler for MDO &amp; JADO; greater synchronization of airspace planning and dynamic execution by IMPACT will enable commanders to maximize airspace usage, increase freedom of maneuver, and enable seamless integration / deconfliction of fires and aviation operations in highly congested and complex environments. TAIS COE convergence to IMPACT is software-centric and hardware agnostic, thus eliminating the need for future hardware procurements.</p> <p>FY 2024 Base procurement dollars in the amount of \$9.413 million procures 11 DoD Advanced Automation System (DAAS) Generation 5 upgraded systems and the associated system site preparation and installation. DAAS systems display surveillance radar feeds provided by DoD and FAA radars enabling increased data and communications throughput necessary to manage airspace.</p> <p>FY 2024 Base procurement dollars in the amount of \$5.845 million procures 4 Digital Airport Surveillance Radar (DASR) systems and the associated system site preparation and installation. DASR systems provide integrated radar coverage, improved secondary detection capabilities, 6-level weather display, improved filtering, and false target reduction with full compatibility to the DAAS system.</p> <p>FY 2024 Base procurement dollars in the amount of \$2.468 million provides for Army Airfield Automation System software upgrades and Information Assurance and Vulnerability Assessment. AAAS systems consolidates weather data processing, emergency operational checklist, navigational charts, quick reference files, operator position, maintains ATC facility statistical data, and consolidates airfield monitoring, control and information management functions in an air traffic control facility on to a single display</p> <p>FY 2024 Base procurement dollars in the amount of \$1.686 million procures 14 National Airspace System Voice Recorder (NVR) systems and the associated site preparation and installation. The NVR system provides reliable, VOIP compatible, Air-to-Ground and Ground-to-Ground voice recording for use in accident /incident investigations, training, search &amp; rescue operations, and Freedom of Information Act (FOIA) request responses.</p> <p>The ATC portfolio of products ensures the Army meets DODD 5030.19 requirements as well as Federal Aviation Administration (FAA) and host nation airspace compliance agreements preventing loss of Army controlled airspace affecting airfields, heliports, and restricted areas impacting training and readiness. These systems prevent degradation of operations and safety of flight for both military and civil air traffic.</p> <p>In accordance with section 1815 of the FY 2008 National Defense Authorization Act P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.</p>										

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Exhibit P-5, Cost Analysis: PB 2024 Army													Date: March 2023							
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 30							P-1 Line Item Number / Title: 6818AA0050 / Air Traffic Control						Item Number / Title [DODIC]: AA0050 / Air Traffic Control							
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:										
Resource Summary				Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total	
Procurement Quantity (Units in Each)				-			-			-			-			-			-	
Gross/Weapon System Cost (\$ in Millions)				1,726.800			21.759			27.492			21.216			-			21.216	
Less PY Advance Procurement (\$ in Millions)				-			-			-			-			-			-	
Net Procurement (P-1) (\$ in Millions)				1,726.800			21.759			27.492			21.216			-			21.216	
Plus CY Advance Procurement (\$ in Millions)				-			-			-			-			-			-	
Total Obligation Authority (\$ in Millions)				1,726.800			21.759			27.492			21.216			-			21.216	
(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 Thousands)				-			-			-			-			-			-	
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																				
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total				
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)		
Flyaway Cost																				
Recurring Cost																				
Fixed Base Precision Approach Radar (FBPAR)	-	-	89.918	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
DoD Advanced Automation System (DAAS)	-	-	127.161	-	-	8.551	-	-	7.178	-	-	9.413	-	-	-	-	-	9.413		
Digital Airport Surveillance Radar(DASR)	-	-	87.525	-	-	-	-	-	4.883	-	-	5.845	-	-	-	-	-	5.845		
Tactical Airspace Integration Sys (TAIS)	-	-	471.598	-	-	2.555	-	-	6.997	-	-	1.804	-	-	-	-	-	1.804		
Air Traffic Navigation and Integration	-	-	450.272	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Navigational Control (AAAS, DVOR, NVS, NVR)	-	-	-	-	-	5.301	-	-	5.443	-	-	-	-	-	-	-	-	-		
Army Airfield Automation System (AAAS)	-	-	31.941	-	-	-	-	-	-	-	-	2.468	-	-	-	-	-	2.468		
Doppler VHF Omni-directional Range (DVOR)	-	-	5.082	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
National Airspace System Voice Switch (NVS)	-	-	79.387	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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Exhibit P-5, Cost Analysis: PB 2024 Army													Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 2031A / 04 / 30							P-1 Line Item Number / Title: 6818AA0050 / Air Traffic Control						Item Number / Title [DODIC]: AA0050 / Air Traffic Control					
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 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
National Airspace System Voice Recorder (NVR)	-	-	3.513	-	-	-	-	-	-	-	-	1.686	-	-	-	-	-	1.686
Tactical Terminal Control System (TTCS)	-	-	91.038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mobile Tower System (MOTS)	-	-	223.067	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ATC Common Simulator (ACS)	-	-	51.523	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Precision Approach Radar (PAR) 2020	-	-	10.773	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Instrument Landing System (ILS)	-	-	4.002	-	-	5.352	-	-	2.991	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	1,726.800	-	-	21.759	-	-	27.492	-	-	21.216	-	-	-	-	-	21.216
Subtotal: Flyaway Cost	-	-	1,726.800	-	-	21.759	-	-	27.492	-	-	21.216	-	-	-	-	-	21.216
Gross/Weapon System Cost	-	-	1,726.800	-	-	21.759	-	-	27.492	-	-	21.216	-	-	-	-	-	21.216
Secondary Distribution							FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total			
Army			Quantity				-		-		-		-		-			
			Total Obligation Authority				21.759		27.492		21.216		-		21.216			
Total: Secondary Distribution			Quantity				-		-		-		-		-			
			Total Obligation Authority				21.759		27.492		21.216		-		21.216			

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support							<b>P-1 Line Item Number / Title:</b> 9154A50100 / Launcher, 2.75 Rocket					
<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 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	102.587	-	1.275	2.125	-	2.125	-	-	-	-	-	105.987
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	102.587	-	1.275	2.125	-	2.125	-	-	-	-	-	105.987
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>102.587</b>	-	<b>1.275</b>	<b>2.125</b>	-	<b>2.125</b>	-	-	-	-	-	<b>105.987</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b>												
<p>The Aviation Rockets and Small Guided Munitions Product Office is the executive procurement agent for all services and Foreign Military customers for all variants of 2.75 Inch Hydra-70 Rocket Launchers. The M261 19-tube analog launcher and the M260 7-tube analog launcher are used to fire 2.75 Inch Hydra-70 Guided / Unguided Rockets from the following platforms: AH-64 Apache, H-60 Blackhawk, and Special Operations aircraft. The analog launchers are non-repairable, yet durable enough to withstand at least 16 rocket firings per tube before being discarded. The empty weight of the M260 analog launcher is approximately 35 pounds and the empty weight of the M261 analog launcher is approximately 82 pounds. The analog launcher permits fuze-timing selections from the cockpit and will launch guided / unguided rockets using either the MK40 or the MK66 motors. 2.75 Inch Rocket Launcher procurement funding supports the launcher system to include resolution of obsolescence, safety, reliability, weapon integration activities, test sets, engineering changes, and production issues.</p>												
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>		
Army	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	-	1.275	2.125	-	2.125	-	-	-	-		
<b>Total:</b> <b>Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-		
	<b>Total Obligation Authority</b>	-	<b>1.275</b>	<b>2.125</b>	-	<b>2.125</b>	-	-	-	-		
<b>Justification:</b>												
<p>FY 2024 Overseas Operation Cost (OOC) procurement dollars in the amount of \$2.125M will procure 85 M261 launchers for the Army in support of deployed units' ongoing military operations.</p> <p>"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities."</p>												