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

March 2023



Navy

Justification Book Volume 3 of 3

Aircraft Procurement, Navy

Budget Activities 06–07

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Navy • Budget Estimates FY 2024 • Procurement

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Department of Defense Appropriations Act, 2024

Aircraft Procurement, Navy

For construction, procurement, production, modification, and modernization of aircraft, equipment, including ordnance, spare parts, and accessories therefore; specialized equipment; expansion of public and private plants, including the land necessary therefore, 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, \$17,336,760,000 to remain available for obligation until September 30, 2026.

Fiscal Year (FY) 2024 Overseas Operations Costs funding accounted for in the Base budget total \$8,941,000.

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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)

<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, Navy	17,714,627	19,031,864		19,031,864	17,336,760
Total Department of the Navy	17,714,627	19,031,864		19,031,864	17,336,760
 Grand Total Department of Defense	 17,714,627	 19,031,864		 19,031,864	 17,336,760

*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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Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
Navy Summary
(Dollars in Thousands)

	FY 2022	FY 2023 Less	FY 2023	FY 2023 Total	FY 2024
<u>Appropriation Summary</u>	Actuals	Supplementals	Supplementals	Enactment	Request
		Enactment	Enactment*		
Aircraft Procurement, Navy	17,714,627	19,031,864		19,031,864	17,336,760
Total Department of the Navy	17,714,627	19,031,864		19,031,864	17,336,760

*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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Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
1506N BA Summary
(Dollars in Thousands)

Appropriation: Aircraft Procurement, Navy	FY 2022	FY 2023 Less	FY 2023	FY 2023 Total	FY 2024
	Actuals	Supplementals Enactment	Supplementals Enactment*	Enactment	Request
<u>Budget Activity</u>					
01. Combat aircraft	9,315,187	9,269,820		9,269,820	7,360,964
03. Trainer aircraft	163,490	227,617		227,617	289,141
04. Other aircraft	1,446,062	1,977,911		1,977,911	1,344,683
05. Modification of aircraft	3,579,320	4,336,956		4,336,956	4,692,040
06. Aircraft spares and repair parts	2,295,577	2,047,417		2,047,417	2,451,244
07. Aircraft support equipment and facilities	914,991	1,172,143		1,172,143	1,198,688
Total Aircraft Procurement, Navy	17,714,627	19,031,864		19,031,864	17,336,760

*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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Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
1506N Detail
(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy				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: Combat aircraft</u>									
Combat Aircraft									
1	F/A-18E/F (Fighter) Hornet	A	U	12	977,161	8	671,065		
2	Joint Strike Fighter CV	A	U	15	(2,369,128)	19	(2,633,561)		
	Less: Advance Procurement (PY)				(-280,204)		(-290,161)		
				15	2,088,924	19	2,343,400		
3	Joint Strike Fighter CV								
	Advance Procurement (CY)				185,695		182,376		
	C (FY 2022 for FY 2023) (M)				(185,695)				
	C (FY 2023 for FY 2024) (M)						(182,376)		
	C (FY 2024 for FY 2025) (M)								
4	JSF STOVL		U	17	(2,450,068)	15	(2,199,491)		
	Less: Advance Procurement (PY)				(-260,785)		(-301,314)		
				17	2,189,283	15	1,898,177		
5	JSF STOVL								
	Advance Procurement (CY)				216,814		200,118		
	C (FY 2022 for FY 2023) (M)				(216,814)				

*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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Department of the Navy
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Total Obligational Authority
1506N Detail
(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy

Line		Ident	Se	FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature	Code	c	Quantity	Cost	Quantity	Cost
Budget Activity 01: Combat aircraft							
Combat Aircraft							
1	F/A-18E/F (Fighter) Hornet	A	U	8	671,065	0	41,329
2	Joint Strike Fighter CV	A	U	19	(2,633,561)	19	(2,592,945)
	Less: Advance Procurement (PY)				(-290,161)		(-182,376)
				19	2,343,400	19	2,410,569
3	Joint Strike Fighter CV						
	Advance Procurement (CY)				182,376	0	189,425
	C (FY 2022 for FY 2023) (M)						
	C (FY 2023 for FY 2024) (M)				(182,376)		
	C (FY 2024 for FY 2025) (M)					0	(189,425)
4	JSF STOVL		U	15	(2,199,491)	16	(2,326,435)
	Less: Advance Procurement (PY)				(-301,314)		(-200,118)
				15	1,898,177	16	2,126,317
5	JSF STOVL						
	Advance Procurement (CY)				200,118	0	193,125
	C (FY 2022 for FY 2023) (M)						

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Department of the Navy
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Total Obligational Authority
1506N Detail
(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy				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 2023 for FY 2024) (M)						(200,118)		
	C (FY 2024 for FY 2025) (M)								
6	CH-53K (Heavy Lift)	A	U	11	(1,651,010)	12	(2,059,513)		
	Less: Advance Procurement (PY)				(-164,616)		(-182,903)		
				11	1,486,394	12	1,876,610		
7	CH-53K (Heavy Lift)								
	Advance Procurement (CY)				182,903		341,692		
	C (FY 2022 for FY 2023) (M)				(182,903)				
	C (FY 2023 for FY 2024) (M)						(341,692)		
	C (FY 2024 for FY 2025) (M)								
8	V-22 (Medium Lift)		U	12	(1,098,263)	5	(508,700)		
	Less: Advance Procurement (PY)				(-24,337)				
				12	1,073,926	5	508,700		
9	H-1 Upgrades (UH-1Y/AH-1Z)	A	U	0	935				
10	P-8A Poseidon	A	U	0	44,595		41,521		
11	E-2D Adv Hawkeye	A	U	5	(944,475)	7	(1,407,727)		
	Less: Advance Procurement (PY)				(-194,856)		(-201,566)		

*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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Department of the Navy
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Total Obligational Authority
1506N Detail
(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy

Line		Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature			Quantity	Cost	Quantity	Cost
	C (FY 2023 for FY 2024) (M)				(200,118)		
	C (FY 2024 for FY 2025) (M)					0	(193,125)
6	CH-53K (Heavy Lift)	A	U	12	(2,059,513)	15	(2,039,742)
	Less: Advance Procurement (PY)				(-182,903)		(-341,692)
				12	1,876,610	15	1,698,050
7	CH-53K (Heavy Lift)						
	Advance Procurement (CY)				341,692	0	456,567
	C (FY 2022 for FY 2023) (M)						
	C (FY 2023 for FY 2024) (M)				(341,692)		
	C (FY 2024 for FY 2025) (M)					0	(456,567)
8	V-22 (Medium Lift)		U	5	(508,700)	0	(27,216)
	Less: Advance Procurement (PY)						
				5	508,700	0	27,216
9	H-1 Upgrades (UH-1Y/AH-1Z)	A	U			0	4,292
10	P-8A Poseidon	A	U		41,521	0	31,257
11	E-2D Adv Hawkeye	A	U	7	(1,407,727)	0	(182,817)
	Less: Advance Procurement (PY)				(-201,566)		

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Total Obligational Authority
1506N Detail
(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy				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 ⁺
				5	749,619	7	1,206,161		
12	E-2D Adv Hawkeye								
	Advance Procurement (CY)				118,938				
	C (FY 2022 for FY 2023) (M)				(118,938)				
Total Combat aircraft				72	9,315,187	66	9,269,820		
<u>Budget Activity 03: Trainer aircraft</u>									
Trainer Aircraft									
13	Multi-Engine Training System (METS)	A	U			10	107,801		
14	Advanced Helicopter Training System	A	U	36	163,490	26	119,816		
Total Trainer aircraft				36	163,490	36	227,617		
<u>Budget Activity 04: Other aircraft</u>									
Other Aircraft									
15	KC-130J	A	U	6	(599,311)	5	(539,589)		
	Less: Advance Procurement (PY)				(-87,022)		(-100,088)		
				6	512,289	5	439,501		

*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
1506N Detail
(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy

Line		Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature			Quantity	Cost	Quantity	Cost
				7	1,206,161	0	182,817
12	E-2D Adv Hawkeye						
	Advance Procurement (CY)						
	C (FY 2022 for FY 2023) (M)						
Total Combat aircraft				66	9,269,820	50	7,360,964
 <u>Budget Activity 03: Trainer aircraft</u>							
 Trainer Aircraft							
13	Multi-Engine Training System (METS)	A	U	10	107,801	26	289,141
14	Advanced Helicopter Training System	A	U	26	119,816		
Total Trainer aircraft				36	227,617	26	289,141
 <u>Budget Activity 04: Other aircraft</u>							
 Other Aircraft							
15	KC-130J	A	U	5	(539,589)	2	(270,413)
	Less: Advance Procurement (PY)				(-100,088)		(-29,122)
				5	439,501	2	241,291

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Department of the Navy
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(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy				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 ⁺
16	KC-130J								
	Advance Procurement (CY)				68,088		29,122		
	C (FY 2022 for FY 2023) (M)				(68,088)				
	C (FY 2023 for FY 2024) (M)						(29,122)		
17	MQ-4 Triton	A	U	2	(483,151)	3	(584,192)		
	Less: Advance Procurement (PY)								
				2	483,151	3	584,192		
18	MQ-4 Triton								
	Advance Procurement (CY)						70,335		
	C (FY 2023 for FY 2024) (M)						(70,335)		
19	MQ-8 UAV	B	U	0	49,249				
20	STUASLO UAV		U	0	13,151		2,703		
21	MQ-25	A	U			1	(744,181)		
	Less: Advance Procurement (PY)						(-47,468)		
						1	696,713		
22	MQ-25								
	Advance Procurement (CY)				47,468		51,463		

*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
1506N Detail
(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy

Line		Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature			Quantity	Cost	Quantity	Cost
16	KC-130J						
	Advance Procurement (CY)				29,122		
	C (FY 2022 for FY 2023) (M)						
	C (FY 2023 for FY 2024) (M)				(29,122)		
17	MQ-4 Triton	A	U	3	(584,192)	2	(486,345)
	Less: Advance Procurement (PY)						(-70,335)
				3	584,192	2	416,010
18	MQ-4 Triton						
	Advance Procurement (CY)				70,335		
	C (FY 2023 for FY 2024) (M)				(70,335)		
19	MQ-8 UAV	B	U			0	1,546
20	STUASLO UAV		U		2,703		
21	MQ-25	A	U	1	(744,181)	3	(597,160)
	Less: Advance Procurement (PY)				(-47,468)		(-51,463)
				1	696,713	3	545,697
22	MQ-25						
	Advance Procurement (CY)				51,463	0	50,576

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Department of the Navy
FY 2024 President's Budget
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Total Obligational Authority
1506N Detail
(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line				Ident	Se				
No	Item	Nomenclature		Code	c	Quantity	Cost	Quantity	Cost
	C	(FY 2022 for FY 2023) (M)					(47,468)		
	C	(FY 2023 for FY 2024) (M)							(51,463)
	C	(FY 2024 for FY 2025) (M)							
23	Marine Group 5	UAS		A	U	8	272,666	5	103,882
Total Other aircraft						16	1,446,062	14	1,977,911

Budget Activity 05: Modification of aircraft**Modification of Aircraft**

24	F-18	A-D Unique		A	U	0	162,095		141,514
25	F-18E/F and EA-18G	Modernization and Sustainm		A	U	0	445,721		552,849
26	Marine Group 5	UAS Series		A	U	0	1,982		86,116
27	AEA	Systems			U	0	20,221		25,058
28	AV-8	Series		A	U	0	14,626		26,657
29	Infrared Search and Track	(IRST)		A	U	0	120,377		121,039
30	Adversary			A	U	0	137,875		105,188

*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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Department of the Navy
FY 2024 President's Budget
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Total Obligational Authority
1506N Detail
(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
	C (FY 2022 for FY 2023) (M)						
	C (FY 2023 for FY 2024) (M)				(51,463)		
	C (FY 2024 for FY 2025) (M)					0	(50,576)
23	Marine Group 5 UAS	A	U	5	103,882	5	89,563
Total Other aircraft				14	1,977,911	12	1,344,683

Budget Activity 05: Modification of aircraft

Modification of Aircraft

24	F-18 A-D Unique	A	U		141,514	0	116,551
25	F-18E/F and EA-18G Modernization and Sustainm	A	U		552,849	0	605,416
26	Marine Group 5 UAS Series	A	U		86,116	0	98,063
27	AEA Systems		U		25,058	0	24,110
28	AV-8 Series	A	U		26,657	0	22,829
29	Infrared Search and Track (IRST)	A	U		121,039	0	179,193
30	Adversary	A	U		105,188	0	69,336

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Department of the Navy
FY 2024 President's Budget
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(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy				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 ⁺
31	F-18 Series	A	U	0	327,000		461,118		
32	H-53 Series	A	U	0	108,415		40,151		
33	MH-60 Series	A	U	0	94,708		136,238		
34	H-1 Series	A	U	0	118,778		122,498		
35	EP-3 Series	A	U	0	28,848		8,492		
36	E-2 Series	A	U	0	199,869		188,897		
37	Trainer A/C Series	A	U	0	7,849		9,568		
38	C-2A	A	U	0	2,843				
39	C-130 Series	A	U	0	103,539		132,170		
40	FEWSG	A	U	0	734		695		
41	Cargo/Transport A/C Series	A	U	0	5,371		10,902		
42	E-6 Series	A	U	0	113,247		129,049		

*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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Department of the Navy
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1506N Detail
(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy

Line		Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature			Quantity	Cost	Quantity	Cost
31	F-18 Series	A	U		461,118	0	640,236
32	H-53 Series	A	U		40,151	0	41,414
33	MH-60 Series	A	U		136,238	0	106,495
34	H-1 Series	A	U		122,498	0	114,284
35	EP-3 Series	A	U		8,492	0	8,548
36	E-2 Series	A	U		188,897	0	183,246
37	Trainer A/C Series	A	U		9,568	0	16,376
38	C-2A	A	U				
39	C-130 Series	A	U		132,170	0	198,220
40	FEWSG	A	U		695	0	651
41	Cargo/Transport A/C Series	A	U		10,902	0	13,930
42	E-6 Series	A	U		129,049	0	164,571

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(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy				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 ⁺
43	Executive Helicopters Series	A	U	0	40,158		55,265		
44	T-45 Series	A	U	0	155,366		199,356		
45	Power Plant Changes	A	U	0	28,923		24,685		
46	JPATS Series	A	U	0	20,958		19,780		
47	Aviation Life Support Mods	A	U	0	2,416		1,143		
48	Common ECM Equipment	A	U	0	118,071		118,122		
49	Common Avionics Changes	A	U	0	102,861		128,120		
50	Common Defensive Weapon System	A	U	0	5,422		6,373		
51	ID Systems	A	U	0	13,100		3,828		
52	P-8 Series		U	0	115,940		241,987		
53	MAGTF EW for Aviation	A	U	0	29,149		24,684		
54	MQ-8 Series		U	0	31,566		9,846		

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Appropriation: 1506 Aircraft Procurement, Navy

Line		Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature			Quantity	Cost	Quantity	Cost
43	Executive Helicopters Series	A	U		55,265	0	60,498
44	T-45 Series	A	U		199,356	0	170,357
45	Power Plant Changes	A	U		24,685	0	21,079
46	JPATS Series	A	U		19,780	0	28,005
47	Aviation Life Support Mods	A	U		1,143		
48	Common ECM Equipment	A	U		118,122	0	53,614
49	Common Avionics Changes	A	U		128,120	0	136,199
50	Common Defensive Weapon System	A	U		6,373	0	6,585
51	ID Systems	A	U		3,828	0	13,085
52	P-8 Series		U		241,987	0	316,168
53	MAGTF EW for Aviation	A	U		24,684	0	24,901
54	MQ-8 Series		U		9,846	0	14,700

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Department of the Navy
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(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy				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 ⁺
55	V-22 (Tilt/Rotor ACFT) Osprey	B	U	0	250,512		233,128		
56	Next Generation Jammer (NGJ)	A	U	0	255,393		463,146		
57	F-35 STOVL Series	A	U	0	161,776		189,528		
58	F-35 CV Series	A	U	0	118,933		173,349		
59	QRC	A	U	0	93,563		47,864		
60	MQ-4 Series	A	U	0	7,046		91,977		
61	RQ-21 Series	A	U	0	14,069		6,576		
Total Modification of aircraft				0	3,579,320		4,336,956		
 <u>Budget Activity 06: Aircraft spares and repair parts</u>									
 Aircraft Spares and Repair Parts									
62	Spares and Repair Parts	A	U	0	2,295,577		2,047,417		
Total Aircraft spares and repair parts				0	2,295,577		2,047,417		

Budget Activity 07: Aircraft support equipment and facilities

*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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Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
1506N Detail
(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
55	V-22 (Tilt/Rotor ACFT) Osprey	B	U		233,128	0	215,997
56	Next Generation Jammer (NGJ)	A	U		463,146	0	426,396
57	F-35 STOVL Series	A	U		189,528	0	311,921
58	F-35 CV Series	A	U		173,349	0	166,909
59	QRC	A	U		47,864	0	28,206
60	MQ-4 Series	A	U		91,977	0	93,951
61	RQ-21 Series	A	U		6,576		
Total Modification of aircraft					4,336,956	0	4,692,040

Budget Activity 06: Aircraft spares and repair parts

Aircraft Spares and Repair Parts

62	Spares and Repair Parts	A	U		2,047,417	0	2,451,244
Total Aircraft spares and repair parts					2,047,417	0	2,451,244

Budget Activity 07: Aircraft support equipment and facilities

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Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
1506N Detail
(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy				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 ⁺
Aircraft Support Equip & Facilities									
63	Common Ground Equipment	A	U	0	497,362		528,433		
64	Aircraft Industrial Facilities	A	U	0	80,500		101,559		
65	War Consumables	A	U	0	42,431		40,316		
66	Other Production Charges	A	U	0	21,374		46,403		
67	Special Support Equipment	A	U	0	271,774		455,432		
68	Judgment Fund	A	U	0	1,453				
69	Cancelled Account Adjustments	A	U	0	97				
Total Aircraft support equipment and facilities				0	914,991		1,172,143		
Total Aircraft Procurement, Navy				124	17,714,627	116	19,031,864		

*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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Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
1506N Detail
(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy

Line		Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature			Quantity	Cost	Quantity	Cost
Aircraft Support Equip & Facilities							
63	Common Ground Equipment	A	U		528,433	0	566,156
64	Aircraft Industrial Facilities	A	U		101,559	0	133,815
65	War Consumables	A	U		40,316	0	44,632
66	Other Production Charges	A	U		46,403	0	49,907
67	Special Support Equipment	A	U		455,432	0	404,178
68	Judgment Fund	A	U				
69	Cancelled Account Adjustments	A	U				
Total Aircraft support equipment and facilities					1,172,143	0	1,198,688
Total Aircraft Procurement, Navy				116	19,031,864	88	17,336,760

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)

<u>Appropriation Summary</u>	FY 2023	FY 2024
	Overseas Operations Costs (OOC) *	Overseas Operations Costs (OOC) *
Aircraft Procurement, Navy	5,823	8,941
Total Department of the Navy	5,823	8,941
Grand Total Department of Defense	5,823	8,941

*FY 2023 and FY 2024 Overseas Operations Costs (OOC) numbers are a subset of the baseline submission.

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

<u>Appropriation Summary</u>	FY 2023	FY 2024
	Overseas Operations Costs (OOC) *	Overseas Operations Costs (OOC) *
Aircraft Procurement, Navy	5,823	8,941
Total Department of the Navy	5,823	8,941

*FY 2023 and FY 2024 Overseas Operations Costs (OOC) numbers are a subset of the baseline submission.

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Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
1506N BA Summary
(Dollars in Thousands)

Appropriation: **Aircraft Procurement, Navy**

	FY 2023 Overseas Operations Costs (OOC) *	FY 2024 Overseas Operations Costs (OOC) *
<u>Budget Activity</u>		
05. Modification of aircraft	5,823	8,941
Total Aircraft Procurement, Navy	5,823	8,941

*FY 2023 and FY 2024 Overseas Operations Costs (OOC) numbers are a subset of the baseline submission.

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Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
1506N Detail
(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy				FY 2023 Overseas Operations Costs (OOC)		FY 2024 Overseas Operations Costs (OOC)	
Line		Ident	Se				
No	Item Nomenclature	Code	c	Quantity	Cost*	Quantity	Cost*
<u>Budget Activity 05: Modification of aircraft</u>							
Modification of Aircraft							
35	EP-3 Series	A	U		5,823	0	3,931
59	QRC	A	U			0	5,010
Total Modification of aircraft					5,823	0	8,941
Total Aircraft Procurement, Navy					5,823	0	8,941

*FY 2023 and FY 2024 Overseas Operations Costs (OOC) numbers are a subset of the baseline submission.

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2	01	01	0147	Joint Strike Fighter CV.....	Volume 1 - 13
3	01	01	0147	Joint Strike Fighter CV, Advance Procurement.....	Volume 1 - 35
4	01	01	0152	JSF STOVL.....	Volume 1 - 41
5	01	01	0152	JSF STOVL, Advance Procurement.....	Volume 1 - 55
6	01	01	0158	CH-53K (Heavy Lift).....	Volume 1 - 61
7	01	01	0158	CH-53K (Heavy Lift), Advance Procurement.....	Volume 1 - 77
8	01	01	0164	V-22 (Medium Lift).....	Volume 1 - 85
9	01	01	0178	UH-1Y/AH-1Z.....	Volume 1 - 103
10	01	01	0193	P-8A Poseidon.....	Volume 1 - 109
11	01	01	0195	E-2D AHE.....	Volume 1 - 119
12	01	01	0195	E-2D AHE, Advance Procurement.....	Volume 1 - 131

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Appropriation 1506N: Aircraft Procurement, Navy

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16	04	01	0416	KC-130J, Advance Procurement.....	Volume 1 - 163
17	04	01	0442	MQ-4 TRITON.....	Volume 1 - 169
18	04	01	0442	MQ-4 TRITON, Advance Procurement.....	Volume 1 - 185
19	04	01	0443	MQ-8 UAV.....	Volume 1 - 191
20	04	01	0444	STUASLO.....	Volume 1 - 195
21	04	01	0449	MQ-25.....	Volume 1 - 201
22	04	01	0449	MQ-25, Advance Procurement.....	Volume 1 - 213
23	04	01	0452	Marine Group 5 UAS.....	Volume 1 - 217

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Appropriation 1506N: Aircraft Procurement, Navy

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27	05	01	0513	AEA Systems.....	Volume 2 - 89
28	05	01	0514	AV-8 Series.....	Volume 2 - 97
29	05	01	0515	Infrared Search and Track (IRST).....	Volume 2 - 113
30	05	01	0522	Adversary.....	Volume 2 - 119
31	05	01	0525	F-18 Series.....	Volume 2 - 147
32	05	01	0528	H-53 Series.....	Volume 2 - 227
33	05	01	0530	MH-60 Series.....	Volume 2 - 263
34	05	01	0532	H-1 Series.....	Volume 2 - 297
35	05	01	0537	EP-3 Series.....	Volume 2 - 321
36	05	01	0544	E-2 Series.....	Volume 2 - 331
37	05	01	0549	Trainer Acft Series.....	Volume 2 - 377
38	05	01	0556	C-2A.....	Volume 2 - 401
39	05	01	0560	C-130 Series.....	Volume 2 - 415

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Appropriation 1506N: Aircraft Procurement, Navy

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43	05	01	0566	Executive Helicopters Series.....	Volume 2 - 523
44	05	01	0569	T-45 Series.....	Volume 2 - 543
45	05	01	0570	Power Plant Changes.....	Volume 2 - 583
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47	05	01	0575	Aviation Life Support Mods.....	Volume 2 - 609
48	05	01	0576	Common ECM Equipment.....	Volume 2 - 623
49	05	01	0577	Common Avionics Changes.....	Volume 2 - 651
50	05	01	0581	Common Defensive Weapon System.....	Volume 2 - 687
51	05	01	0582	ID Sys.....	Volume 2 - 695
52	05	01	0586	P-8 Series.....	Volume 2 - 701
53	05	01	0587	MAGTF EW for Aviation.....	Volume 2 - 721
54	05	01	0588	MQ-8 Series.....	Volume 2 - 729
55	05	01	0590	V-22 (Tilt/Rotor Acft) Osprey.....	Volume 2 - 751
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57	05	01	0592	F-35 STOVL Series.....	Volume 2 - 807

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Appropriation 1506N: Aircraft Procurement, Navy

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59	05	01	0595	QRC.....	Volume 2 - 883
60	05	01	0596	MQ-4 Series.....	Volume 2 - 885
61	05	01	0598	RQ-21 Series.....	Volume 2 - 909

Appropriation 1506N: Aircraft Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
62	06	01	0605	Spares and Repair Parts.....	Volume 3 - 1

Appropriation 1506N: Aircraft Procurement, Navy

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64	07	01	0715	Aircraft Industrial Facilities.....	Volume 3 - 61
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AV-8 Series	0514	28	05	01.....	Volume 2 - 97
Advanced Helicopter Training System	0344	14	03	01.....	Volume 1 - 143
Adversary	0522	30	05	01.....	Volume 2 - 119
Aircraft Industrial Facilities	0715	64	07	01.....	Volume 3 - 61
Aviation Life Support Mods	0575	47	05	01.....	Volume 2 - 609
C-130 Series	0560	39	05	01.....	Volume 2 - 415
C-2A	0556	38	05	01.....	Volume 2 - 401
CH-53K (Heavy Lift)	0158	6	01	01.....	Volume 1 - 61
CH-53K (Heavy Lift), Advance Procurement	0158	7	01	01.....	Volume 1 - 77
Cancelled Account Adjustments	0790	69	07	01.....	Volume 3 - 91
Cargo/Transport Acft Series	0562	41	05	01.....	Volume 2 - 455
Common Avionics Changes	0577	49	05	01.....	Volume 2 - 651
Common Defensive Weapon System	0581	50	05	01.....	Volume 2 - 687
Common ECM Equipment	0576	48	05	01.....	Volume 2 - 623
Common Ground Equipment	0705	63	07	01.....	Volume 3 - 11
E-2 Series	0544	36	05	01.....	Volume 2 - 331

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EP-3 Series	0537	35	05	01.....	Volume 2 - 321
Executive Helicopters Series	0566	43	05	01.....	Volume 2 - 523
F-18 A-D Unique	0502	24	05	01.....	Volume 2 - 1
F-18 Series	0525	31	05	01.....	Volume 2 - 147
F-18E/F and EA-18G Modernization and Sustainment	0505	25	05	01.....	Volume 2 - 41
F-35 CV Series	0593	58	05	01.....	Volume 2 - 845
F-35 STOVL Series	0592	57	05	01.....	Volume 2 - 807
FA-18E/F	0145	1	01	01.....	Volume 1 - 1
Flt Elect Wrfr Supt Grp (FEWSG)	0561	40	05	01.....	Volume 2 - 449
H-1 Series	0532	34	05	01.....	Volume 2 - 297
H-53 Series	0528	32	05	01.....	Volume 2 - 227
ID Sys	0582	51	05	01.....	Volume 2 - 695
Infrared Search and Track (IRST)	0515	29	05	01.....	Volume 2 - 113
JSF STOVL	0152	4	01	01.....	Volume 1 - 41
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MAGTF EW for Aviation	0587	53	05	01.....	Volume 2 - 721
MH-60 Series	0530	33	05	01.....	Volume 2 - 263
MQ-25	0449	21	04	01.....	Volume 1 - 201
MQ-25, Advance Procurement	0449	22	04	01.....	Volume 1 - 213
MQ-4 Series	0596	60	05	01.....	Volume 2 - 885
MQ-4 TRITON	0442	17	04	01.....	Volume 1 - 169
MQ-4 TRITON, Advance Procurement	0442	18	04	01.....	Volume 1 - 185
MQ-8 Series	0588	54	05	01.....	Volume 2 - 729
MQ-8 UAV	0443	19	04	01.....	Volume 1 - 191
Marine Group 5 UAS	0452	23	04	01.....	Volume 1 - 217
Marine Group 5 UAS Series	0507	26	05	01.....	Volume 2 - 77
Multi-Engine Training System (METS)	0343	13	03	01.....	Volume 1 - 135
Next Generation Jammer (NGJ)	0591	56	05	01.....	Volume 2 - 799
Other Production Charges	0725	66	07	01.....	Volume 3 - 81
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RQ-21 Series	0598	61	05	01.....	Volume 2 - 909
STUASLO	0444	20	04	01.....	Volume 1 - 195
Spares and Repair Parts	0605	62	06	01.....	Volume 3 - 1
T-45 Series	0569	44	05	01.....	Volume 2 - 543
Trainer Acft Series	0549	37	05	01.....	Volume 2 - 377
UH-1Y/AH-1Z	0178	9	01	01.....	Volume 1 - 103
V-22 (Medium Lift)	0164	8	01	01.....	Volume 1 - 85
V-22 (Tilt/Rotor Acft) Osprey	0590	55	05	01.....	Volume 2 - 751
War Consumables	0720	65	07	01.....	Volume 3 - 69

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 06: Aircraft Spares and Repair Parts / BSA 1: Aircraft Spares and Repair Parts							P-1 Line Item Number / Title: 0605 / Spares and Repair Parts					
ID Code (A=Service Ready, B=Not Service Ready): A				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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	2,295.577	2,047.417	2,451.244	0.000	2,451.244	1,832.522	1,690.871	1,601.312	1,822.090	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	2,295.577	2,047.417	2,451.244	0.000	2,451.244	1,832.522	1,690.871	1,601.312	1,822.090	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	2,295.577	2,047.417	2,451.244	0.000	2,451.244	1,832.522	1,690.871	1,601.312	1,822.090	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 Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:
 All aviation spares requirements are developed using accredited sparing models. APN-6 is a "follower" account providing spares for end-items and modifications procured under APN Budget Activities (BA)s 1-5 and 7, and follows program changes in end-item quantities, basing scenarios, installation schedules, and maintenance data.

The Initial spares category includes all repairable and consumable allowances to support the quantity and Type/Model/Series (T/M/S) of aircraft and aircraft systems in new procurement, during Interim Contractor Support (ICS) to support the Repair of Repairables (ROR) prior to Material Support Date (MSD) and to support aircraft modifications.

Initial spares supporting aircraft procured under APN BA-1 through BA-4 are based on the number of aircraft being procured, basing plans, flying hours, maintenance data, and additional data elements derived from the Weapon System Planning Document and Aircraft Program Data File that are used as input parameters for the Readiness Based Sparing model and the Retail Inventory Model for Aviation for the determination of spare engine requirements. Spare engines and engine modules are procured under Initial spares during the production of the aircraft and do not transition to the Navy Working Capital Fund (NWCF).

The Initial spares category funds the ROR (9401) via contractor support, prior to the MSD, at which time repairs are turned over to the organic depots.

Modification spares (9504) follow the APN BA-5 Modification budget for all T/M/S supporting various Engineering Change Proposals (ECPs) and Operational Safety Improvement Program (OSIP) initiatives.

Spares for Aircraft Support Equipment and Facilities follow the APN BA-7 budget for all T/M/S providing spares for training devices and support equipment (0720 and 9705-9709).

Replenishment spares shipping containers (9710), T-38 Adversary Aircraft Spares (9711) and Headquarters Replenishment for various programs (9712) such as E-6B, manned recon programs and cargo/passenger transportation aircraft. Due to the nature of Adversary and Headquarters Replenishment programs, spares are procured with APN-6 for the life of the program and are not transferred to the Navy Working Capital Funds (NWCF).

The Replenishment category also funds the Aviation Outfitting Account for Repairables (AOA) (9713) and Aviation Outfitting Account for Consumables (ACA) (9714) for initial sparing allowances and range/depth increases onboard operational CVNs, Forward Deployed Naval Forces and Continental United States Naval Aviation Shore Commands.

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy		Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 06: Aircraft Spares and Repair Parts / BSA 1: Aircraft Spares and Repair Parts		P-1 Line Item Number / Title: 0605 / Spares and Repair Parts	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A		Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A			
The Outfitting spares element of the budget is comprised of the Aviation Outfitting Account (AOA), which sources spares utilizing Defense Working Capital Fund and NWCF. Successful execution of AOA and meeting Fleet requirements depends heavily on the synchronization between NWCF Buy-In (long lead-time procurement) and APN-6 Buy-Out which requires stable funding levels for both accounts. AOA/ACA fills Aviation and Shore Consolidated Allowances Lists (AVCAL/SHORCAL) and are integral in providing sustainment requirements that maintain operational and wartime readiness for fielded systems such as F/A-18, H-1, E-2, V-22, P-8, H-60, MQ-4, and Common Avionics while deployed aboard CVNs and aviation shore sites. AOA/ACA funding also supports improved aviation operational readiness across the Fleet by providing immediate-fill, point-of-use spare parts needed to fix aircraft in a down status and mitigate long shipping lead-times.			

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy								Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 06: Aircraft Spares and Repair Parts / BSA 1: Aircraft Spares and Repair Parts					P-1 Line Item Number / Title: 0605 / Spares and Repair Parts					
ID Code (A=Service Ready, B=Not Service Ready): A				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-18	APN spares				- / -	- / 2,295.577	- / 2,047.417	- / 2,451.244	- / -	- / 2,451.244
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 2,295.577	- / 2,047.417	- / 2,451.244	- / 0.000	- / 2,451.244
Title represents the P-18 Title for Spares.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

Justification:

Aviation sparing supports the Chief of Naval Operations' (CNO) strategy to strengthen naval power at and from the sea by maintaining and modernizing a Navy and Marine Corps partnered fleet that is trained and ready to operate and fight decisively in an information domain and across the competition spectrum. Aviation sparing provides the initial plane-side spare and repair parts per authorized allowance listings to support the sustainment of naval aviation platforms for force generation and employment requirements in response to combatant commander needs.

FY24 funding levels represent a strategic investment for the Navy's Readiness as a top priority to properly sustain the future readiness needs of the Airwing of the Future while concurrently sustaining the readiness of today's afloat deployers and shore stations. The FY24 resourcing level funds the current year's Fleet requirements while reducing the "holes on shelves" from previously unfunded requirements that continue to roll over into the next fiscal year until fully funded.

Navy is making strategic investments in additional range and depth of spares onboard CVNs to increase deployed aviation readiness (mission capable rates). In addition, increasing spares onboard deployed CVNs will increase the CVN's time on station and self-reliance while reducing the logistics burden in a contested logistics environment. Due to supplier lead times, spares investments are required today in order to be prepared to operate and succeed in future conflict.

Initial contractor spares, engine spares, and Peculiar Support Equipment (PSE) spares are major cost drivers as new T/M/S continue to be introduced, procured, and modified for technological improvements. Aviation spares support changes to basing plans and required support packages. AVCAL/SHORCAL funding enables maximized employment for Carrier Air Wings/Marine Aircraft Group squadrons to train and deploy with minimal Non Mission Capable, Supply (NMCS) impacts to readiness. The aviation spares budget further supports the Secretary of Defense's strategy to improve warfighting readiness by addressing urgent warfighting readiness shortfalls.

(1) Initial Spares:

FY2024 Initial spares funding includes required support of the following aircraft platforms:

Joint Strike Fighter (JSF) Carrier Variant (CV) (0147) and Short Takeoff and Vertical Landing (STOVL) (0152) FY2024 supports the necessary production lead time for procurement of initial engine spares for Propulsion fleet sustainment of newly produced aircraft in Lot 16. Funds for JSF STOVL and JSF CV support Initial Operational Capability (IOC), meet parts availability, resupply response times, and maintenance requirements in order to maintain progress towards Full Operational Capability (FOC). The funding will ensure procurement of proper levels for the spares included in Afloat Spares Packages, Deployed Spares Packages, Base Spares Packages, and the Navy and Marine Corps share of the JSF Global Spares Pool (GSP). The GSP is a foundational tenet of this joint program, whereby the Air Force, Navy, Marine Corps, and seven international countries and seven Foreign Military Sales (FMS) partners share the cost of spares, eliminating the need for each individual entity to procure their own full depth and range of spares. These initial spares and repair parts are critical to meeting sustainment milestones for all partners.

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 06: Aircraft Spares and Repair Parts / BSA 1: Aircraft Spares and Repair Parts		P-1 Line Item Number / Title: 0605 / Spares and Repair Parts
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
CH-53K (0158) FY2024 funding increase from \$20M in FY2023 to \$58M in FY2024 is required to build range and depth of T408 engine spares and spare parts along with Peculiar Support Equipment (PSE) commensurate with growing CH-53K inventory and minimum sparing level required for Full-Rate Production Review (FRP) decision. FY2024 spares procurements will enable the program to remain on track to fully support deployed flight operations in the Fleet. V-22 (0164) FY2024 funding increase from \$26M in FY2023 to \$31M in FY2024 is required for MV/CMV spare engines and engine components to support MV-22 (Marine Corps variant) aircraft as well as CMV-22B (Navy variant) stand up at shore base and shipboard locations. Additional CMV contractor spares are required for procurement of modified #4 and #5 Wing Auxiliary Fuel Tanks and breakaway valves, which have experienced material failures exceeding Original Equipment Manufacturer engineering estimates. Lack of spare auxiliary fuel tanks will restrict aircraft range and ability to effectively provide logistics support to the deployed Carrier Strike Group and embarked Carrier Air Wing. P-8A (0193) Funding increase from 85K in FY2023 to \$57M in FY2024 supports Engine Spares procurement for the CFM56-7B27 Engine which includes the bare engine and the engine build up kit that provides the necessary parts for installation to the aircraft. Current engine inventory is short due to the FY2021 increase of the Program of Record (with 11 more aircraft in the inventory since the last spare model was run) and demonstrated time on wing of 6,000 hours compared to the projected time on wing of 10,000 hours based on commercial use and models. E-2D AHE (0195) FY2024 funding is required for spare components aligned to the APN-1 aircraft procurements. Funding is required to improve/maintain fleet mission capable rates and readiness goals, further serving as the first line of material defense in delivering operational availability to the airborne Command and Control (C2), Early Warning platform for the Carrier Air Wing. Joint Primary Aircraft Training System (JPATS) (0339) Combined contractor spares and engine funding increase from \$5M in FY2023 to \$9M in FY2024 to support T-6 Trainer aircraft engine and propeller spares procurement. Current engine inventory shortage is due to aircraft mishaps in FY2021 and increased overhaul requirements. Propellers are failing at a much higher rate than originally anticipated by the T-6 program. Additional assets are required to meet pilot production goals for Fleet Replacement Squadrons. Multi-Engine Trainer System (METS) (0343) Combined engine and contractor spares increase from \$13M in FY2023 to \$28M in FY2024. Funding increase aligns initial engine and contractor spares to the APN-3 procurement for the multi-engine aircraft trainer replacing the T-44. These spares are contractually tied to the award of the production contract. These spares are critical to supporting initial aircraft deliveries in order to support pilot production and meet IOC in first quarter FY2025. KC-130J (0416) FY2024 provides for one (1) initial spares site standup for contractor spares and five (5) Quick Engine Change Kits (QECKs) AE2100 engines for Quick Engine Change Assembly (QECA) engine spares as well as 7 propellers. Marine Group 5 UAS (0452) increase funds designated Contractor Spares, Engines, Peculiar Support Equipment (PSE) in support of the Medium Altitude Long Endurance (MALE) capability. Funding supports parts availability at point of use, mitigates resupply response times, and the accomplishment of maintenance requirements for both MALE Increment I (Air Vehicle) and II (Mission Systems). FY2024 supports the procurement of deployment spares packages and base spares requirements for both increments. Repair of Repairables (ROR) (9401) Funding increase from \$45M in FY2023 to \$65M in FY2024 provides repair of new parts for pre-MSD platforms and systems such as MQ-4 TRITON, F/A-18E/F Block III, E-2D, P-8A, Common Avionics (i.e. Multi-Functional Information Distribution System (MIDS)/Joint Tactical Terminal Receiver (JTRS)/Tactical Targeting Network (TTNT), ARC-210 Gen 6, etc.), KC-130J, Manned Reconnaissance, and CH-53K. The drivers of the increase in funding is associated with repair requirements for MQ-4 Integrated Functional Capability (IFC) 4.0 upgrade, F/A-18 E/F introduction of Trailing Edge Flap R2, and Common Avionics accelerated install schedule to ensure full repair coverage availability through MSD. Spares for Modifications (9504) FY2024 funding supports modification and capability upgrades for platforms and systems such as AV-8B, E-2 Series, FA-18 series, Infrared Search and Track (IRST), JPATS, Next Generation Jammer Mid Band (NGJ-MB), MQ-8 Firescout, MIDS, Trainer Aircraft Series, C-130 Series, E-6 Series, VH-92A, H-1 Series, Manned Reconnaissance Systems, P-8 Series, V-22, Adversary F-16, and Common Avionics. NGJ-MB and Common Electronic Countermeasures (ECM) experienced the most significant funding increases from FY2023 to FY2024: NGJ-MB increased from \$68M to \$85M and Common ECM increased from \$14M to \$46M. War Consumables (0720) - FY2024 funding is associated with contractor spares for bomb rack requirements to support the Small Diameter Bomb II (SDB) on F-35B and F-35C.		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy		Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 06: Aircraft Spares and Repair Parts / BSA 1: Aircraft Spares and Repair Parts		P-1 Line Item Number / Title: 0605 / Spares and Repair Parts	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A		Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A			
Aircraft Support Equipment and Facilities FY2024 funding provides initial spares for Training Devices (9705), Common Support Equipment (CSE) (9707), Consolidated Automated Support System (CASS) (9708) and Tactical Combat Training System (TCTS) (9709). Funding supports training and operational spares requirements across Naval Aviation. (2) Replenishment: Spares for 6K (Cog) (9710) FY2024 funding correlates to container requirements to the spares being procured. The requirements are prioritized to identify critical shipping container procurements. Spares for Adversary (9711) FY2024 funding supports US Naval Test Pilot School (TPS) aircraft. Spares for HQ Replenishment (9712) FY2024 funding supports VH-92A Executive Helicopter, Direct Support Squadron (DSS), E-6B, Project Beartrap, and Manned Reconnaissance replenishment spares. VH-92A Executive Helicopter Integrated Maintenance Concept (IMC) scheduled events require spares inventory to maintain required readiness levels to support world-wide Presidential Support Detachments and executive lift commitments. AOA Repairables (9713) resides within the outfitting account and experienced a funding increase from \$796M in FY2023 to \$1,319M in FY2024. ACA Consumables (9714) also resides in the outfitting account. AOA increases are attributed to the Navy's pursuit of the AVCAL Wholeness/Order Ship Time-42 readiness initiative to increase CVN material range and depth to an actual Fleet observed material replenishment shipping time of 42 days instead of the previously estimated 10 days, allowing longer on-station periods and supporting sustained flight operations while on scheduled deployments to any geographic area of responsibility and decisively win any conflict. The FY 2024 request specifically funds the upgrade to AVCAL Wholeness standards for 2x CVN AVCALs and 1x USMC Marine Air Wing AVCAL, enabling improved readiness for deployed air wings. MQ-4 (9713) funding increased from \$149M in FY2023 to \$233M in FY2024 due to increased tails (+4 aircraft). OOC: FY 2022 includes \$19.754M in OOC execution.			

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2024 Navy					Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 06 / 1		P-1 Line Item Number / Title: 0605 / Spares and Repair Parts			Title: APN spares	
End Item Line Item Number / Name [MDAP/MAIS]	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)	FY 2024 Base (\$ M)	FY 2024 OCO (\$ M)	FY 2024 Total (\$ M)
Initial						
BA 01 - Combat Aircraft						
0145 / FA-18E/F	-	39.125	22.358	0.000	-	0.000
0147 / Joint Strike Fighter CV	-	128.863	91.309	78.742	-	78.742
0152 / JSF STOVL	-	197.028	137.951	92.716	-	92.716
0158 / CH-53K (Heavy Lift)	-	163.577	19.666	58.432	-	58.432
0164 / V-22 (Medium Lift)	-	15.627	26.461	30.562	-	30.562
0193 / P-8A Poseidon	-	0.175	0.085	56.711	-	56.711
0195 / E-2D AHE	-	2.665	6.416	3.984	-	3.984
BA 03 - Trainer Aircraft						
0339 / JT Primary Acft Trnr Sys (JPATS)	-	-	5.000	9.136	-	9.136
0343 / Multi-Engine Training System (METS)	-	-	12.934	27.957	-	27.957
0344 / Advanced Helicopter Training System	-	13.223	21.522	0.000	-	0.000
BA 04 - Other Aircraft						
0416 / KC-130J	-	33.974	30.276	28.444	-	28.444
0442 / MQ-4 TRITON	-	28.848	6.406	0.000	-	0.000
0449 / MQ-25	-	57.749	133.541	42.500	-	42.500
0452 / Marine Group 5 UAS	-	35.895	79.875	89.377	-	89.377
9401 / Spares for Repair of Repairables	-	45.767	44.721	65.409	-	65.409
BA 05 - Modification of Aircraft						
9504 / Spares for Modifications	-	255.496	414.372	380.249	-	380.249
BA 07 - Aircraft Support Equip & Facilities						
0720 / War Consumables	-	1.495	3.026	2.382	-	2.382
9705 / Spares for Training Devices	-	25.031	21.327	17.128	-	17.128
9707 / Spares for CSE Parts	-	1.799	5.047	1.446	-	1.446
9708 / Spares for CASS Spares	-	0.470	0.170	0.884	-	0.884
9709 / Spares for TCTS Spares	-	2.270	3.775	1.913	-	1.913
Subtotal: Initial	-	1,049.077	1,086.238	987.972	-	987.972
Replenishment						
BA 07 - Aircraft Support Equip & Facilities						
9710 / Spares for 6K Cog	-	23.370	34.009	27.420	-	27.420
9711 / Spares for Adversary	-	0.523	0.504	0.158	-	0.158

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2024 Navy					Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 06 / 1		P-1 Line Item Number / Title: 0605 / Spares and Repair Parts			Title: APN spares	
End Item Line Item Number / Name [MDAP/MAIS]	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)	FY 2024 Base (\$ M)	FY 2024 OCO (\$ M)	FY 2024 Total (\$ M)
9712 / Spares for HQ Replenishment	-	59.600	60.004	46.805	-	46.805
9713 / Spares for AOA Repairables	-	1,086.911	796.035	1,319.205	-	1,319.205
9714 / Spares for AOA Consumables	-	76.096	70.627	69.684	-	69.684
Subtotal: Replenishment	-	1,246.500	961.179	1,463.272	-	1,463.272
Total Cost (Initial + Replenishment)	-	2,295.577	2,047.417	2,451.244	-	2,451.244
Remarks: FY2024 INITIAL SPARES BREAKDOWN(\$M): JSF-F-35C CV (J0147): \$78.742 Joint Strike Fighter CV Contractor Spares: \$18.350 Joint Strike Fighter CV Engine Spares: \$59.724 Joint Strike Fighter CV PSE Spares: \$0.668 JSF F-35B STOVL (J0152): \$92.716 JSF STOVL Contractor Spares: \$18.501 JSF STOVL Engine Spares: \$73.771 JSF STOVL PSE Spares: \$0.444 CH-53K (Heavy Lift) (J0158): \$58.432 CH-53K (Heavy Lift) Contractor Spares: \$0.552 CH-53K (Heavy Lift) Engine Spares: \$56.988 CH-53K (Heavy Lift) PSE Spares: \$0.892 V-22 (Medium Lift) (J0164): \$30.562 CM/MV-22 (Medium Lift) Engine Spares: \$30.462 CM/MV-22 (Medium Lift) PSE Spares: \$0.100 P-8A Poseidon (J0193): \$56.711 P-8A Poseidon Engine Spares: \$56.648 P-8A Poseidon PSE Spares: \$0.063 E-2D (J0195): \$3.984 E-2D AHE Contractor Spares: \$3.984 JT Primary Aircraft Trainer (J0339): \$9.136 JPATS Contractor Spares: \$0.089 JPATS Engine Spares: \$9.047 MULTI-ENGINE TRAINER SYSTEM (METS) (J0343): \$27.957 METS Contractor Spares: \$22.176 METS Engine Spares: \$5.781						

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 06 / 1	P-1 Line Item Number / Title: 0605 / Spares and Repair Parts	Title: APN spares
KC-130J-Marines (J0416): \$28.444 KC-130J-Marines Contractor Spares: \$13.798 KC-130J-Marines Engine Spares: \$14.646 MQ-25 STINGRAY (J0449): \$42.500 MQ-25 STINGRAY Contractor Spares: \$32.292 MQ-25 STINGRAY Engine Spares: \$9.972 MQ-25 STINGRAY PSE: \$0.236 Marine Group 5 UAS (J0452): \$89.377 Marine Group 5 UAS Contractor Spares: \$85.755 Marine Group 5 UAS Engine Spares: \$3.622 ----- FY2024 SPARES FOR REPAIR OF REPAIRABLES (ROR) BREAKDOWN (J9401) (\$M): \$65.409 AV-8B: \$0.615 C-130: \$2.291 CH-53K: \$11.903 V-22: \$0.068 Common Avionics: \$21.466 CSE Avionics: \$0.015 CSE Non-Avionics: \$0.027 E-2 Series: \$1.560 F/A-18 E/F: \$10.780 E/A-18G: \$0.250 H-1: \$0.318 MQ-4C Triton: \$13.904 Next Generation Jammer Mid-Band: \$2.167 CASS: \$0.045 ----- FY2024 MODIFICATION SPARES BREAKDOWN (J9504)(\$M): \$380.249 AV-8B: \$4.525 Common Electronic Countermeasures Equipment: \$45.591 E-2 Series: \$15.749 F-18 Series: \$97.298 JPATS: \$2.729 Next Generation Jammer Mid-Band: \$84.758 T-45TS (Trainer) Goshawk: \$25.563 C-130 Series: \$0.438 E-6 Series: \$12.940 Executive Mission: \$2.642 H-1 Series: \$8.004 H-60 Series: \$13.831 Manned Reconnaissance Systems: \$6.323 MQ-8 UAV: \$0.181		

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 06 / 1	P-1 Line Item Number / Title: 0605 / Spares and Repair Parts	Title: APN spares
MQ-4 UAV: \$4.903 P-8 Series: \$29.516 V-22 (TILT/ROTOR ACFT) OSPREY: \$17.903 Common Avionics: \$3.327 Adversary F-5/F-16: \$4.028 ----- FY2024 War Consumables (J0720): \$2.382 BRU-61 War Consumables Contractor Spares: \$2.382 FY2024 SPARES FOR TRAINING DEVICES (J9705) (\$M): \$17.128 TRAINING DEVICES - JSF \$0.158 TRAINING DEVICES: \$16.970 ----- FY2024 REPLENISHMENT SPARES BREAKDOWN (J9712)(\$M): \$46.805 Executive Helicopter Series: \$5.734 Direct Support Squadron: \$0.289 Project Bear Trap / Manned Reconnaissance Systems: \$11.560 E-6: \$8.877 Base Operations - Marine Corps Reserve (DSSQ): \$2.099 VH-92A Executive Helicopter: \$18.246 FY2024 Spares for 6K Cog (J9710)(\$M): \$27.420 FY2024 Spares for Adversary (J9711)(\$M): \$0.158 ----- FY2024 AVIATION OUTFITTING ACCOUNT (AOA) SPARES BREAKDOWN (J9713)(\$M): \$1,319.205 F/A-18 A-D: \$21.663 F/A-18 E/F/G: \$81.136 E/A-18G: \$16.926 MH-60R: \$59.066 MH-60S: \$17.658 AV-8B: \$1.121 H-53: \$36.636 E-2C/D: \$33.661 P-3C: \$0.376 CMV-22: \$48.697 AH-1W/Z: \$27.001 MV-22: \$30.751 MQ-8C: \$5.838 BAMS UAV (MQ-4C): \$233.005 P-8: \$58.804 Common Support Equipment: \$41.499		

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 06 / 1	P-1 Line Item Number / Title: 0605 / Spares and Repair Parts	Title: APN spares
KC-130J: \$13.331 KC-130T: \$1.023 Common Avionics: \$154.999 AVCAL Wholeness: \$436.014 ----- FY2024 AVIATION OUTFITTING ACCOUNT CONSUMABLES (ACA) SPARES BREAKDOWN (J9714) (\$M): \$69.684 F/A-18 A-D: \$0.188 F/A-18 E/F/G: \$5.545 E/A-18G: \$1.109 MH-60R: \$4.422 MH-60S: \$1.058 AV-8B: \$0.036 H-53: \$6.553 E-2C/D: \$2.206 P-3C: \$0.092 CMV-22: \$2.734 AH-1W/Z: \$1.675 V-22: \$1.961 MQ-8: \$0.513 MQ-4C: \$17.112 P-8: \$4.276 Common Support Equipment: \$1.522 KC-130J: \$0.834 Common Avionics: \$5.684 AVCAL Wholeness: \$12.164		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities							P-1 Line Item Number / Title: 0705 / Common Ground Equipment					
ID Code (A=Service Ready, B=Not Service Ready): B				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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	4,588.834	497.362	528.433	566.156	0.000	566.156	575.993	573.929	584.938	587.022	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	4,588.834	497.362	528.433	566.156	0.000	566.156	575.993	573.929	584.938	587.022	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	4,588.834	497.362	528.433	566.156	0.000	566.156	575.993	573.929	584.938	587.022	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 Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Common Ground Equipment line funds procurement of Automatic Test Equipment (ATE), various aircraft systems trainers and training aids, the Consolidated Automated Support System Family of Testers (CASS FOT), support equipment for the Rapid Deployment Force, mobile maintenance facilities for Marine expeditionary forces, and other aircraft ground support equipment that is either peculiar to out-of-production aircraft or common in applicability to more than one aircraft. The requiring managers responsible for these procurements and the funds presently assigned to them are as follows: Ground Support Equipment, Mobile Maint Facilities, General Skills Training, Topscene, and Other Flight Training.

[P40A / AUTOMATIC TEST EQUIPMENT]: This sub-line provides for the transition of current Automated Test Equipment (ATE) Test Program Sets (TPSs) to AN/USM-636 Consolidated Automated Support System (CASS), AN/USM-702 Reconfigurable Transportable CASS (RTCASS), AN/USM-730 electronic CASS (eCASS), and Joint Services Electronic Combat System Tester (JSECST) USM-670A, the acquisition/ modification of associated test routines of common ATE to meet operational requirements identified in the Fleet-concurred Common Support Equipment Operational List and the acquisition/ modification of associated ancillary assets for CASS/RTCASS/eCASS to extend testing capability to meet these requirements. In addition, includes modifications to existing legacy ATE systems as required to support plans to fully transition TPSs to current ATE systems.

TEST PROGRAM SETS (TPSs) TRANSITION TO CASS, RECONFIGURABLE TRANSPORTABLE CASS (RTCASS) AND eCASS: TPSs are support equipment consisting of hardware, software and documentation required to automatically fault isolate defective weapon system components and qualify them Ready-For-Issue (RFI). The budget requests funds for the procurement of TPSs to offload support from existing legacy ATE to CASS, RTCASS and eCASS as well as support of GFE requirements and CASS Family of Testers (FOT) stations at designated test integration facilities.

COMMON ATE ACQUISITION, MODIFICATION AND TEST ROUTINES: System acquisition and modification is necessary to replace obsolete and unsupportable equipment, support current technology, incorporate necessary reliability and maintainability improvements and correct Fleet-reported problems as a result of engineering investigations/Quality Deficiency Reports. Without these modifications, replacement parts will not be available and common ATE will not remain operational.

ASSOCIATED ANCILLARY ASSETS: CASS Family Ancillary assets extend the capabilities of CASS, RTCASS and eCASS to meet Unit Under Test (UUT) testing requirements where it is not feasible to upgrade the entire inventory of CASS Family testers. The budget requests funds for the acquisition and modification of these CASS ancillary assets. Without these modifications, these assets and the associated UUTs they support will not remain operational.

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities		P-1 Line Item Number / Title: 0705 / Common Ground Equipment
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
[P40A - 2 / A/C COMMON SUPPORT EQUIPMENT]: This budget sub-line provides for the acquisition of Support Equipment (SE) end items under the inventory and technical management of NAVAIR. These SE end items are required for ground testing handling, and maintenance of aircraft and their systems. Examples of SE items acquired under this budget line item include aircraft propulsion test systems, mobile air conditioners and generators and aircraft handling equipment. Also included are common avionics support equipment (ASE) items which are too complex technically to be transitioned to the inventory control point for acquisition. The ASE included is managed by NAVAIR and supported through the Navy Inventory Control Point. [P40A - 3 / ICP/HEADQUARTERS MANAGED SUPPORT EQUIPMENT]: This budget sub-line funds the procurement of end items of out of production weapon systems and Common Support Equipment (CSE) Deficits under the budget, procurement and inventory control of NAVICP. CSE end items are normally introduced into the fleet through NAVAIR development and initial procurement. When design stabilized and procurement packages are available, these items migrate to NAVICP management and are funded under this sub-line. NAVICP currently manages over 11,000 individual repairable support equipment end items. Additionally, this sub-line funds Replacement of CSE that is not logistically cost effective to continue use and requires replacement, and modification of existing CSE to extend service life. [P40A - 4 / PECULIAR SUPPORT EQUIPMENT (PSE)]: This budget sub-line funds the procurement of Peculiar Support Equipment (PSE) for out of production aircraft under the budget, procurement and inventory control of NAVAIR. Replacement of out-of-production aircraft in-use PSE items that are now marginally effective, due to obsolescence, or unavailability of associated logistics support. Design and production of PSE items that were not funded during the production phase of the weapon system, and modifications to out-of-production aircraft PSE to extend its useful service life. The PSE will support Fleet squadrons and Intermediate Level of Maintenance at both afloat and shore sites. [P40A - 5 / CONSOLIDATED AUTOMATED SUPPORT SYSTEM]: The electronic Consolidated Automated Support System (eCASS) program is chartered to replace CASS MainFrame (MF) test stations in the Navy's inventory. CASS, RTCASS, and eCASS continue to replace 30+ different types of computer-based Automatic Test Equipment (ATE) with a single modern family of testers (FOT), which are cost effective COTS/NDI-based ATE systems designated as the Navy's Standard Family of ATE. There are four configurations of eCASS that will be fielded, which support the entire spectrum of electronics testing requirements from direct current to light: Hybrid [tests digital and analog], Radio Frequency (RF) [tests radars and electronic warfare systems], Electro-Optics (EO3) [tests FLIRs and LASERs], and High Power [high energy radar systems]. Reconfigurable Transportable Consolidated Automated Support System (RTCASS) [a man-transportable version of RF CASS] is currently used for USMC rotary/fixed wing aircraft maintenance. eCASS, with its advanced capability to support legacy and emerging platforms, and reduced logistics footprint, will replace the existing configurations of both CASS and CASS FOT obsolete systems. The CASS FOT supports intermediate and depot level repair of aircraft, ship, submarine and other weapon system electronics. The CASS FOT performs fault detection and diagnostic testing of almost 3,000 different "black boxes" and associated circuit cards from AH-1Z, AV-8B, C-2A, E-2C/D, EA-6B, EA-18G, F/A-18C/D/E/F, F-35B/C, H-53E, MH-60R/S, T-45, UH-1Y and V-22 aircraft, as well as several NAVSEA/SPAWAR weapon systems. ECASS reached IOC in FY2017. CASS FOT replaces older, legacy ATE systems that have become obsolete (parts are no longer available) and too expensive to maintain. CASS FOT reduces afloat CVN ATE manning from 104 to 54 billets and reduces the size of the AVCAL (spare parts) from 30,000 to 3,500. CASS FOT also reduces technician Naval Enlisted Classifications (NECs) types, along with their training courses, from 32 to only five (5). Each CVN will deploy with 14 eCASS stations and each LHD/LHA will deploy with two (2) stations. CASS FOT is utilized at intermediate and depot level maintenance facilities afloat and ashore to include Marine Aviation Logistics Squadrons (MALs), and Navy Fleet Readiness Centers (FRCs). RTCASS supports USMC V-22, rotary wing aircraft, and fixed wing aircraft. Current and budget year requirements are needed for CASS FOT support of new and transitioning weapon systems. New Requirements: F/A-18E/F/G (multiple), P-8 (multiple), E-2C/D (multiple), MIDS (multiple), V-22, ATFLIR (F/A-18), MH-60R/S (multiple systems), UH-1Y and AH-1Z, EGI (multiple aircraft). Transitioning Legacy Testers: 30 legacy automatic testers that support Navy and USMC tactical aircraft. In addition to production costs for the newest member of the CASS FOT (eCASS), program costs include: (1) incorporation of ECPs to permit systematic insertion of new technology to meet requirements of new weapon system avionics, (2) incorporation of test technologies required to offload Test Program Sets (TPSs) from legacy ATE, (3) efforts to ameliorate obsolescence and improve system reliability, maintainability and supportability, (4) rehosting existing TPSs to leverage increased capabilities of new software technology, (5) providing support of CASS FOT installations at fleet sites afloat and ashore, (6) maintaining items contractually required to be provided to contractors as Government Furnished Equipment, (7) maintaining supporting equipment used at CASS FOT laboratory and testing facilities, and (8) providing ancillary equipment necessary for functionality of CASS FOT.		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy		Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities		P-1 Line Item Number / Title: 0705 / Common Ground Equipment	
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: N/A		Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A			
The purpose of the Fourth-Generation Electro-Optics (EO4) program is to replace aging and obsolete third-generation electro-optic (EO3) consoles with a modernized variant. There are 65 existing Third-Generation Electro-Optics (EO3) systems located at both shore-based and afloat activities. The EO3 systems are hosted by the Consolidated Automated Support System (CASS/eCASS) family of test systems and are used to provide for maintenance, diagnosis, and repair of the H-60R/S Multi-spectral Targeting System (MTS) and the F/A-18C/D/E/F Advanced Targeting Forward Looking Infrared (ATFLIR) weapon systems. The fielded EO3 systems are experiencing increased failure rates and reduced weapon system availability due to obsolescence issues. The EO4 program will replace the existing EO3 systems with a modernized next-generation electro-optics system that is designed and developed as either a new design or an Engineering Change Proposal (ECP) to the existing system, as determined by the competitive procurement process. The EO4 system will meet all existing weapons system requirements, as well as the anticipated emerging requirements of new or upgraded FLIR, laser and optical weapons systems. Full Rate Production (FRP) is planned in FY24. In addition to production costs, the EO4 program costs also include: (1) Incorporation of ECPs to permit systematic insertion of new technology to meet requirements of emerging electro-optic weapon system avionics. (2) Incorporation of test technologies required to support emerging Test Program Sets (TPSs). (3) Efforts to mitigate future obsolescence and improve system reliability, maintainability and supportability. (4) Migration of existing TPSs from EO3 to EO4 to leverage increased capabilities of new software and technology. (5) Providing support for EO4 installations at fleet sites afloat and ashore, (6) maintaining any contractually provided Government Furnished Equipment. The EO3 obsolescence issues and increased failure rates are causing degradation to H-60 MTS and F/A-18 ATFLIR weapons system readiness, which results in a Non-Mission Capable (NMC) aircraft status. Without resolution of these issues, availability of these critical weapons systems will continue to degrade. The Center for Naval Analyses (CNA) released a report in March 2016 that strongly recommended proceeding with a next-generation EO4 variant and presented a cost benefit analysis that projected significant (potentially > 60%) EO4 life-cycle cost savings. Historical data depicts that this fielded EO test capability results in \$140M of annual cost avoidance for H-60 MTS and F/A-18 ATFLIR weapons system support costs. [P40A - 6 / MOBILE MAINTENANCE FACILITIES]: The Mobile Facility (MF) Program provides the overarching management construct to ensure configuration management and life cycle logistics for the Fleet MF inventory. The program provides engineering design solutions, production efforts and life cycle logistics in support of Navy and Marine Corps logistics requirements. The primary component is the MF, a 20'x8'x8' tactical shelter that meets structural and dimensional requirements of the International Organization for Standardization (ISO), the American National Standards Institute (ANSI), and the American Society for Testing and Material (ASTM). Designed for a 20-year service life, MFs are heated and cooled by Environmental Control Units, which the program procures and logistically supports. In tactical environments, electrical power required to support MF complexes is provided by DOD standard generator sets. The Naval Air Systems Command (NAVAIR) acts as the Primary Inventory Control Activity (PICA) for multi-service procurement of NAVAIR MFs and related ancillary equipment. Investment in the MF Program ensures a fully deployable logistics capability that can be deployed in a building block fashion across the battlespace, whether at sea or on land, in support of aircraft maintenance and supply support operations. The Program of Record inventory objective is 3,235 MFs. This objective is based on the Marine Corps Table of Basic Allowance (TBA) and Weapon System Planning Documents (WSPD), which find their roots in the combatant commanders' operational plans supporting the National Defense Strategy. Current active inventory is 3,040 MFs. MF's are an Air Combat Element (ACE) Aviation Logistics (AVLOG) integration enabler, which make the Marine Air Ground Task Force (MAGTF) more responsive, agile, flexible and lethal via support and sustainment operations in austere expeditionary environments. This supports the Naval Air Enterprise (NAE) Strategic Plan, Tri-Service Maritime Strategy Advantage at Sea: Integrated All-Domain Naval Power, and the Concept for Expeditionary Advanced Base Operations. MFs provide scalable expeditionary aviation logistics support to the operational commander that can be rapidly deployed by all transportation modes to any location in the world. Operationally, MFs provide the Navy and Marine Corps with a quick response stand-alone expeditionary sea or land basing capability to meet worldwide operational commitments. Economically, MFs reduce the need for MILCON and allow for standardized worldwide transportability. Key Attributes: - Fully integrated expeditionary sea/land basing capability deployable via ship, airlift or truck. Operationally deployable aboard Transport-Aviation Logistics Support Ship (TAVB), Maritime Prepositioning Ships (MPS) and Expeditionary Sea Base (ESB) shipping. - Provides an effective, reliable and affordable self-contained aircraft maintenance expeditionary sea or land basing capability (avionics, airframes, et. al.) - Provides for supply support functions (work space, parts storage & parts transport)			

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities		P-1 Line Item Number / Title: 0705 / Common Ground Equipment
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
[P40A - 7 / GENERAL SKILLS TRAINING]: General Skill Training provides for the procurement of aviation training systems, including training devices and associated courseware, which are not associated with a specific aircraft platform. As required, includes modifications and updates to reflect changes in technology or operating environment. Major Programs: The 'A' School Program's function is to provide initial foundational and theoretical skills training to all Navy/Marine Corps Officer and Enlisted personnel. It provides training for 20 aviation ratings, supporting 196 Navy Enlisted Classifications (NEC), 96 USMC Military Occupational Specialties (MOS) and 17 USN/USMC Officer Designators/MOS's. Advance Skills Management System (ASM) is a software application designed to identify job task requirements, assist in determining proficiencies, document qualification/certifications, track completed technical training and aviation maintenance personnel progress across an individual's career within their respective Maintenance Personnel Readiness (MPR)/Marine Corp Training & Readiness (T&R) in support of the Naval Aviation Enterprise (NAE). The Air Traffic Control (ATC) program provides the necessary simulated training and learning opportunities for shore and sea based air traffic control operations to Navy and Marine Corp personnel. The Landing Signal Officer (LSO) Program provides realistic simulation for shipboard fixed-wing aircraft recovery for training, certification and proficiency at visual aircraft recoveries while at sea, through the use of an aircraft carrier landing area trainer. The Naval Aviation Survival Training Program (NASTP) provides mission critical survival training systems and systems support for Navy and Marine Corps Aircrew and selected DoD personnel. The Air Combat Training Continuum (ACTC) Program provides the framework for post-Fleet Replacement Squadron (FRS) tactical aircrew training. The mission of ACTC is to provide Fleet, Joint, and Allied Force Commanders with quality combat-ready Naval Aviators capable of effectively executing in all mission areas. The Air Combat Training System (ACTS) is a Training Management System (TMS) that operates in a secure environment, ashore, and afloat, to deliver training content to the aviator as well as track and report his/her progress through the ACTC curriculum. Common ASW (CASW) produces airborne ASW training systems for officer and enlisted Aircrew for all ASW platforms (including P-3, H-60, P-8 and Triton) teaching critical analysis skills using computer courseware, table top trainers and ONI analysis products. [P40A - 8 / TOPSCENE]: TOPSCENE is a mission planning requirement that provides realistic 3D mission rehearsal, training, and reusable visual terrain databases to the Navy Fleet, Fleet Marine Forces, major war fighting commands, and unified commanders. TOPSCENE/Tactical Terrain Visualization System (TTVS) includes a range of programs including mission rehearsal tools, part simulation, and target database production tools. TOPSCENE/TTVS provides time critical mission rehearsal visual database of sensitive target areas for effective preparation of the battlefield. TOPSCENE/TTVS is a standalone application that may also be integrated with mission planning systems (JMPS) and contributes to satisfying the mission rehearsal requirement in the JMPS Operational Requirements Document. [P40A - 9 / OTHER FLIGHT TRAINING]: Other Flight Training procures upgrades/modernization to operational trainers not driven by retrofit changes to aircraft driven by an Operational Safety and Improvement Program (OSIP) or forward-fit changes made during the production of the aircraft classified as an investment cost. Also, trainer procurements to replace obsolete/beyond capability of repair trainers if classified as an investment cost are included. The Headquarters, Marine Corps (HQMC) Federation will invest in modernization of USMC KC-130, H-1, CH-53, V-22, F/A-18C/D, AV-8B, Presidential Helicopters, Marine Air Ground Task Force (MAGTF) Integration, Aviation Command and Control, Close Air Support/Joint Terminal Attack Controller (CAS/JTAC), and common systems training devices as planned in the HQMC Aviation Plan (AVPLAN). The Aviation Distributed Virtual Training Environment (ADVTE) infrastructure, along with the Tactical Environment (TEn) software will be modernized for existing 2nd and 3rd Marine Air Wing (MAW) sites; while ADVTE capability will be procured and installed for the 1st MAW site. Live Virtual Constructive (LVC) requirements will establish persistent integrated training between Naval Forces (Navy and Marine Corps); Joint, Interagency, International, Multinational (JIIM) partners; AEGIS; Carrier Air Wing; Maritime; and Unmanned Aerial Systems (UAS) aircraft, equipment, platforms, systems, and their respective training assets by enabling an LVC capability with live aircraft on various Department of Defense range facilities. To facilitate LVC integration into the USMC training systems, Marine Virtual Warfare Center (MVWC), and Common Virtual Training Environment (CVAT) will be required. Training courseware and curriculums will be procured for transformational Marine Corps Aircraft. The Navy Aviation Simulation Master Plan (NASMP) investments modernize F/A-18E/F, EA-18G, F-35, E-2, C-2, MH-60R&S, MH-53, P-3C, EP-3, P-8A, E-6B, MQ-4, MQ-8, MQ-25, adversary aircraft, and in the future CMV-22 and E-XX training systems. NASMP supports aircrew and maintainer training systems through obsolescence mitigation, fidelity improvements, Distributed Mission Training (DMT) network connectivity, and cybersecurity improvements. NASMP procures expanded high end fight integrated training capabilities for the Fleet at the Naval Aviation Warfighting Development Center (NAWDC) Fallon, NV, through the Integrated Training Facility (ITF), Air Wing Training Facility (AWTF), and Air Defense Strike Group Facility (ADSGF) to include fidelity upgrades to F-35 in-a-box (FIAB) and ITF systems based on the Joint Simulation Environment (JSE) at these locations. NASMP Investments in improved Carrier Air Wing (CVW) DMT capability will create a secure Virtual - Constructive (VC) battlespace capable of meeting current and emerging highly complex threat training scenarios that deployed CVWs face. NASMP also invests in Chief of Naval Air Training (CNATRA) undergraduate flight training systems to address obsolescence in fixed wing, rotary wing and unmanned air vehicle operator (AVO) Ground Based Training Systems (GBTS). GBTS is used to generate production throughput and replacement student Naval Aviators, Naval Flight Officers and AVOs needed to meet Fleet operational demand.		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities					P-1 Line Item Number / Title: 0705 / Common Ground Equipment					
ID Code (A=Service Ready, B=Not Service Ready): B			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-40a	AUTOMATIC TEST EQUIPMENT				- / 487.693	- / 29.772	- / 25.060	- / 24.136	- / -	- / 24.136
P-40a	A/C COMMON SUPPORT EQUIPMENT	P-5a, P-21			- / 488.670	- / 58.796	- / 54.056	- / 53.834	- / -	- / 53.834
P-40a	ICP/HEADQUARTERS MANAGED SUPPORT EQUIPMENT				- / 227.119	- / 25.283	- / 23.437	- / 25.698	- / -	- / 25.698
P-40a	PECULIAR SUPPORT EQUIPMENT (PSE)				- / 54.729	- / 50.018	- / 36.780	- / 57.167	- / -	- / 57.167
P-40a	CONSOLIDATED AUTOMATED SUPPORT SYSTEM	P-5a, P-21			- / 1,313.843	- / 94.289	- / 95.247	- / 93.553	- / -	- / 93.553
P-40a	MOBILE MAINTENANCE FACILITIES	P-5a			- / 156.943	- / 7.069	- / 7.414	- / 7.200	- / -	- / 7.200
P-40a	GENERAL SKILLS TRAINING	P-5a			- / 99.581	- / 15.363	- / 12.384	- / 55.071	- / -	- / 55.071
P-40a	TOPSCENE				- / 10.623	- / -	- / -	- / -	- / -	- / -
P-40a	OTHER FLIGHT TRAINING	P-5a, P-21			- / 1,749.633	- / 216.772	- / 274.055	- / 249.497	- / -	- / 249.497
P-40	Total Gross/Weapon System Cost				- / 4,588.834	- / 497.362	- / 528.433	- / 566.156	- / 0.000	- / 566.156
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
Justification: AUTOMATIC TEST EQUIPMENT: FY 2024 provides funding to offload multiple weapon system Operation Test Program Sets (OTPSs) to CASS, RTCASS, eCASS, and the Joint Services Electronic Combat Systems Tester (JSECST) from various legacy systems to include, Signal Generator Test Set (SGTS) an Electronic Warfare (EW) O-Level test system. Funding also for production of several High Speed Subsystem (HSS) ancillary assets. A/C COMMON SUPPORT EQUIPMENT: FY 2024 provides funding to procure Next Generation Software Loader Upgrade, Particle Counter, SD2 Replacement, L Class Ship Crash Crane, Medium Capacity MEPP, AECTS Replacement/Modification, First Destination Transportation Cost for hardware, Engineering Change Proposals to address minor CSE performance and obsolescence issues and associated support cost. ICP/HEADQUARTERS MANAGED SUPPORT EQUIPMENT: FY 2024 provides funding for the procurement of end items of out of production weapon systems and Common Support Equipment (CSE) Deficits/Replacements under the budget, procurement and inventory control of Naval Inventory Control Point (NAVICP). PECULIAR SUPPORT EQUIPMENT: FY 2024 provides funding to procure PSE for the MH-60R/S, AV-8B, C-130T & C-40, CMV-22, E-2 C/D, F/A-18A-F/EA-18G, H-1, Adversary F-5 and various out of production aircraft to fill Fleet site inventory deficits and replace PSE that has parts obsolescence issues and no longer cost effective to use. In addition, FY24 provides funding for COMFRC Equipment Reconstitution. CONSOLIDATED AUTOMATED SUPPORT SYSTEM: FY 2024 provides funding to procure (22) eCASS systems, (15) Fourth-Generation Electro-Optics (EO4) and associated ancillary equipment. MOBILE MAINTENANCE FACILITIES: FY 2024 provides funding to procure (40) MFs and associated support costs.										

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities		P-1 Line Item Number / Title: 0705 / Common Ground Equipment
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
GENERAL SKILLS TRAINING: A School: Provides for initial skills training devices for various aviation ratings and Navy Enlisted Classifications as well as learning opportunities for Fleet Navy/Marine Corps Personnel. FY24 funding will provide Ready Relevant Learning (RRL) enhancements to the following A-School trainers: Dual System Generators, Flight Surface Control Trainers, Aircraft Jet Ignition System Trainers, and Aircraft Basic Electronic System Trainers for the AE A-School; Primary MH-60R/S computer integrations for mission and flight displays, Composite Maintenance Trainer upgrade with interior and exterior lighting systems, MH-60/ Recovery Assist, Secure and Traverse (RAST)/Tail Wheel/Hoist trainer, and Flight display upgrades to current Composite Maintenance Trainers for the AE MH-60R/S A-School; SJU-17B(V)9/A ejection seats, SJU-17B(V)2/A ejection seats, MK-16 ejection seat, and SKU-10 seat survival kits for AME A-School; Fixed-Wing Flight Surface Control Part-Task Trainer and Rotary-Wing Flight Surface Control Part-Task Trainer for AM A-School, AME A-School Trainer Upgrades, AO A-School Trainer Upgrades, and AS A-School Trainer Upgrades. ACTS: FY 2024 funds upgrades 50 Air Combat Training System (ACTS) expeditionary Laptops that provide a mobile ACTC training capability to deploying Aircrew. ATC 15G31 SATS Block Upgrade: FY24 funding will deliver a 15G31 SATS block upgrade block upgrade to Shore-Based Air Traffic Control training Systems to support initial ascension training and follow-on career training . NASTP: FY 2024 Funds NASTP upgrades the Parachute Descent Trainer (PDT) to eliminate obsolescence issues and provide safe survival training for Aircrew. Funds also provided to continue 9H1 Hoist Trainer and 9F9A Parachute Overwater Survival Training (POST) upgrades. Helo Hoist Upgrade: FY24 upgrades one Helo Hoist Post for FRCE and replace replace corroded poolside platforms with a non-corrosive fiberglass reinforced polymer for improved structural integrity and safety. CASW: FY2024 funding upgrades the Interactive Multi-Sensors Analysis Trainer (IMAT) trainer courseware to incorporate the latest learning technology and ASW threat analysis. OTHER FLIGHT TRAINING: HQMC Federation Programs: Aviation Distributed Virtual Training Environment (ADVTE): Expansion and modernization of ADVTE, to include implementation of a Common Virtual Training Area (CVTA), upgrading of the Tactical Environment network (Ten), Marine Virtual Warfare Center (MVWC) and Common Virtual Training Environment (CVAT). FY2024 funds will integrate ADVTE capability with external training partners (USMC ATS to JTAC ground simulators, Navy Continuous Training Environment (NCTE), AF/Joint). ADVTE will be enhanced to incorporate a Controlled Interface that provides the ability to perform cross-service distributed training. Inter-service Network Connectivity Modernization (TEn): Procures Tactical Environment (TEn) modernization for interoperability improvements and semi-automated forces (SAF) improvements. FY2024 funds DO3 to modernize OCONUS TEn Software (SW) modifications and Hardware Installs at MCAS Iwakuni, MCAS Futenma and MCAS Kaneohe Bay. MV-22 Containerized Flight Training Device (CFTD) Modernization: Upgrade obsolete components and improve trainer availability (less down time). Over 50% of Aircrew flight training is conducted in the CFTD directly reducing flying hour costs and improving mission readiness of aircraft. In FY22 a contract award with a base year and four option years to include concurrent Commercial-off-the-Shelf (COTS) hardware upgrades to 20 MV-22 flight simulators at a pace of four devices updated annually for the next five years (FY22-26). The MV-22 flight trainer hardware will be updated to include the latest generation projectors, display mirrors, host computer systems, image generators, cockpit displays and control loaders components. This procurement will also include the system COTS software licenses, required Physical Configuration Audits (PCA), Warfighter Operator Training and Commander Naval Air Forces funded air station training device Sustainment Contractor personnel training. KC-130 FY2024 funds the modernization and technical insertion to address obsolescence on KCWST-1 and KCWST-2. Replace obsolete hardware, Upgrade KCWST-1 Image Generator, Operating Systems (OS), re-host/upgrade the visual system, upgrade motion control logic, upgrade RADAR & COMS PC's and OS, upgrade Instructor / Operator station computers / host software, upgrade Cyber Security controls/posture. MCAT FY2024 funds the modernization of the seven MCAT systems. It addresses obsolescence equipment and updates operation software to meet cyber compliance.		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy		Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities		P-1 Line Item Number / Title: 0705 / Common Ground Equipment	
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: N/A		Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A			
F/A-18C/D FY2024 funds Windows 11 operating system upgrade to meet cyber compliance for twenty three Tactical Operating Flight Simulators (TOFT). It also addresses the replacement of obsolescence equipment necessary to keep the trainers viable until FY30.			
Navy Aviation Simulation Master Plan (NASMP) Programs:			
Common Simulation Models Upgrades: FY2024 procures annual updates to common simulation software and models used by Navy and USMC aviation trainers. Includes release of updated Next Generation Threat System (NGTS), Common Acoustic Simulation Environment (CASE), Common Visual Database and Common Weapon Models and Common Network Standards and Interfaces.			
NADTC and Distributed Mission Training Enablers Upgrades: FY2024 procures several specific software fixes for F/A-18 E/F and E-2D simulators and DMT network improvements.			
Carrier Air Wing (CVW) Distributed Mission Training (DMT) Upgrades: FY2024 request continues a multi-year effort to enable CVW platform trainers to connect with one another to support secure, cross-T/ M/S, integrated training. This allows aircrew across multiple locations to meet the National Defense Strategy priority to build a more lethal force by training to the high-end fight. Procures network upgrades to establish a secure Virtual-Constructive (VC) battlespace necessary to replicate near-peer threats and provide CVW training against advanced adversary systems that cannot be replicated or conducted live due to range and OPSEC limitations. This effort updates F/A-18E/F, EA-18G, E-2D and includes F-35 B/C simulators. It supports DMT by ensuring electronic warfare/threat simulation is common across all mission participants, resolves simulator network discrepancies, addresses platform trainer limitations that prevent repeatable distributed training capability, as well as implementing common voice communications upgrades, and realistic jamming effects.			
Integrated Training Facilities (ITF): FY24 procures software and hardware upgrades and integrates systems into the Integrated Simulation Environment (ISE). The ISE leverages the Joint Simulation Environment (JSE) and includes F-35, E-2D, F/A-18E/F, EA-18G, and AEGIS training devices for high fidelity training. Integrated Training Facilities includes sites at NAS Fallon, NAS Lemoore, Elmendorf AFB, MCAS Iwakuni, NAS Whidbey Island, NAS Oceana, and Integrated Training Afloat sites. Integrated Training Facilities includes the Naval Air Warfare Development Center (NAWDC) simulator training facilities, the ITF, Air Wing Training Facility (AWTF), and Air Defense Strike Group Facility (ADSGF).			
H-60 Cybersecurity and Information Assurance: FY2024 procures annual cybersecurity upgrades and patches required to receive and/or maintain Authority to Operate and Connect H-60 trainers across the Navy Continuous Training Environment (NCTE) network.			
FA/EA-18 TOFT Software Gold Disk Upgrades: FY2024 procures annual cybersecurity upgrades and patches required to receive and/or maintain Authority to Operate and Connect FA/EA-18 trainers across the Navy Continuous Training Environment (NCTE) network.			
FA/EA-18 Trainer Tech Refresh: Procures The F/A-18 E/F Maintenance Trainer Set (MTS) Obsolescence Upgrade. Five MTS Devices will be upgraded at Naval Air Station Lemoore and five at Naval Air Station Oceana.			
E-2D WST Tech Refresh: FY2024 upgrades E-2D weapon systems trainer (WST) components and training devices to Win11 Operating System and replaces obsolete, high failure prone items.			
E-6B OFT/IAT Trainer Modernization: FY2024 procures tech refresh of E-6 OFT system COTS components that are obsolete and unsupportable. Procures annual Cybersecurity upgrades and patches required to receive and/or maintain Authority to Operate.			
P-8 Tech Refresh: FY2024 procures tech refresh of the Digital Video Recording System on P-8 trainers at NAS Jacksonville, FL, and NAS Whidbey Island, WA.			
MQ-4/8 UAS Trainer Upgrades: FY2024 procures tech refresh of obsolete components and incorporation of Win11 operating system for MQ-4 and MQ-8 trainers.			

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities		P-1 Line Item Number / Title: 0705 / Common Ground Equipment
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A CNATRA Part Task Trainer Upgrades: FY2024 procures virtual reality and augmented reality part task training devices to increase Student Naval Aviator (SNA) Naval Aviation Training Next (NATN) preparedness to fly intermediate and advanced flight training maneuvers, reduce re-fly rate, and increase SNA production throughput to meet Fleet requirements. CNATRA Naval Flight Officer (NFO) Multi Crew Simulator (MCS) Upgrades: FY2024 upgrades two MCS devices at NAS Pensacola, FL, and six T-45 Strike Virtual Mission Training System trainers to address obsolescence and cyber security issues. CNATRA T-6A/B Aircrew Training Device (ATD) Upgrades: FY2024 procures hardware and software upgrades to resolve obsolescence issues on 17 T-6 Operational Flight Trainers (OFTs) and 17 T-6 Unit Training Devices (UTDs) used for primary flight training. CNATRA NAVOTS Upgrades: FY2024 funds procurement of an Air Vehicle Operator Training System that meets CNATRA MQ-25 and MQ-9 undergraduate unmanned aerial vehicle operator syllabus. Tailored to Navy and USMC UAS operator production demand.		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy															Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1							P-1 Line Item Number / Title: 0705 / Common Ground Equipment								Aggregated Items Title: AUTOMATIC TEST EQUIPMENT					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) Hardware																				
1.1) TPS Transition to CASS	A		-	-	339.499	-	-	22.627	-	-	18.289	-	-	17.605	-	-	-	-	-	17.605
Subtotal: 1) Hardware			-	-	339.499	-	-	22.627	-	-	18.289	-	-	17.605	-	-	-	-	-	17.605
2) Non-Recurring																				
2.1) TPS Transition to CASS	A		-	-	11.798	-	-	1.058	-	-	1.184	-	-	1.219	-	-	-	-	-	1.219
Subtotal: 2) Non-Recurring			-	-	11.798	-	-	1.058	-	-	1.184	-	-	1.219	-	-	-	-	-	1.219
3) ILS																				
3.1) TPS Transition to CASS	A		-	-	35.191	-	-	2.964	-	-	2.004	-	-	1.935	-	-	-	-	-	1.935
Subtotal: 3) ILS			-	-	35.191	-	-	2.964	-	-	2.004	-	-	1.935	-	-	-	-	-	1.935
4) Production Engineering																				
4.1) TPS Transition to CASS	A		-	-	101.205	-	-	3.123	-	-	3.583	-	-	3.377	-	-	-	-	-	3.377
Subtotal: 4) Production Engineering			-	-	101.205	-	-	3.123	-	-	3.583	-	-	3.377	-	-	-	-	-	3.377
Total			-	-	487.693	-	-	29.772	-	-	25.060	-	-	24.136	-	-	-	-	-	24.136

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

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy															Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1							P-1 Line Item Number / Title: 0705 / Common Ground Equipment								Aggregated Items Title: A/C COMMON SUPPORT EQUIPMENT					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) Hardware																				
1.1) Vibration - Vibration Analyzer ^(†)	A		288,833.33	6	1.733	12,079.71	138	1.667	-	-	-	-	-	-	-	-	-	-	-	-
1.2) COMM/NAV I/D - CRAFT Radio Test Set ECP ^{(1)(†)}	B		40,000.00	5	0.200	-	-	-	15,685.00	91	1.427	-	-	-	-	-	-	-	-	-
1.3) S/W Loader - Next Generation Software Loader ⁽²⁾	A		38,242.38	689	26.349	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) S/W Loader - Next Generation Software Loader Upgrade ^{(3)(†)}	B		-	-	-	-	-	-	-	-	-	39,183.33	36	1.411	-	-	-	39,183.33	36	1.411
1.6) Cryogenics - Shore 1000/2000 Gallon LOX/LIN Tanks ^{(4)(†)}	A		189,647.06	51	9.672	180,857.14	7	1.266	183,400.00	1	0.183	-	-	-	-	-	-	-	-	-
1.7) Hydraulics - Particle Counter ^(†)	B		15,000.00	10	0.150	-	-	-	18,100.00	200	3.620	18,462.69	201	3.711	-	-	-	18,462.69	201	3.711
1.9) Platform Support - Air Conditioner Ship Shore ^(†)	A		156,244.19	258	40.311	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.10) Platform Support - SD2 Replacement ^{(5)(†)}	B		147,800.00	5	0.739	129,818.18	11	1.428	-	-	-	131,735.29	34	4.479	-	-	-	131,735.29	34	4.479
1.11) Platform Support - CVN Class Ship Crash Crane ^(†)	B		1,666K	5	8.328	1,585K	7	11.092	1,565K	4	6.260	-	-	-	-	-	-	-	-	-
1.12) Platform Support - Diesel & Electric Servicing Platform ^(†)	A		85,566.67	60	5.134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.13) Platform Support - L Class Ship Crash Crane ^(†)	B		1,728K	3	5.184	1,730K	1	1.730	1,607K	4	6.427	1,629K	4	6.515	-	-	-	1,629K	4	6.515
1.14) Electrical - Medium Capacity MEPP ^{(6)(†)}	B		88,000.00	4	0.352	76,600.00	65	4.979	78,900.00	69	5.444	81,202.25	89	7.227	-	-	-	81,202.25	89	7.227
1.15) Electrical - AECTS Replacement/Modification ^(†)	B		768,000.00	4	3.072	652,666.67	12	7.832	664,489.00	9	5.980	679,100.00	8	5.433	-	-	-	679,100.00	8	5.433
1.18) First Destination Transportation Costs ⁽⁷⁾	A		-	-	3.230	-	-	0.700	-	-	0.500	-	-	0.500	-	-	-	-	-	0.500

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy																Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1								P-1 Line Item Number / Title: 0705 / Common Ground Equipment								Aggregated Items Title: A/C COMMON SUPPORT EQUIPMENT				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1.19) Engineering Change Proposal (ECP) ⁽⁸⁾	A		-	-	1.900	-	-	0.200	-	-	0.300	-	-	0.200	-	-	-	-	-	0.200
Subtotal: 1) Hardware			-	-	106.354	-	-	30.894	-	-	30.141	-	-	29.476	-	-	-	-	-	29.476
2) Non Recurring																				
2.1) Weapons Control	A		-	-	5.742	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Vibration	A		-	-	3.306	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.6) COMM/NAV I/D	A		-	-	6.992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.7) Software Load	A		-	-	8.149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.8) Non Destruct Inspection (NDI)	A		-	-	0.017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.9) Cryogenics	A		-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.10) Hydraulics	A		-	-	5.071	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.11) Propulsion	A		-	-	2.782	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.12) Platform Support	A		-	-	22.365	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.13) Electrical	A		-	-	12.521	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.14) Electronic Warfare	A		-	-	0.859	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) Non Recurring			-	-	68.004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) ILS																				
3.1) Weapons Control	A		-	-	3.104	-	-	0.280	-	-	0.266	-	-	0.278	-	-	-	-	-	0.278
3.2) Vibration	A		-	-	1.170	-	-	0.094	-	-	0.095	-	-	0.103	-	-	-	-	-	0.103
3.3) Corrosion	A		-	-	0.760	-	-	0.040	-	-	0.044	-	-	0.050	-	-	-	-	-	0.050
3.4) Aircraft Wiring	A		-	-	1.526	-	-	0.131	-	-	0.133	-	-	0.137	-	-	-	-	-	0.137
3.5) Shipboard Fire Trucks	A		-	-	1.244	-	-	0.069	-	-	0.072	-	-	-	-	-	-	-	-	-
3.6) COMM/NAV I/D	A		-	-	2.122	-	-	0.088	-	-	0.090	-	-	0.093	-	-	-	-	-	0.093
3.7) Software Load	A		-	-	0.960	-	-	0.083	-	-	0.084	-	-	0.088	-	-	-	-	-	0.088
3.8) Non Destruct Inspection (NDI)	A		-	-	4.555	-	-	0.277	-	-	0.266	-	-	0.278	-	-	-	-	-	0.278
3.9) Cryogenics	A		-	-	2.295	-	-	0.183	-	-	0.181	-	-	0.188	-	-	-	-	-	0.188
3.10) Hydraulics	A		-	-	2.099	-	-	0.250	-	-	0.181	-	-	0.200	-	-	-	-	-	0.200
3.11) Propulsion	A		-	-	8.093	-	-	0.710	-	-	0.661	-	-	0.689	-	-	-	-	-	0.689
3.12) Platform Support	A		-	-	14.984	-	-	1.365	-	-	1.258	-	-	1.310	-	-	-	-	-	1.310
3.13) Electrical	A		-	-	8.287	-	-	0.820	-	-	0.809	-	-	0.847	-	-	-	-	-	0.847
3.14) Electronic Warfare	A		-	-	1.175	-	-	0.080	-	-	0.080	-	-	0.085	-	-	-	-	-	0.085
Subtotal: 3) ILS			-	-	52.374	-	-	4.470	-	-	4.220	-	-	4.346	-	-	-	-	-	4.346

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy															Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1								P-1 Line Item Number / Title: 0705 / Common Ground Equipment							Aggregated Items Title: A/C COMMON SUPPORT EQUIPMENT				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
4) Production Engineering Support																				
4.1) Weapons Control	A		-	-	15.631	-	-	1.430	-	-	1.285	-	-	1.372	-	-	-	-	-	1.372
4.2) Vibration	A		-	-	5.853	-	-	0.770	-	-	0.403	-	-	0.423	-	-	-	-	-	0.423
4.3) Corrosion	A		-	-	1.253	-	-	0.080	-	-	0.071	-	-	0.075	-	-	-	-	-	0.075
4.4) Aircraft Wiring	A		-	-	7.203	-	-	0.612	-	-	0.549	-	-	0.592	-	-	-	-	-	0.592
4.5) Shipboard Fire Trucks	A		-	-	10.560	-	-	0.930	-	-	0.837	-	-	-	-	-	-	-	-	-
4.6) COMM/NAV I/D	A		-	-	13.693	-	-	1.192	-	-	1.072	-	-	1.145	-	-	-	-	-	1.145
4.7) Software Load	A		-	-	8.106	-	-	0.730	-	-	0.653	-	-	0.677	-	-	-	-	-	0.677
4.8) Non Destruct Inspection (NDI)	A		-	-	17.010	-	-	1.445	-	-	1.291	-	-	1.380	-	-	-	-	-	1.380
4.9) Cryogenics	A		-	-	16.152	-	-	1.417	-	-	1.271	-	-	1.359	-	-	-	-	-	1.359
4.10) Hydraulics	A		-	-	10.671	-	-	1.044	-	-	0.838	-	-	1.207	-	-	-	-	-	1.207
4.11) Propulsion	A		-	-	29.943	-	-	2.564	-	-	2.294	-	-	2.452	-	-	-	-	-	2.452
4.12) Platform Support	A		-	-	37.210	-	-	3.145	-	-	2.810	-	-	3.007	-	-	-	-	-	3.007
4.13) Electrical	A		-	-	13.973	-	-	1.600	-	-	1.372	-	-	1.502	-	-	-	-	-	1.502
4.14) Electronic Warfare	A		-	-	14.633	-	-	0.694	-	-	0.497	-	-	0.528	-	-	-	-	-	0.528
Subtotal: 4) Production Engineering Support			-	-	201.891	-	-	17.653	-	-	15.243	-	-	15.719	-	-	-	-	-	15.719
5) Installations																				
5.1) Non FMP Installations	A		-	-	29.922	-	-	3.548	-	-	2.027	-	-	2.158	-	-	-	-	-	2.158
5.2) FMP Installations	A		-	-	30.125	-	-	2.231	-	-	2.425	-	-	2.135	-	-	-	-	-	2.135
Subtotal: 5) Installations			-	-	60.047	-	-	5.779	-	-	4.452	-	-	4.293	-	-	-	-	-	4.293
Total			-	-	488.670	-	-	58.796	-	-	54.056	-	-	53.834	-	-	-	-	-	53.834

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

(†) indicates the presence of a P-5a

Footnotes:

- (1) FY24 buy quantities re-distributed across the FYDP due to engineering schedule and realignment of funds.
- (2) New Cost Element established (1.4 S/W Loader - Next Generation Software Loader) FYDP QTYs moved to Upgrade/ECP Line.
- (3) New Cost Element to procure modification kits to upgrade the existing NGSL inventory to resolve parts obsolescence and cybersecurity shortfalls. FY24 buy quantities re-distributed across the FYDP due to realignment of funds.
- (4) Name change to reflect replacement of legacy shore based Liquid Nitrogen tanks (30) which are in poor material condition and have parts obsolescence issues.
- (5) Resolution of test deficiencies resulting in a redesign allowed movement of quantities from To Complete column to FY24.
- (6) FY24 buy quantities re-distributed across the FYDP due to realignment of funds.
- (7) Transportation Code in prior years was budgeted under Production Engineering Support. Transportation Cost are not included in Unit Price in prior years or within the Future Year Defense Plan (FYDP).
- (8) Engineering Change Proposal (ECP) line created to address CSE emerging obsolescence issues identified requiring immediate support to maintain fleet capability.

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1				P-1 Line Item Number / Title: 0705 / Common Ground Equipment				Aggregated Items: A/C COMMON SUPPORT EQUIPMENT				
Item Number / Title [DODIC]	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 (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Hardware												
1.1) Vibration - Vibration Analyzer		2022 ⁽⁹⁾	Technology Energy Corporation / KNOXVILLE TN	SS / FFP	NAWCAD LKE	Apr 2022	Oct 2022	138	12,079.71	Y		
1.2) COMM/NAV I/D - CRAFT Radio Test Set ECP ⁽¹⁾		2021 ⁽¹⁰⁾	TEL-INSTRUMENT / CARLSTADT, NJ	SS / FFP	NAWCAD LKE	Aug 2022	Jan 2023	5	29,000.00	Y		
1.2) COMM/NAV I/D - CRAFT Radio Test Set ECP ⁽¹⁾		2023	TEL-INSTRUMENT / CARLSTADT, NJ	SS / CPFF	NAWCAD LKE	Mar 2023	Nov 2023	91	15,685.00	Y		
1.4) S/W Loader - Next Generation Software Loader Upgrade ⁽³⁾		2024	NSWC Crane / Crane, IN	PO	NSWC CRANE	Jan 2024	Jan 2025	36	39,183.33	Y		
1.6) Cryogenics - Shore 1000/2000 Gallon LOX/LIN Tanks ⁽⁴⁾		2019 ⁽¹¹⁾	Kelvin International Inc. / Newport News, VA	C / FFP	NAWCAD LKE	Dec 2019	May 2022	10	226,633.00	Y		May 2019
1.6) Cryogenics - Shore 1000/2000 Gallon LOX/LIN Tanks ⁽⁴⁾		2020	Kelvin International Inc. / Newport News, VA	C / FFP	NAWCAD LKE	Jul 2022	Jan 2023	21	182,285.71	Y		
1.6) Cryogenics - Shore 1000/2000 Gallon LOX/LIN Tanks ⁽⁴⁾		2021	Kelvin International Inc. / Newport News, VA	C / FFP	NAWCAD LKE	Jun 2021	Feb 2023	20	178,900.00	Y		
1.6) Cryogenics - Shore 1000/2000 Gallon LOX/LIN Tanks ⁽⁴⁾		2022	Kelvin International Inc. / Newport News, VA	C / FFP	NAWCAD LKE	Nov 2021	Oct 2023	7	180,857.14	Y		
1.6) Cryogenics - Shore 1000/2000 Gallon LOX/LIN Tanks ⁽⁴⁾		2023 ⁽¹²⁾	Kelvin International Inc. / Newport News, VA	C / FFP	NAWCAD LKE	Mar 2023	Oct 2024	1	183,400.00	Y		
1.7) Hydraulics - Particle Counter		2023 ⁽¹³⁾	TBD / TBD	C / FFP	NAWCAD LKE	May 2023	Nov 2023	200	18,100.00	Y		
1.7) Hydraulics - Particle Counter		2024	TBD / TBD	C / FFP	NAWCAD LKE	Aug 2024	Jan 2025	201	18,462.69	Y		
1.9) Platform Support - Air Conditioner Ship Shore		2017	DRS TECHNOLOGIES (1) / FLORENCE, KY	C / FFP	NAWCAD LKE	Jun 2017	Dec 2020	74	107,135.14	Y		Dec 2009
1.9) Platform Support - Air Conditioner Ship Shore		2020	HDT Global / FLORENCE, KY	C / FFP	NAWCAD LKE	Mar 2022	Nov 2022	27	417,407.41	Y		
1.10) Platform Support - SD2 Replacement ⁽⁵⁾		2022 ⁽¹⁴⁾	Hydraulics International Inc. (1) / CHATSWORTH CA	C / FFP	NAWCAD LKE	Apr 2023	Mar 2024	11	129,818.18	Y		Nov 2016
1.10) Platform Support - SD2 Replacement ⁽⁵⁾		2024	Hydraulics International Inc. (1) / CHATSWORTH CA	C / FFP	NAWCAD LKE	Nov 2023	Oct 2024	34	131,735.29	Y		
1.11) Platform Support - CVN Class Ship Crash Crane		2021 ⁽¹⁵⁾	Allied Systems Corp. / Sherwood, OR	C / FFP	NAWCAD LKE	Oct 2021	Jun 2023	5	1,666K	Y		Jul 2019
1.11) Platform Support - CVN Class Ship Crash Crane		2022	Allied Systems Corp. / Sherwood, OR	C / FFP	NAWCAD LKE	Apr 2022	Jun 2023	7	1,585K	Y		
1.11) Platform Support - CVN Class Ship Crash Crane		2023	Allied Systems Corp. / Sherwood, OR	C / FFP	NAWCAD LKE	Nov 2022	Nov 2023	4	1,565K	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1				P-1 Line Item Number / Title: 0705 / Common Ground Equipment				Aggregated Items: A/C COMMON SUPPORT EQUIPMENT				
Item Number / Title [DODIC]	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 (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.12) Platform Support - Diesel & Electric Servicing Platform		2021	Alden Equipment / Amsterdam, NY	C / FFP	NAWCAD LKE	Apr 2021	Sep 2021	60	85,566.67	Y		
1.13) Platform Support - L Class Ship Crash Crane ^(†)		2021 ⁽¹⁶⁾	Allied Systems Corp. / Sherwood, OR	C / FFP	NAWCAD LKE	Oct 2021	Jul 2023	3	1,728K	Y		Jul 2019
1.13) Platform Support - L Class Ship Crash Crane ^(†)		2022	Allied Systems Corp. / Sherwood, OR	C / FFP	NAWCAD LKE	Apr 2022	Nov 2023	1	1,730K	Y		
1.13) Platform Support - L Class Ship Crash Crane ^(†)		2023	Allied Systems Corp. / Sherwood, OR	C / FFP	NAWCAD LKE	Nov 2022	Nov 2023	4	1,607K	Y		
1.13) Platform Support - L Class Ship Crash Crane ^(†)		2024	Allied Systems Corp. / Sherwood, OR	C / FFP	NAWCAD LKE	Nov 2023	Oct 2024	4	1,629K	Y		
1.14) Electrical - Medium Capacity MEPP ^{(6)(†)}		2020	Essex Electro Engineers, Inc / Schaumburg, IL	C / FFP	NAWCAD LKE	Jan 2021	Aug 2022	4	88,000.00	Y		Sep 2019
1.14) Electrical - Medium Capacity MEPP ^{(6)(†)}		2022 ⁽¹⁷⁾	Essex Electro Engineers, Inc / Schaumburg, IL	C / FFP	NAWCAD LKE	Feb 2023	Jun 2023	65	76,600.00	Y		
1.14) Electrical - Medium Capacity MEPP ^{(6)(†)}		2023 ⁽¹⁸⁾	Essex Electro Engineers, Inc / Schaumburg, IL	C / FFP	NAWCAD LKE	Feb 2023	Oct 2023	69	78,900.00	Y		
1.14) Electrical - Medium Capacity MEPP ^{(6)(†)}		2024	Essex Electro Engineers, Inc / Schaumburg, IL	C / FFP	NAWCAD LKE	Nov 2023	Jul 2024	89	81,202.25	Y		
1.15) Electrical - AECTS Replacement/Modification ^(†)		2019	Testek LLC / Wixom, MI	C / FFP	NAWCAD LKE	Sep 2020	Jun 2022	4	768,105.00	Y		Jul 2019
1.15) Electrical - AECTS Replacement/Modification ^(†)		2022 ⁽¹⁹⁾	Testek LLC / Wixom, MI	C / FFP	NAWCAD LKE	Feb 2023	Dec 2023	12	652,666.67	Y		Jul 2019
1.15) Electrical - AECTS Replacement/Modification ^(†)		2023 ⁽²⁰⁾	Testek LLC / Wixom, MI	C / FFP	NAWCAD LKE	Feb 2023	Aug 2024	9	664,489.00	Y		
1.15) Electrical - AECTS Replacement/Modification ^(†)		2024	Testek LLC / Wixom, MI	C / FFP	NAWCAD LKE	Nov 2023	Aug 2025	8	679,100.00	Y		
^(†) indicates the presence of a P-21 Footnotes: ⁽⁹⁾ Award delayed due to test aircraft availability impacting completion of testing. ⁽¹⁰⁾ Award delayed due to proposal pricing clarifications and revisions required to initiate negotiations. ⁽¹¹⁾ Delivery dates adjusted to reflect resolution of test related and production start-up issues along with longer than expected component lead-times. Also applies to FY20, FY21 and FY22. ⁽¹²⁾ Quality issues discovered with first two delivered units. Award delayed while resolving with contractor. ⁽¹³⁾ Order not awarded due to contractor leaving the industry, new competitive contract to be awarded.												

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0705 / Common Ground Equipment	Aggregated Items: A/C COMMON SUPPORT EQUIPMENT
(14) Award delayed due to technical issues discovered during Government test. (15) Delivery dates adjusted to reflect pandemic driven increased component production lead-times. Also applies to FY22 and FY23. (16) Delivery dates adjusted to reflect pandemic driven increased component production lead-times. Also applies to FY22, FY23 and FY24. (17) Award delayed due to technical issues discovered in qualification testing. (18) Award delayed due to technical issues discovered in qualification testing. (19) Award delayed due to technical issues with software integration. (20) Award delayed due to technical issues with software integration.		

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Exhibit P-21, Production Schedule: PB 2024 Navy																					Date: March 2023												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1								P-1 Line Item Number / Title: 0705 / Common Ground Equipment													Aggregated Items: A/C COMMON SUPPORT EQUIPMENT												
Items <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			
1) Hardware																																	
1.13) Platform Support - L Class Ship Crash Crane																																	
	1	2021	NAVY		3	0	3																										3
	1	2022	NAVY		1	0	1																										1
	1	2023	NAVY		4	0	4																										4
	1	2024	NAVY		4	0	4																										4
1.14) Electrical - Medium Capacity MEPP ⁽⁶⁾																																	
	2	2020	NAVY		4	0	4																										4
	2	2022	NAVY		65	0	65																										65
	2	2023	NAVY		69	0	69																										69
	2	2024	NAVY		89	0	89																										89
1.15) Electrical - AECTS Replacement/Modification																																	
	3	2019	NAVY		4	0	4																										4
	3	2022	NAVY		12	0	12																										12
	3	2023	NAVY		9	0	9																										9
	3	2024	NAVY		8	0	8	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 Navy															Date: March 2023									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1										P-1 Line Item Number / Title: 0705 / Common Ground Equipment										Aggregated Items: A/C COMMON SUPPORT EQUIPMENT				

Items (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					
1) Hardware																																			
1.13) Platform Support - L Class Ship Crash Crane																																			
	1	2021	NAVY	3	0	3																											3		
	1	2022	NAVY	1	0	1																											1		
	1	2023	NAVY	4	0	4																											4		
	1	2024	NAVY	4	0	4																											4		
1.14) Electrical - Medium Capacity MEPP ⁽⁶⁾																																			
	2	2020	NAVY	4	0	4																											4		
	2	2022	NAVY	65	0	65																											65		
	2	2023	NAVY	69	0	69																											69		
	2	2024	NAVY	89	0	89																											89		
1.15) Electrical - AECTS Replacement/Modification																																			
	3	2019	NAVY	4	0	4																											A -	4	
	3	2022	NAVY	12	0	12																											12		
	3	2023	NAVY	9	0	9																											9		
	3	2024	NAVY	8	0	8																											8		
							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 Navy																				Date: March 2023																													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1										P-1 Line Item Number / Title: 0705 / Common Ground Equipment										Aggregated Items: A/C COMMON SUPPORT EQUIPMENT																													
Items <i>(Units in Each)</i>							Fiscal Year 2021										Fiscal Year 2022										B A L A N C E																						
O C C O	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																		
1) Hardware																																																	
1.13) Platform Support - L Class Ship Crash Crane																																																	
	1	2021	NAVY		3	0	3											A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3													
	1	2022	NAVY		1	0	1											A -										-	-	-	-	-	-	-	-	-	-	-	-	-	1								
	1	2023	NAVY		4	0	4																					A -										-	-	-	-	-	-	-	-	-	-	-	4
	1	2024	NAVY		4	0	4																																									4	
1.14) Electrical - Medium Capacity MEPP ⁽⁶⁾																																																	
	2	2020	NAVY		4	0	4											A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0											
	2	2022	NAVY		65	0	65																																									65	
	2	2023	NAVY		69	0	69																																									69	
	2	2024	NAVY		89	0	89																																									89	
1.15) Electrical - AECTS Replacement/Modification																																																	
	3	2019	NAVY		4	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	0															
	3	2022	NAVY		12	0	12																																									12	
	3	2023	NAVY		9	0	9																																									9	
	3	2024	NAVY		8	0	8																																									8	
								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 Navy																				Date: March 2023																	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1										P-1 Line Item Number / Title: 0705 / Common Ground Equipment										Aggregated Items: A/C COMMON SUPPORT EQUIPMENT																	
Items <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						
1) Hardware																																					
1.13) Platform Support - L Class Ship Crash Crane																																					
	1	2021	NAVY	3	0	3	-	-	-	-	-	-	-	-	-	1	1	-	1														0				
	1	2022	NAVY	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1														0			
	1	2023	NAVY	4	0	4		A -	-	-	-	-	-	-	-	-	-	-	1	1	1	1											0				
	1	2024	NAVY	4	0	4														A -	-	-	-	-	-	-	-	-	-	-	-	-	-	4			
1.14) Electrical - Medium Capacity MEPP ⁽⁶⁾																																					
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	2	2022	NAVY	65	0	65						A -	-	-	-	-	15	15	15	15	5														0		
	2	2023	NAVY	69	0	69						A -	-	-	-	-	-	-	-	10	15	15	15	14											0		
	2	2024	NAVY	89	0	89														A -	-	-	-	-	-	-	-	-	-	-	15	15	15	44			
1.15) Electrical - AECTS Replacement/Modification																																					
	3	2019	NAVY	4	4	0																												0			
	3	2022	NAVY	12	0	12						A -	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	2				
	3	2023	NAVY	9	0	9						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		7					
	3	2024	NAVY	8	0	8														A -	-	-	-	-	-	-	-	-	-	-	-	-	-		8		
							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 Navy																					Date: March 2023																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Exhibit P-21, Production Schedule: PB 2024 Navy									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1					P-1 Line Item Number / Title: 0705 / Common Ground Equipment				Aggregated Items: A/C COMMON SUPPORT EQUIPMENT			
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	Allied Systems Corp. - Sherwood, OR	6	8	12	0	2	8	10	0	4	11	15
2	Essex Electro Engineers, Inc - Schaumburg, IL	1	1	360	0	1	10	11	0	1	4	5
3	Testek LLC - Wixon, MI	1	5	12	0	11	15	26	0	1	10	11

"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-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy																Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1								P-1 Line Item Number / Title: 0705 / Common Ground Equipment								Aggregated Items Title: ICP/HEADQUARTERS MANAGED SUPPORT EQUIPMENT				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) Hardware																				
1.1) CSE Deficits ⁽²¹⁾	A		-	-	56.374	-	-	10.089	-	-	0.800	-	-	0.800	-	-	-	-	-	0.800
1.2) CSE Replacement Equipment ⁽²²⁾	A		-	-	120.542	-	-	9.755	-	-	17.165	-	-	19.452	-	-	-	-	-	19.452
Subtotal: 1) Hardware			-	-	176.916	-	-	19.844	-	-	17.965	-	-	20.252	-	-	-	-	-	20.252
2) Production Engineering																				
2.1) CSE Deficits	A		-	-	5.304	-	-	1.135	-	-	0.805	-	-	0.787	-	-	-	-	-	0.787
2.2) CSE Replacement Equipment	A		-	-	44.899	-	-	4.304	-	-	4.517	-	-	4.509	-	-	-	-	-	4.509
Subtotal: 2) Production Engineering			-	-	50.203	-	-	5.439	-	-	5.322	-	-	5.296	-	-	-	-	-	5.296
3) Fleet Readiness Team Initiatives																				
3.1) FRT NAE Corrosion Mitigation ⁽²³⁾	A		-	-	-	-	-	-	-	-	0.150	-	-	0.150	-	-	-	-	-	0.150
Subtotal: 3) Fleet Readiness Team Initiatives			-	-	0.000	-	-	-	-	-	0.150	-	-	0.150	-	-	-	-	-	0.150
Total			-	-	227.119	-	-	25.283	-	-	23.437	-	-	25.698	-	-	-	-	-	25.698

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

Footnotes:

⁽²¹⁾ CSE Deficits: Includes procurement of additional CSE quantities to address inventory deficits to satisfy outfitting requirements or modification of existing CSE to extend service life.

⁽²²⁾ FY24 and FY25 Target efforts aimed at reducing intermittent faults in Electrical Wiring Interconnect System (EWIS) on aircraft to improve readiness and reduce related non-value-added maintenance costs. Develop and field Test Program Sets (TPSs) to test and troubleshoot high degrader aircraft EWIS using currently fielded aircraft wiring test equipment. Procure additional quantities of aircraft wiring test equipment to support additional aircraft inventory requirements driven by activities to help reduce EWIS intermittence such as phased EWIS inspection requirements and aircraft EWIS Groom & Tunes events.

⁽²³⁾ Funding supports the procurement component of Fleet Readiness Team project, Naval Aviation Enterprise-wide Corrosion Mitigation, mature technology for targeted Fleet use. The mature technology will allow the maintainer to execute specific corrosion prevention/treatment tasking with greater efficiency.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy																Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1								P-1 Line Item Number / Title: 0705 / Common Ground Equipment								Aggregated Items Title: PECULIAR SUPPORT EQUIPMENT (PSE)				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) AIRCRAFT T/M/S																				
1.1) E-2 C/D PSE	A		-	-	10.944	-	-	10.786	-	-	-	-	-	-	-	-	-	-	-	-
1.2) H-60 R/S PSE	A		-	-	1.871	-	-	0.618	-	-	9.089	-	-	3.746	-	-	-	-	-	3.746
1.3) J-85 PSE	A		-	-	0.423	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) T-45 PSE	A		-	-	3.187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) AV-8B PSE	A		-	-	9.447	-	-	3.041	-	-	2.791	-	-	2.825	-	-	-	-	-	2.825
1.6) E-6 PSE	A		-	-	0.135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.7) H-53 PSE	A		-	-	0.240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.8) Adversary F-16	B		-	-	-	-	-	11.754	-	-	-	-	-	-	-	-	-	-	-	-
1.9) F/A-18A-F / EA-18G	A		-	-	-	-	-	14.992	-	-	-	-	-	-	-	-	-	-	-	-
1.10) C-130T & C-40 (24)	A		-	-	-	-	-	-	-	-	1.938	-	-	2.999	-	-	-	-	-	2.999
1.11) CMV-22 (25)	A		-	-	-	-	-	-	-	-	-	-	-	11.697	-	-	-	-	-	11.697
1.12) E-2 C/D PSE 0204152N (26)	A		-	-	-	-	-	-	-	-	11.347	-	-	11.025	-	-	-	-	-	11.025
1.13) H-60 R/S PSE 0204243N	A		-	-	-	-	-	-	-	-	1.563	-	-	2.844	-	-	-	-	-	2.844
1.14) F/A-18A-F / EA-18G 0204136N (27)	A		-	-	-	-	-	-	-	-	8.251	-	-	8.178	-	-	-	-	-	8.178
1.15) H-1 USMC (28)	A		-	-	-	-	-	-	-	-	-	-	-	2.742	-	-	-	-	-	2.742
1.16) Adversary F-5 USMC (29)	A		-	-	-	-	-	-	-	-	-	-	-	10.200	-	-	-	-	-	10.200
Subtotal: 1) AIRCRAFT T/M/S			-	-	26.247	-	-	41.191	-	-	34.979	-	-	56.256	-	-	-	-	-	56.256
2) FLEET READINESS CENTER (FRC)																				
2.1) Equipment Reconstitution (30)	A		-	-	1.492	-	-	1.962	-	-	1.801	-	-	0.911	-	-	-	-	-	0.911
2.2) Adaptive Manufacturing USMC	A		-	-	1.990	-	-	6.865	-	-	-	-	-	-	-	-	-	-	-	-
2.3) Ready Based Aircraft (RBA) Investment	A		-	-	25.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) FLEET READINESS CENTER (FRC)			-	-	28.482	-	-	8.827	-	-	1.801	-	-	0.911	-	-	-	-	-	0.911
Total			-	-	54.729	-	-	50.018	-	-	36.780	-	-	57.167	-	-	-	-	-	57.167
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0705 / Common Ground Equipment	Aggregated Items Title: PECULIAR SUPPORT EQUIPMENT (PSE)
Footnotes: ⁽²⁴⁾ C/KC-130T and C-40A will receive their first APN-7 since the end of production contract to fund replenishment of deficit Peculiar Support Equipment (PSE) beginning in FY23. Added requirements to outfit Expeditionary Detachments and expanded mission requirements resulted in a deficit of PSE. PSE replenishment required to outfit squadrons in support of Navy Unique Fleet Essential Airlift (NUFEA) operations to include replacing obsolete and/or unsupportable PSE contributing to significant mission capable rate deficiency. Affordability and obsolescence will ultimately become untenable, rendering C/KC-130T and C-40A unsupportable unable to meet its mission capability rate goal. The ramp-up to replace this mission-critical equipment increases from FY23 to FY24 to allow for the extra time and effort needed to coordinate with JB McGuire-Dix-Lakehurst Subject Matter Experts for the initial purchases and ensure the support structure is in place and ready for future-year purchases. ⁽²⁵⁾ Procure sets of CMV-22B Depot, O-level and I-level SE needed to service the CMV-22B aircraft for shore base and shipboard locations. ⁽²⁶⁾ Procure sets of E2/C2 Depot, O and I level deficit SE needed to service the E-2C/C2 and E-2D aircraft for shore base and shipboard locations. ⁽²⁷⁾ Procure sets of F/A-18 Depot, O level and I level deficit SE needed to service the F/A-18 A-F and EA-18G aircraft for shore base and shipboard locations. ⁽²⁸⁾ H-1 has transitioned from production to APN-7 in order to fund replenishment of PSE beginning in FY24. Procure One (1) Harmonization bench, PBMM installation and testing, composite repair set, and Fleet Support Team support equipment procurements to support the H-1 platform. ⁽²⁹⁾ The USMC is establishing adversary capability at MCAS Beaufort, SC via VMFT-402 supporting VMFAT-501 and MAG-14 squadrons as they transition to F-35. This funding provides for the procurement of the Support Equipment required to achieve full operational capability. ⁽³⁰⁾ This funding line is associated with additive manufacturing commodity efforts in direct support of Depot level activities.		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy																Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1								P-1 Line Item Number / Title: 0705 / Common Ground Equipment								Aggregated Items Title: CONSOLIDATED AUTOMATED SUPPORT SYSTEM					
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total			
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
1) Hardware																					
1.1) RT CASS	A		1,740K	149	259.280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.2) eCASS ^{(31)(†)}	A		2,610K	240	626.342	2,485K	33	82.020	2,681K	28	75.060	2,603K	22	57.271	-	-	-	2,603K	22	57.271	
1.3) Fourth-Generation Electro-Optics (EO4) ^{(32)(†)}	B		-	-	-	-	-	-	-	-	-	882,866.66	15	13.243	-	-	-	882,866.66	15	13.243	
Subtotal: 1) Hardware			-	-	885.622	-	-	82.020	-	-	75.060	-	-	70.514	-	-	-	-	-	70.514	
2) ECP																					
2.1) RT CASS	A		-	-	108.352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.2) eCASS ⁽³³⁾	B		-	-	5.164	-	-	0.986	-	-	0.668	-	-	1.578	-	-	-	-	-	1.578	
Subtotal: 2) ECP			-	-	113.516	-	-	0.986	-	-	0.668	-	-	1.578	-	-	-	-	-	1.578	
3) ILS																					
3.1) RT CASS	A		-	-	44.920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.2) eCASS ⁽³⁴⁾	B		-	-	46.356	-	-	0.463	-	-	4.556	-	-	2.870	-	-	-	-	-	2.870	
3.3) Fourth-Generation Electro-Optics (EO4) ⁽³⁵⁾	B		-	-	-	-	-	-	-	-	-	-	-	1.549	-	-	-	-	-	1.549	
Subtotal: 3) ILS			-	-	91.276	-	-	0.463	-	-	4.556	-	-	4.419	-	-	-	-	-	4.419	
4) Production Engineering																					
4.1) RT CASS	A		-	-	93.745	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4.2) eCASS ⁽³⁶⁾	B		-	-	40.362	-	-	3.701	-	-	7.891	-	-	5.648	-	-	-	-	-	5.648	
4.3) Fourth-Generation Electro-Optics (EO4) ⁽³⁷⁾	B		-	-	-	-	-	-	-	-	-	-	-	1.570	-	-	-	-	-	1.570	
Subtotal: 4) Production Engineering			-	-	134.107	-	-	3.701	-	-	7.891	-	-	7.218	-	-	-	-	-	7.218	
5) Non FMP Installations																					
5.1) RT CASS	A		-	-	29.076	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.2) eCASS	B		-	-	18.429	-	-	1.019	-	-	2.654	-	-	2.683	-	-	-	-	-	2.683	
5.3) Fourth-Generation Electro-Optics (EO4) ⁽³⁸⁾	B		-	-	-	-	-	-	-	-	-	-	-	0.874	-	-	-	-	-	0.874	
Subtotal: 5) Non FMP Installations			-	-	47.505	-	-	1.019	-	-	2.654	-	-	3.557	-	-	-	-	-	3.557	
6) FMP Installations																					
6.1) RT CASS	A		-	-	31.275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6.2) eCASS	B		-	-	10.542	-	-	6.100	-	-	4.418	-	-	4.568	-	-	-	-	-	4.568	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy															Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1							P-1 Line Item Number / Title: 0705 / Common Ground Equipment								Aggregated Items Title: CONSOLIDATED AUTOMATED SUPPORT SYSTEM					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
6.3) Fourth-Generation Electro-Optics (EO4) ⁽³⁹⁾	B		-	-	-	-	-	-	-	-	-	-	-	1.699	-	-	-	-	-	1.699
Subtotal: 6) FMP Installations			-	-	41.817	-	-	6.100	-	-	4.418	-	-	6.267	-	-	-	-	-	6.267
Total			-	-	1,313.843	-	-	94.289	-	-	95.247	-	-	93.553	-	-	-	-	-	93.553

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

(†) indicates the presence of a P-5a

Footnotes:

⁽³¹⁾ There are four (4) different configurations of eCASS with the RF configuration being the costliest.

⁽³²⁾ FY24 Increase for EO4 Hardware due to beginning FRP1 in FY24. Expecting delivery of 15 units.

⁽³³⁾ FY24 increase for eCASS ECP due to implementation of latest cyber hardware updates.

⁽³⁴⁾ FY23 increase is due to the efforts required to close-out of initial Full Rate Production run, associated production obsolescence issues and transition to follow-on low rate production.

⁽³⁵⁾ FY24 increase for EO4 ILS to support increased logistics being performed for FRP1.

⁽³⁶⁾ FY23 increase is due to the efforts required to close-out of initial Full Rate Production run, associated production obsolescence issues and transition to follow-on low rate production.

⁽³⁷⁾ FY24 increase for EO4 Production Engineering to support any engineering issues throughout FRP1.

⁽³⁸⁾ FY24 increase is due to the increase scheduled installations for EO4 Ashore and Ships based on availabilities.

⁽³⁹⁾ FY24 increase is due to the increase scheduled installations for EO4 Ashore and Ships based on availabilities.

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1				P-1 Line Item Number / Title: 0705 / Common Ground Equipment					Aggregated Items: CONSOLIDATED AUTOMATED SUPPORT SYSTEM			
Item Number / Title [DODIC]	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>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Hardware												
1.2) eCASS ⁽³¹⁾ (†)		2021	Lockheed Martin (FRP 2) / Orlando, FL	C / FFP	NAWCAD LKE	Dec 2020	Jun 2022	32	2,638K	Y		Apr 2020
1.2) eCASS ⁽³¹⁾ (†)		2022	Lockheed Martin (FRP 2) / Orlando, FL	C / FFP	NAWCAD LKE	Dec 2021	Jun 2023	33	2,485K	Y		Apr 2021
1.2) eCASS ⁽³¹⁾ (†)		2023	Lockheed Martin (FRP 2) / Orlando, FL	C / FFP	NAWCAD LKE	Dec 2022	Jun 2024	28	2,681K	Y		Apr 2022
1.2) eCASS ⁽³¹⁾ (†)		2024	Lockheed Martin (FRP 2) / Orlando, FL	C / FFP	NAWCAD LKE	Dec 2023	Jun 2025	22	2,603K	Y		Apr 2023
1.3) Fourth-Generation Electro-Optics (EO4) ⁽³²⁾ (†)		2024	Lockheed Martin (FRP 1) / Orlando, FL	C / FFP	NAWCAD LKE	Jun 2024	Jun 2025	15	882,866.66	Y		Jun 2023
(†) indicates the presence of a P-21												

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Exhibit P-21, Production Schedule: PB 2024 Navy																								Date: March 2023													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1										P-1 Line Item Number / Title: 0705 / Common Ground Equipment														Aggregated Items: CONSOLIDATED AUTOMATED SUPPORT SYSTEM													
Items <i>(Units in Each)</i>							Fiscal Year 2021														Fiscal Year 2022														BALANCE		
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021														Calendar Year 2022																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP							
1) Hardware																																					
1.2) eCASS ⁽³¹⁾																																					
Prior Years Deliveries: 208																																					
	4	2021	NAVY		32	0	32		A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	3	2	22					
	4	2022	NAVY		33	0	33															A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
	4	2023	NAVY		28	0	28																											28			
	4	2024	NAVY		22	0	22																											22			
1.3) Fourth-Generation Electro-Optics (EO4) ⁽³²⁾																																					
	5	2024	NAVY		15	0	15	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	15					

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Exhibit P-21, Production Schedule: PB 2024 Navy																							Date: March 2023													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1										P-1 Line Item Number / Title: 0705 / Common Ground Equipment													Aggregated Items: CONSOLIDATED AUTOMATED SUPPORT SYSTEM													
Items <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						
1) Hardware																																				
1.2) eCASS ⁽³¹⁾																																				
Prior Years Deliveries: 208																																				
	4	2021	NAVY		32	10	22	3	3	2	3	3	3	2	3																				0	
	4	2022	NAVY		33	0	33	-	-	-	-	-	-	-	-	3	2	3	3	3	3	2	3											0		
	4	2023	NAVY		28	0	28	A -			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	2	2	19						
	4	2024	NAVY		22	0	22														A -	-	-	-	-	-	-	-	-	-	-	-	-	-	22	
1.3) Fourth-Generation Electro-Optics (EO4) ⁽³²⁾																																				
	5	2024	NAVY		15	0	15																								A -	-	-	-	-	15
								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 Navy																		Date: March 2023									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1									P-1 Line Item Number / Title: 0705 / Common Ground Equipment									Aggregated Items: CONSOLIDATED AUTOMATED SUPPORT SYSTEM									

Items <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																										
1) Hardware																																																								
1.2) eCASS ⁽³¹⁾																																																								
Prior Years Deliveries: 208																																																								
	4	2021	NAVY	32	32	0																											0																							
	4	2022	NAVY	33	33	0																											0																							
	4	2023	NAVY	28	9	19																											3	2	2	3	2	3	2																	0
	4	2024	NAVY	22	0	22																											-	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	2	1	1					0
1.3) Fourth-Generation Electro-Optics (EO4) ⁽³²⁾																																																								
	5	2024	NAVY	15	0	15	-	-	-	-	-	-	-	-	1	1	2	1	1	2	1	1	1	1	2	1							0																							
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP																										

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Exhibit P-21, Production Schedule: PB 2024 Navy									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1					P-1 Line Item Number / Title: 0705 / Common Ground Equipment				Aggregated Items: CONSOLIDATED AUTOMATED SUPPORT SYSTEM			
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	Lockheed Martin (FRP 2) - Orlando, FL	24	36	48	0	9	16	25	0	3	18	21
2	Lockheed Martin (FRP 1) - Orlando, FL	15	15	15	0	12	12	24	0	12	12	24

"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-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy															Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1							P-1 Line Item Number / Title: 0705 / Common Ground Equipment								Aggregated Items Title: MOBILE MAINTENANCE FACILITIES					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) HARDWARE																				
1.1) Mobile Facility Vans ^(†)	A		91,735.75	579	53.115	87,093.02	43	3.745	87,500.00	40	3.500	88,975.00	40	3.559	-	-	-	88,975.00	40	3.559
1.2) Complex Decomplex Tool	A		-	-	0.702	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) Environmental Control Units ^(†)	A		6,869.74	760	5.221	3,918.00	44	0.172	3,919.00	48	0.188	3,998.00	50	0.200	-	-	-	3,998.00	50	0.200
1.4) Frequency Converters	A		-	-	0.520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) Static Mobile Frequency Converters	A		125,000.00	17	2.125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) Tactical Quite Generator	A		-	-	28.473	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) HARDWARE			-	-	90.156	-	-	3.917	-	-	3.688	-	-	3.759	-	-	-	-	-	3.759
2) ILS																				
2.1) Non-FMP Installations	A		-	-	24.975	-	-	1.403	-	-	1.427	-	-	1.465	-	-	-	-	-	1.465
Subtotal: 2) ILS			-	-	24.975	-	-	1.403	-	-	1.427	-	-	1.465	-	-	-	-	-	1.465
3) Production Engineering																				
3.1) Mobile Facility Vans	A		-	-	39.740	-	-	1.749	-	-	2.299	-	-	1.976	-	-	-	-	-	1.976
Subtotal: 3) Production Engineering			-	-	39.740	-	-	1.749	-	-	2.299	-	-	1.976	-	-	-	-	-	1.976
4) Miscellaneous Support																				
4.1) Publications	A		-	-	2.072	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) Miscellaneous Support			-	-	2.072	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	156.943	-	-	7.069	-	-	7.414	-	-	7.200	-	-	-	-	-	7.200
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding. (†) indicates the presence of a P-5a																				

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1				P-1 Line Item Number / Title: 0705 / Common Ground Equipment					Aggregated Items: MOBILE MAINTENANCE FACILITIES			
Item Number / Title [DODIC]	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>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) HARDWARE												
1.1) Mobile Facility Vans		2022	Gichner Shelter / Dallastown, PA	C / IDIQ	NAWCAD LKE	Oct 2021	Apr 2022	43	87,093.02	Y		Jul 2020
1.1) Mobile Facility Vans		2023	Gichner Shelter / Dallastown, PA	C / IDIQ	NAWCAD LKE	Oct 2022	Apr 2023	40	87,500.00	Y		Jul 2020
1.1) Mobile Facility Vans		2024	Gichner Shelter / Dallastown, PA	C / IDDQ	NAWCAD LKE	Oct 2023	Apr 2024	40	88,975.00	Y		Jul 2020
1.3) Environmental Control Units		2022	Env. Sys. / Jacksonville, FL	C / FFP	NAWCAD LKE	Oct 2021	Mar 2022	44	3,918.00	Y		Jun 2017
1.3) Environmental Control Units		2023	Env. Sys. / Jacksonville, FL	C / FFP	NAWCAD LKE	Oct 2022	Mar 2023	48	3,919.00	Y		Jun 2017
1.3) Environmental Control Units		2024	Env. Sys. / Jacksonville, FL	C / FFP	NAWCAD LKE	Oct 2023	Mar 2024	50	3,998.00	Y		Jun 2017

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy															Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1								P-1 Line Item Number / Title: 0705 / Common Ground Equipment							Aggregated Items Title: GENERAL SKILLS TRAINING					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) Hardware																				
1.1) A School - Training System Upgrades ⁽⁴⁰⁾	A		-	-	7.373	-	-	0.917	-	-	1.059	-	-	41.150	-	-	-	-	-	41.150
1.2) ACTS - Expeditionary Laptop Upgrades ^{(41)(†)}	A		7,180.00	150	1.077	2,900.00	50	0.145	3,060.00	50	0.153	3,120.00	50	0.156	-	-	-	3,120.00	50	0.156
1.3) ACTS - Prior Year INACTIVE	A		-	-	0.250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) ATC - NATTC 15G31 Upgrade ⁽⁴²⁾	A		-	-	-	-	-	-	-	-	-	-	-	5.046	-	-	-	-	-	5.046
1.5) ATC - 15G34 Block Upgrades	A		-	-	5.264	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) ATC - Naval Air Traffic Trng Center (NATTC) RADAR Bay Upgrade	A		-	-	1.070	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.7) ATC Electronics Technician Radar Trainer	A		-	-	3.900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.9) ATC - USMC Airspace Courseware	A		-	-	2.139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.10) ATC - 15G36 Fundamentals Lab Expansion	A		-	-	-	-	-	4.554	-	-	-	-	-	-	-	-	-	-	-	-
1.13) ATC - East/West Coast Trainer	A		-	-	-	-	-	-	-	-	4.852	-	-	-	-	-	-	-	-	-
1.14) ATC - Prior Year INACTIVE	A		-	-	21.564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.15) NASTP - On Demand Hypoxia Trainer (ODHT) ^(†)	A		140,650.00	20	2.813	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.16) NASTP - 9H1 Helo Hoist Upgrades ⁽⁴³⁾	A		-	-	2.039	-	-	2.337	-	-	-	-	-	1.200	-	-	-	-	-	1.200
1.17) NASTP - Parachute Descent Trainer (PDT) Upgrades ⁽⁴⁴⁾	A		-	-	-	-	-	-	-	-	2.281	-	-	1.200	-	-	-	-	-	1.200
1.18) NASTP - 9F2A & 9F2C Parachute in Water Motor Replacement	A		-	-	0.637	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.19) NASTP - Navy Imaging and Threat	A		-	-	2.121	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy															Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1						P-1 Line Item Number / Title: 0705 / Common Ground Equipment						Aggregated Items Title: GENERAL SKILLS TRAINING								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Eval Lab (NITE LAB) Trainer Upgrades																				
1.24) NASTP - Prior Year INACTIVE	A		-	-	7.843	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.25) LSO - Training System Upgrades	A		-	-	2.862	-	-	3.059	-	-	-	-	-	-	-	-	-	-	-	-
1.26) Common ASW - Interactive Multi-Sensors Analysis Trainer (IMAT) Upgrades ⁽⁴⁵⁾	A		-	-	4.622	-	-	0.432	-	-	0.451	-	-	0.464	-	-	-	-	-	0.464
1.27) Common ASW - Prior Year INACTIVE	A		-	-	0.625	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Hardware			-	-	66.199	-	-	11.444	-	-	8.796	-	-	49.216	-	-	-	-	-	49.216
2) Production Engineering																				
2.1) A School	A		-	-	0.810	-	-	0.074	-	-	0.109	-	-	1.499	-	-	-	-	-	1.499
2.2) ACTS	A		-	-	0.109	-	-	0.003	-	-	0.004	-	-	0.004	-	-	-	-	-	0.004
2.3) ATC	A		-	-	5.380	-	-	0.991	-	-	1.000	-	-	1.050	-	-	-	-	-	1.050
2.4) NASTP	A		-	-	11.716	-	-	0.762	-	-	1.001	-	-	1.052	-	-	-	-	-	1.052
2.5) LSO	A		-	-	1.475	-	-	0.396	-	-	-	-	-	-	-	-	-	-	-	-
2.6) Common ASW	A		-	-	3.023	-	-	0.097	-	-	0.105	-	-	0.105	-	-	-	-	-	0.105
Subtotal: 2) Production Engineering			-	-	22.513	-	-	2.323	-	-	2.219	-	-	3.710	-	-	-	-	-	3.710
3) Production Support																				
3.1) A School	A		-	-	0.448	-	-	0.074	-	-	0.032	-	-	0.800	-	-	-	-	-	0.800
3.2) ACTS	A		-	-	0.907	-	-	0.034	-	-	0.035	-	-	0.035	-	-	-	-	-	0.035
3.3) ATC	A		-	-	3.996	-	-	0.543	-	-	0.550	-	-	0.550	-	-	-	-	-	0.550
3.4) NASTP	A		-	-	4.010	-	-	0.569	-	-	0.567	-	-	0.575	-	-	-	-	-	0.575
3.5) LSO	A		-	-	0.623	-	-	0.198	-	-	-	-	-	-	-	-	-	-	-	-
3.6) Common ASW	A		-	-	0.885	-	-	0.178	-	-	0.185	-	-	0.185	-	-	-	-	-	0.185
Subtotal: 3) Production Support			-	-	10.869	-	-	1.596	-	-	1.369	-	-	2.145	-	-	-	-	-	2.145
Total			-	-	99.581	-	-	15.363	-	-	12.384	-	-	55.071	-	-	-	-	-	55.071
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				
(†) indicates the presence of a P-5a																				
Footnotes:																				
⁽⁴⁰⁾ A School: FY24 funding provides upgrades to additional A School Trainers to include, Aviation Electronics Mate (AE) \$2.2M, AE-MH-60 R/S Trainers \$6.65M, Aviation Structural Mechanical Safety Equipment (AME) \$1.8M A School, Aviation Structural Mechanic (AM) A School Trainers \$.500M, Aviation Ordnanceman (AO)A School trainers \$14M, Aviation Support Equipment Technician (AS) A School Trainers \$6M and AME A School Trainers Upgrades \$10M.																				
⁽⁴¹⁾ ACTS: Upgrades 50 Air Combat Training System (ACTS) expeditionary Laptops that provide a mobile ACTC training capability to deploying Aircrew.																				
⁽⁴²⁾ ATC - NATTC 15G31 Upgrade; FY2024 funds the delivery of a block upgrade to Shore-Based Air Traffic Control Training system to support initial ascension training and follow-on career training.																				
⁽⁴³⁾ NASTP - 9H1 Helo Hoist Upgrade: FY2024 Funds Upgrades to (1) one Helo Hoist Post for Fleet Readiness Center (FRC) East.																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0705 / Common Ground Equipment	Aggregated Items Title: GENERAL SKILLS TRAINING

⁽⁴⁴⁾ NASTP - Virtual Reality Parachute Descent Trainer (VRPDT) changed to NASTP - Parachute Descent Trainer (PDT) Upgrades. Replace 26 Parachute Decent Virtual Reality Trainers (PDVRTs) with 27 next-generation Parachute Descent Trainers (PDTs) at eight Aviation Survival Training Centers (ASTCs)

⁽⁴⁵⁾ CASW: Upgrades the Interactive Multi-Sensors Analysis Trainer (IMAT) trainer courseware to incorporate the latest learning technology and ASW threat analysis.

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1				P-1 Line Item Number / Title: 0705 / Common Ground Equipment					Aggregated Items: GENERAL SKILLS TRAINING			
Item Number / Title [DODIC]	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>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Hardware												
1.2) ACTS - Expeditionary Laptop Upgrades ⁽⁴¹⁾		2021	New Technology Solutions / Fremont, CA	C / FFP	NAWCTSD	Mar 2021	Jul 2021	50	2,900.00	Y		Jan 2021
1.2) ACTS - Expeditionary Laptop Upgrades ⁽⁴¹⁾		2022	New Technology Solutions / Fremont, CA	C / FFP	NAWCTSD	Mar 2022	Jul 2022	50	2,900.00	Y		Jan 2022
1.2) ACTS - Expeditionary Laptop Upgrades ⁽⁴¹⁾		2023	New Technology Solutions / Fremont, CA	C / FFP	NAWCTSD	Mar 2023	Jul 2023	50	3,060.00	Y		Jan 2023
1.2) ACTS - Expeditionary Laptop Upgrades ⁽⁴¹⁾		2024	New Technology Solutions / Fremont, CA	C / FFP	NAWCTSD	Mar 2024	Jul 2024	50	3,120.00	Y		Jan 2024
1.15) NASTP - On Demand Hypoxia Trainer (ODHT)		2019	Lynntech Inc. / College Station, TX	SS / FFP	NAWCTSD	May 2020	Nov 2021	20	39,200.00	Y		Oct 2018

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy																Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1						P-1 Line Item Number / Title: 0705 / Common Ground Equipment										Aggregated Items Title: TOPSCENE				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) Mission Rehearsal Pre-Planned (Topscene)																				
1.1) Product Improvement	A		1,250K	6	7.503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Mission Rehearsal Pre-Planned (Topscene)			-	-	7.503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) ILS																				
2.1) Topscene	A		-	-	1.275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) ILS			-	-	1.275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) Acceptance Testing																				
3.1) Topscene	A		-	-	1.845	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) Acceptance Testing			-	-	1.845	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	10.623	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy																Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1									P-1 Line Item Number / Title: 0705 / Common Ground Equipment							Aggregated Items Title: OTHER FLIGHT TRAINING					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total			
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
1) Hardware																					
1.1) USMC Fed Sim - Aviation Dist Virtual Trng Environ (ADVTE) Modernization ⁽⁴⁶⁾	A		-	-	22.418	-	-	5.096	-	-	9.863	-	-	8.850	-	-	-	-	-	8.850	
1.2) USMC Fed Sim - Interservice Network Connectivity Modernization ⁽⁴⁷⁾	A		-	-	-	-	-	5.868	-	-	4.000	-	-	4.000	-	-	-	-	-	4.000	
1.3) USMC Fed Sim -Marine Common Aircrew Trainer (MCAT)	A		10,541K	7	73.786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.4) USMC Fed Sim - Marine Common Aircrew Trainer (MCAT) Modernization ⁽⁴⁸⁾	A		-	-	-	-	-	-	-	-	-	-	-	10.296	-	-	-	-	-	10.296	
1.5) USMC Fed Sim - CH-53 Trainer Modernization	A		-	-	19.631	-	-	11.908	-	-	-	-	-	-	-	-	-	-	-	-	
1.6) USMC Fed Sim - CH-53E Aircrew Procedure Trnr (APT) Modernization	A		-	-	8.616	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.7) USMC Fed Sim - CH-53E OCONUS Aircrew Procedures Trainer (APT)	A		-	-	7.806	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.8) USMC Fed Sim - KC-130 Trainer Modernization ⁽⁴⁹⁾	A		-	-	54.884	-	-	2.733	-	-	-	-	-	18.416	-	-	-	-	-	18.416	
1.9) USMC Fed Sim - H-1 Trainer Modernization	A		-	-	47.266	-	-	11.598	-	-	31.067	-	-	-	-	-	-	-	-	-	
1.10) USMC Fed Sim - MV-22 CFTD Modernization ⁽⁵⁰⁾	A		-	-	80.616	-	-	4.340	-	-	15.643	-	-	15.950	-	-	-	-	-	15.950	
1.11) USMC Fed Sim - FA-18 C/D Tact Operational Flt Trnr (TOFT) Modernization ⁽⁵¹⁾	A		-	-	50.021	-	-	-	-	-	-	-	-	7.546	-	-	-	-	-	7.546	
1.12) USMC Fed Sim - FA-18 C/D SimuStrike Trainer	A		1,242K	5	6.210	-	-	0.797	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy																Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1								P-1 Line Item Number / Title: 0705 / Common Ground Equipment								Aggregated Items Title: OTHER FLIGHT TRAINING				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1.13) USMC Fed Sim - AV-8B Weapons Systems Trainer (WST) Modernization	A		-	-	26.021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.14) USMC Fed Sim - AV-8B Maintenance Trainer (MT) Modernization	A		-	-	7.464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.15) USMC Fed Sim - AV-8B DMRT Modernization	A		-	-	0.105	-	-	10.937	-	-	-	-	-	-	-	-	-	-	-	-
1.17) Prior Year - Inactive MARINE	A		-	-	27.544	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.18) NASMP - NCTE Nodes ^(†)	A		1,440K	2	2.881	418,000.00	1	0.418	-	-	-	-	-	-	-	-	-	-	-	-
1.19) NASMP - Common Simulation Models Upgrades ⁽⁵²⁾	A		-	-	9.993	-	-	7.375	-	-	4.747	-	-	7.852	-	-	-	-	-	7.852
1.20) NASMP - Cross Domain Solution (CDS)/Network Upgrades	A		-	-	2.046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.21) NASMP - NADTC & Distributed Mission Training (DMT) Enablers Upgrades ⁽⁵³⁾	A		-	-	18.513	-	-	1.077	-	-	3.220	-	-	6.576	-	-	-	-	-	6.576
1.22) NASMP - Carrier Air Wing (CVW) DMT Upgrades ⁽⁵⁴⁾	A		-	-	53.157	-	-	42.261	-	-	66.637	-	-	14.766	-	-	-	-	-	14.766
1.23) NASMP Integrated Training Facility ⁽⁵⁵⁾	A		-	-	58.838	-	-	-	-	-	3.340	-	-	15.200	-	-	-	-	-	15.200
1.24) NASMP - Air Defense Strike Group Facility (ADSGF) Sim Arch Upgrades	A		-	-	8.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.25) NASMP - MH-60R Naval Aircrew Training Systems (NATS)	A		8,904K	4	35.618	-	-	3.667	-	-	-	-	-	-	-	-	-	-	-	-
1.26) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET)	A		11,099K	3	33.296	-	-	3.667	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy															Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1							P-1 Line Item Number / Title: 0705 / Common Ground Equipment								Aggregated Items Title: OTHER FLIGHT TRAINING					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1.27) NASMP - MH-60R/S TOFT Technology and Simulation Upgrades ⁽⁵⁶⁾	A		-	-	-	-	-	8.000	-	-	-	-	-	-	-	-	-	-	-	-
1.28) NASMP - H-60 Cybersecurity and Information Assurance ⁽⁵⁷⁾	A		-	-	-	-	-	2.356	-	-	2.250	-	-	2.250	-	-	-	-	-	2.250
1.29) NASMP - FA/EA-18 - TOFT Software Gold Disk Upgrades ⁽⁵⁸⁾	A		-	-	9.524	-	-	1.954	-	-	2.048	-	-	2.109	-	-	-	-	-	2.109
1.30) NASMP - FA/EA-18 Integ Virtual Environ Maint Trnr (IVEMT) Modernization	A		-	-	4.189	-	-	7.264	-	-	-	-	-	-	-	-	-	-	-	-
1.31) NASMP - FA/EA-18 Trainer Tech Refresh ⁽⁵⁹⁾	A		-	-	-	-	-	-	-	-	11.160	-	-	-	-	-	-	-	-	-
1.32) NASMP - FA/EA-18 - Low Cost Trainer (LCT) ^(†)	A		-	-	-	312,000.00	12	3.744	-	-	-	-	-	-	-	-	-	-	-	-
1.34) NASMP E-2D Cyber Security and Information Assurance	A		-	-	-	-	-	2.457	-	-	-	-	-	-	-	-	-	-	-	-
1.35) NASMP - E-2D Weapon System Trainer Tech Refresh ⁽⁶⁰⁾	A		-	-	1.138	-	-	-	-	-	-	-	-	7.500	-	-	-	-	-	7.500
1.36) NASMP - E-2D Hawkeye Integrated Training System (HITS) WIN10 Upgrades	A		-	-	39.442	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.37) NASMP - E-2D APT Visual Database Update	A		-	-	1.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.38) NASMP - E-2D Courseware	A		-	-	0.494	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.39) NASMP - E-6B OFT/IAT Trainer Modernization ⁽⁶¹⁾	A		-	-	5.920	-	-	2.239	-	-	2.123	-	-	2.451	-	-	-	-	-	2.451
1.40) NASMP - P-8A Information Assurance Upgrades	A		-	-	8.287	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy																Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1									P-1 Line Item Number / Title: 0705 / Common Ground Equipment							Aggregated Items Title: OTHER FLIGHT TRAINING					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total			
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
1.41) NASMP - P-8 Tech Refresh ⁽⁶²⁾	A		-	-	-	-	-	8.000	-	-	13.000	-	-	16.000	-	-	-	-	-	16.000	
1.42) NASMP - EP-3 Tech Refresh	A		-	-	6.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.43) NASMP - MQ-4/8 Unmanned Aerial Vehicle (UAV) Trainer Upgrades ⁽⁶³⁾	A		-	-	-	-	-	-	-	-	1.000	-	-	1.950	-	-	-	-	-	1.950	
1.44) NASMP - CNATRA - T-45 OFT Upgrades	A		-	-	23.487	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.45) NASMP - CNATRA - Pilot Part Task Trainer Upgrades ⁽⁶⁴⁾	A		-	-	6.364	-	-	2.457	-	-	3.000	-	-	3.000	-	-	-	-	-	3.000	
1.46) NASMP - CNATRA - Naval Flt Off (NFO) 2B51 Multi Crew Sim (MCS) Upgrades ⁽⁶⁵⁾	A		-	-	1.859	-	-	7.387	-	-	10.790	-	-	14.984	-	-	-	-	-	14.984	
1.47) NASMP - CNATRA - T-6A/ B Aircrew Training Device (ATD) Upgrades ⁽⁶⁶⁾	A		-	-	1.000	-	-	-	-	-	7.000	-	-	1.500	-	-	-	-	-	1.500	
1.48) NASMP - CNATRA - T-45 Virtual Mission Training System (VMTS) Upgrades	A		-	-	18.031	-	-	3.931	-	-	-	-	-	-	-	-	-	-	-	-	
1.49) NASMP CNATRA NAVOTS Upgrades ⁽⁶⁷⁾	A		-	-	-	-	-	-	-	-	-	-	-	4.000	-	-	-	-	-	4.000	
1.50) MH-53 - CCLPT/ Operational Flight Trainer (OFT)/ASRM Upgrades	A		-	-	2.536	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.51) NASMP - FA/ EA-18 NSF-2 Fidelity Upgrades	A		-	-	60.785	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.52) NASMP - FA/ EA-18 NSF-3 Fidelity Upgrades	A		-	-	41.308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.53) NASMP - MH-60R Technology Refresh Upgrades	A		-	-	22.383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy																Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1						P-1 Line Item Number / Title: 0705 / Common Ground Equipment						Aggregated Items Title: OTHER FLIGHT TRAINING									
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total			
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
1.54) NASMP - MH-60S Technology Refresh Upgrades	A		-	-	44.222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.55) Prior Year - Inactive NAVY ⁽⁶⁸⁾	A		-	-	263.763	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1) Hardware			-	-	1,217.562	-	-	161.531	-	-	190.888	-	-	165.196	-	-	-	-	-	165.196	
2) Production Engineering ⁽⁶⁹⁾																					
2.1) USMC Federation Simulators	A		-	-	86.271	-	-	10.189	-	-	11.493	-	-	11.645	-	-	-	-	-	11.645	
2.2) NASMP	A		-	-	268.426	-	-	28.211	-	-	43.337	-	-	45.560	-	-	-	-	-	45.560	
Subtotal: 2) Production Engineering			-	-	354.697	-	-	38.400	-	-	54.830	-	-	57.205	-	-	-	-	-	57.205	
3) Production Support																					
3.1) USMC Federation Simulators	A		-	-	56.462	-	-	7.601	-	-	8.066	-	-	8.163	-	-	-	-	-	8.163	
3.2) NASMP	A		-	-	120.912	-	-	9.240	-	-	20.271	-	-	18.933	-	-	-	-	-	18.933	
Subtotal: 3) Production Support			-	-	177.374	-	-	16.841	-	-	28.337	-	-	27.096	-	-	-	-	-	27.096	
Total			-	-	1,749.633	-	-	216.772	-	-	274.055	-	-	249.497	-	-	-	-	-	249.497	
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																					
(†) indicates the presence of a P-5a																					
Footnotes:																					
⁽⁴⁶⁾ Aviation Distributed Virtual Training Environment (ADVTE): Expansion and modernization of ADVTE, to include implementation of a Common Virtual Training Area (CVTA), upgrading of the Tactical Environment network (Ten), Marine Virtual Warfare Center (MVWC) and Common Virtual Training Environment (CVAT). FY2024 funds will integrate ADVTE capability with external training partners (USMC ATS to JTAC ground simulators, Navy Continuous Training Environment (NCTE), AF/Joint.																					
⁽⁴⁷⁾ Interservice Network Connectivity Modernization (TEen): Procures Tactical Environment (TEen) modernization for interoperability improvements and semi-automated forces (SAF) improvements. FY2024 funds DO3 to modernize OCONUS TEen Software (SW) modifications and Hardware Installs at MCAS Iwakuni, MCAS Futenma and MCAS Kaneohe Bay.																					
⁽⁴⁸⁾ MCAT FY24 funds the modernization of the seven MCAT systems. The MCAT trainers were initially purchased in FY14,15,16 & 17. Software corrections to baseline configuration plus adding CH-53K configuration to the devices will be funded with FY24 dollars. It addresses obsolescence equipment and updates operation software to meet cyber compliance.																					
⁽⁴⁹⁾ FY2024 funds the modernization and technical insertion to address obsolescence on KCWST-1 and KCWST-2. Replace obsolete hardware, Upgrade KCWST-1 Image Generator, Operating Systems (OS), re-host/upgrade the visual system, upgrade motion control logic, upgrade RADAR & COMS and OS, upgrade Instructor / Operator station computers / host software, upgrade Cyber Security controls/posture.																					
⁽⁵⁰⁾ USMC Fed Sim - MV-22 CFTD Modernization: In FY2022 Awarded contract with a base year and four option years to include concurrent Commercial-off-the-Shelf (COTS) hardware upgrades to 20 MV-22 flight simulators at a pace of four devices updated annually for the next five years (FY22-26). The MV-22 flight trainer hardware will be updated to include the latest generation projectors, display mirrors, host computer systems, image generators, cockpit displays and control loaders components. This procurement will also include the system COTS software licenses, required Physical Configuration Audits (PCA). The FY2024 through FY2026 reflect the actual negotiated option prices and any change in funding will results in a failure to award those options. FY2024 obsolescent work replace the existing Mylar projection screen with mirror glass which lasts longer, however, at a great initial cost which yields a positive return on investment.																					
⁽⁵¹⁾ USMC Fed Sim - FY24 funds Windows 11 operating system upgrade to meet cyber compliance for twenty three Tactical Operating Flight Simulators (TOFT). It also addresses the replacement of obsolescence equipment necessary to keep the trainers viable until FY30 planned end of service date.																					
⁽⁵²⁾ Common Simulation Models Upgrades: FY2024 procures annual updates to common simulation software and models used by Navy and USMC aviation trainers. Includes release of updated Next Generation Threat System (NGTS), Common Acoustic Simulation Environment (CASE), Common Visual Database and Common Weapon Models and Common Network Standards and Interfaces.																					
⁽⁵³⁾ NADTC and Distributed Mission Training Enablers Upgrades: FY2024 procures several specific software fixes for F/A-18 E/F and E-2D simulators and DMT network improvements.																					

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0705 / Common Ground Equipment	Aggregated Items Title: OTHER FLIGHT TRAINING
⁽⁵⁴⁾ FY2024 request continues a multi-year effort to enable Carrier Air Wing (CVW) platform trainers to connect with one another to support secure, cross-T/M/S, integrated training. This allows aircrews across multiple locations to meet the National Defense Strategy priority to build a more lethal force by training to the high-end fight. FY24 procures network upgrades to establish a secure Virtual-Constructive (VC) battlespace necessary to replicate near-peer threats and provide CVW training against advanced adversary systems that cannot be replicated or conducted live due to range and OPSEC limitations. This effort updates F/A-18E/F, EA-18G, E-2D and includes F-35 B/C simulators. It supports DMT by ensuring electronic warfare/threat simulation is common across all mission participants, resolving simulator network discrepancies, addressing platform trainer limitations that prevent repeatable distributed training capability, as well as implementing voice communications upgrades, and realistic jamming effects. ⁽⁵⁵⁾ Integrated Training Facilities (ITF): FY24 procures software and hardware upgrades and integrates systems into the Integrated Simulation Environment (ISE). The ISE leverages the Joint Simulation Environment (JSE) and includes F-35, E-2D, F/A-18E/F, EA-18G, and AEGIS training devices for high fidelity training. Integrated Training Facilities includes sites at NAS Fallon, NAS Lemoore, Elmendorf AFB, MCAS Iwakuni, NAS Whidbey Island, NAS Oceana, and Integrated Training Afloat sites. Integrated Training Facilities includes the Naval Air Warfare Development Center (NAWDC) simulator training facilities, the ITF, Air Wing Training Facility (AWTF), and Air Defense Strike Group Facility (ADSGF). ⁽⁵⁶⁾ FY22 \$8M provided to TOFT 12 CASE FI Retrofit and to procure and install 16 CASE Racks. ⁽⁵⁷⁾ H-60 Cybersecurity and Information Assurance: FY2024 procures annual cybersecurity upgrades and patches required to receive and/or maintain Authority to Operate and Connect H-60 trainers across the Navy Continuous Training Environment (NCTE) ⁽⁵⁸⁾ FA/EA-18 TOFT Software Gold Disk Upgrades: FY2024 procures annual cybersecurity upgrades and patches required to receive and/or maintain Authority to Operate (ATO) and Connect FA/EA-18 trainers across the Navy Continuous Training Environment (NCTE). ⁽⁵⁹⁾ FA/EA-18 Trainer Tech Refresh-- Procures The F/A-18 E/F Maintenance Trainer Set (MTS) Obsolescence Upgrade. Five MTS Devices will be upgraded at Naval Air Station Lemoore and five at Naval Air Station Oceana. ⁽⁶⁰⁾ E-2D WST Tech Refresh: FY2024 upgrades E-2D weapon systems trainer (WST) components and training devices to Win11 Operating System and replace obsolete, high failure prone items. ⁽⁶¹⁾ E-6B OFT/IAT Trainer Modernization: E-6 Trainer Obsolescence Upgrade - FY2024 procures tech refresh of E-6 OFT systems COTS components that are obsolete and unsupported. FY24 also procures annual Cybersecurity upgrades and patches required to receive and/or maintain Authority to Operate. ⁽⁶²⁾ P-8 Tech Refresh: FY2024 procures tech refresh of the Digital Video Recording System on P-8 Trainers at Naval Air Station Jacksonville. ⁽⁶³⁾ MQ-4/8 UAS Trainer Upgrades: FY2024 procures tech refresh of obsolete components and incorporation of Win11 operating system for MQ-4 and MQ-8 trainers. ⁽⁶⁴⁾ CNATRA Part Task Trainer Upgrades: FY 2024 procures virtual reality and augmented reality part task training devices to increase Student Naval Aviator (SNA) Naval Aviation Training Next (NATN) preparedness to fly intermediate and advanced flight training maneuvers, reduce re-fly rate, and increase SNA production throughput to meet Fleet requirements. ⁽⁶⁵⁾ CNATRA Naval Flight Officer (NFO) Multi Crew Simulator (MCS) Upgrades: FY2024 upgrades two (2) MCS devices at NAS Pensacola, FL, and six (6) T-45 Virtual Mission System trainers to address obsolescence and cyber security issues. ⁽⁶⁶⁾ CNATRA T-6A/B Aircrew Training Device (ATD) Upgrades: FY2024 procures hardware and software upgrades to resolve obsolescence issues on seventeen (17) T-6 Operational Flight Trainers (OFTs) and seventeen (17) T-6 Unit Training Devices (UTDs) used for primary flight training. ⁽⁶⁷⁾ CNATRA Naval Air Vehicle Operator Training (NAVOTS) Upgrades. FY 2024 funds procurement of an Air Vehicle Operator Training Systems that meets CNATRA MQ-25 and MQ-9 undergraduate unmanned aerial vehicle operator Syllabus. Tailored to Navy and USMC UAS operator production demand. ⁽⁶⁸⁾ This line captures prior year costs for cost elements that are no longer funded across the FYDP, and where all deliveries of prior year procurements are complete. ⁽⁶⁹⁾ Production Engineering includes annualized Navy Working Capital Fund support costs previously broken out under a separate line as Acceptance Test. Consolidation increases Program Office efficiency and better aligns program technical support costs in accordance with DoD Financial Management Regulations (FMR) guidance.		

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1			P-1 Line Item Number / Title: 0705 / Common Ground Equipment						Aggregated Items: OTHER FLIGHT TRAINING			
Item Number / Title [DODIC]	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>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Hardware												
1.18) NASMP - NCTE Nodes		2021	NWDC / Norfolk, VA	MIPR	DTIC	Jul 2021	Jul 2022	2	400,000.00	Y		Feb 2021
1.18) NASMP - NCTE Nodes		2022	NWDC / Norfolk, VA	MIPR	DTIC	Jul 2022	Jul 2023	1	418,000.00	Y		Feb 2022
1.32) NASMP - FA/EA-18 - Low Cost Trainer (LCT) ^(†)		2022	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Jun 2022	Dec 2023	12	312,000.00	Y		

(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2024 Navy																			Date: March 2023																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1										P-1 Line Item Number / Title: 0705 / Common Ground Equipment										Aggregated Items: OTHER FLIGHT TRAINING													
Items (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			
1) Hardware																																	
1.32) NASMP - FA/EA-18 - Low Cost Trainer (LCT)																																	
	6	2022	NAVY		12	0	12	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	2			
								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 Navy																			Date: March 2023													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1							P-1 Line Item Number / Title: 0705 / Common Ground Equipment												Aggregated Items: OTHER FLIGHT TRAINING													
Items (Units in Each)							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		
1) Hardware																																
1.32) NASMP - FA/EA-18 - Low Cost Trainer (LCT)																																
	6	2022	NAVY		12	10	2	1	1																						0	
								OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

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Exhibit P-21, Production Schedule: PB 2024 Navy									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1					P-1 Line Item Number / Title: 0705 / Common Ground Equipment				Aggregated Items: OTHER FLIGHT TRAINING			
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 Co. - St. Louis, MO	6	20	40	0	2	22	24	0	5	18	23

"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 Navy

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:
1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA
1: Aircraft Support Equip & Facilities

P-1 Line Item Number / Title:
0715 / Aircraft Industrial Facilities

ID Code (A=Service Ready, B=Not Service Ready): A

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)	1,296.950	80.500	101.559	133.815	0.000	133.815	121.056	127.931	129.399	132.404	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1,296.950	80.500	101.559	133.815	0.000	133.815	121.056	127.931	129.399	132.404	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,296.950	80.500	101.559	133.815	0.000	133.815	121.056	127.931	129.399	132.404	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 Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Calibration Equipment Description:
The objective of the Metrology/Calibration (METCAL) Program is to maintain required accuracy and consistency in Navy measurements. This ensures the required measurement accuracy of Test and Measurement Systems (TAMS) and Aviation Support Equipment (SE) used to test, repair and maintain Aviation Weapon Systems is adequate. Calibration is an on-cycle maintenance action and can be described as the comparison of a measurement device/system of unverified/unknown accuracy (TAMS or SE) to a device of known and greater accuracy (Calibration Standard).

Fleet Readiness Centers (FRC) Support Equipment (SE)/Industrial Equipment Description:
The Objective of the FRC SE/Industrial Equipment Investment program is to increase Ready Basic Aircraft (RBA). The purchase of equipment for the Fleet Readiness Centers will increase the agility, capability, and capacity to perform the critical mission of repair, overhaul of aircraft, engines, and components while maintaining the organic industrial capacity to meet current and future requirements.

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy								Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities						P-1 Line Item Number / Title: 0715 / Aircraft Industrial Facilities				
ID Code (A=Service Ready, B=Not Service Ready): A				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-40a	Aircraft Industrial Facilities	P-5a			- / 724.447	- / 29.577	- / 31.071	- / 31.196	- / -	- / 31.196
P-40a	FRC SE/Industrial Equipment	P-5a			- / 572.503	- / 50.923	- / 70.488	- / 102.619	- / -	- / 102.619
P-40	Total Gross/Weapon System Cost				- / 1,296.950	- / 80.500	- / 101.559	- / 133.815	- / 0.000	- / 133.815
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown. Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
Justification: Calibration Equipment: Funds are used to procure Calibration Standards (CALSTDs) and ancillary equipment for Aviation Fleet Intermediate Calibration Activities, Fleet Training Activities, Aviation Navy Calibration Laboratories (NCLs), and the Navy Primary Standards Laboratory (NPSL). CALSTDs procured for Fleet 'I' level use are to replace obsolete and/or irreparable equipment, expand technical measurement capabilities to decrease Depot support costs, reduce out-of-service turn around times, provide enhanced forward deployed geographic support and reduce/control the Naval Air Systems Command (NAVAIR) cost of ownership associated with Calibration. Fleet 'I' level calibration activities support 70% of the total Fleet calibration workload. Maintenance of Fleet calibration capability through this funding results in the release of more expensive Depot level support man-hours for more complex calibration maintenance and calibrations where economy of scale costs dictate single site or geographic calibration center capability. CALSTDs procured for NCLs and the NPSL allow for the automation and improvement of calibration procedures in order to reduce Fleet asset out-of-service and Turn around Time, expand technical calibration capabilities for enhanced in-theater Fleet support, and replace obsolete and high support cost CALSTDs. FRC SE/Industrial Equipment: Funds are used to procure industrial equipment, peculiar and common ground support equipment, necessary to support aircraft, engine, and component depot level repairs. Replacing obsolete and or irreparable equipment, tooling; test equipment. Procuring equipment for modernization, maintenance of equipment along with miscellaneous other production charges in support of production and testing services, at depot facilities. Procuring new types of equipment to modernize and expand technical capabilities to increase throughput. Procuring training aids and fund installation of the equipment to include required environmental enclosures and training equipment; simulators, all in support of aircraft industrial production facilities.										

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy															Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1								P-1 Line Item Number / Title: 0715 / Aircraft Industrial Facilities							Aggregated Items Title: Aircraft Industrial Facilities				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) Aircraft Industrial Facilities																				
1.1) Automated / Interface CALSTDs (1)(†)	A		11,313.71	1,393	15.760	3,229.01	131	0.423	3,139.71	136	0.427	3,120.30	133	0.415	-	-	-	3,120.30	133	0.415
1.2) Low Frequency AC/DC CALSTDs (†)	A		35,461.00	3,974	140.922	11,436.87	499	5.707	11,543.48	598	6.903	11,552.72	588	6.793	-	-	-	11,552.72	588	6.793
1.3) Other CALSTDs Procurement (†)	A		15,772.00	1,500	23.658	6,445.31	128	0.825	6,950.41	121	0.841	7,208.70	115	0.829	-	-	-	7,208.70	115	0.829
1.4) Physical Dimen / Optical CALSTDs (†)	A		74,290.83	2,651	196.945	31,042.15	261	8.102	31,309.43	265	8.297	31,431.23	269	8.455	-	-	-	31,431.23	269	8.455
1.5) RF / Microwave CALSTDs (†)	A		35,220.36	4,352	153.279	15,035.09	513	7.713	14,880.23	526	7.827	14,902.62	534	7.958	-	-	-	14,902.62	534	7.958
1.6) Res / Impedance CALSTDs (†)	A		27,324.04	1,685	46.041	6,747.31	186	1.255	6,692.71	192	1.285	6,810.53	190	1.294	-	-	-	6,810.53	190	1.294
1.7) Logistics / Engineering Support	A		-	-	63.412	-	-	3.977	-	-	3.882	-	-	3.912	-	-	-	-	-	3.912
1.8) Production / Aquisition	A		-	-	84.430	-	-	1.575	-	-	1.609	-	-	1.540	-	-	-	-	-	1.540
Subtotal: 1) Aircraft Industrial Facilities			-	-	724.447	-	-	29.577	-	-	31.071	-	-	31.196	-	-	-	-	-	31.196
Total			-	-	724.447	-	-	29.577	-	-	31.071	-	-	31.196	-	-	-	-	-	31.196

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

(†) indicates the presence of a P-5a

Footnotes:

(1) Each Cost Element with a Quantity represents a number of different end items. The Unit Cost is an average cost for all the end items in Cost Elements 1.1 (Automated/Interface CALSTDs), 1.2 (Low Frequency AC/DC CALSTDs), 1.3 (Other CALSTDs Procurement), 1.4 (Physical/Dimen/Optical CALSTDs), 1.5 (RF/Microwave CALSTDs), and 1.6 (Res/Impedance CALSTDs).

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1			P-1 Line Item Number / Title: 0715 / Aircraft Industrial Facilities						Aggregated Items: Aircraft Industrial Facilities			
Item Number / Title [DODIC]	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 (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Aircraft Industrial Facilities												
1.1) Automated / Interface CALSTDs ⁽¹⁾		2020	Various / Various	C / FP	Multiple	Oct 2019	Oct 2019	126	3,246.03	Y		
1.1) Automated / Interface CALSTDs ⁽¹⁾		2021	Various / Various	C / FP	Multiple	Oct 2020	Oct 2020	128	3,242.19	Y		
1.1) Automated / Interface CALSTDs ⁽¹⁾		2022	Various / Various	C / FP	Multiple	Oct 2021	Oct 2021	131	3,229.01	Y		
1.1) Automated / Interface CALSTDs ⁽¹⁾		2023	Various / Various	C / FP	Multiple	Oct 2022	Oct 2022	136	3,139.71	Y		
1.1) Automated / Interface CALSTDs ⁽¹⁾		2024	Various / Various	C / FP	Multiple	Oct 2023	Oct 2023	133	3,120.30	Y		
1.2) Low Frequency AC/DC CALSTDs		2020	Various / Various	C / FP	Multiple	Oct 2019	Oct 2019	510	10,737.25	Y		
1.2) Low Frequency AC/DC CALSTDs		2021	Various / Various	C / FP	Multiple	Oct 2020	Oct 2020	513	10,902.53	Y		
1.2) Low Frequency AC/DC CALSTDs		2022	Various / Various	C / FP	Multiple	Oct 2021	Oct 2021	499	11,436.87	Y		
1.2) Low Frequency AC/DC CALSTDs		2023	Various / Various	C / FP	Multiple	Oct 2022	Oct 2022	598	11,543.48	Y		
1.2) Low Frequency AC/DC CALSTDs		2024	Various / Various	C / FP	Multiple	Oct 2023	Oct 2023	588	11,552.72	Y		
1.3) Other CALSTDs Procurement		2019	Various / Various	C / FP	Multiple	Oct 2018	Oct 2018	108	6,648.15	Y		
1.3) Other CALSTDs Procurement		2020	Various / Various	C / FP	Multiple	Oct 2019	Oct 2019	127	6,259.84	Y		
1.3) Other CALSTDs Procurement		2021	Various / Various	C / FP	Multiple	Oct 2020	Oct 2020	129	6,271.32	Y		
1.3) Other CALSTDs Procurement		2022	Various / Various	C / FP	Multiple	Oct 2021	Oct 2021	128	6,445.31	Y		
1.3) Other CALSTDs Procurement		2023	Various / Various	C / FP	Multiple	Oct 2022	Oct 2022	121	6,950.41	Y		
1.3) Other CALSTDs Procurement		2024	Various / Various	C / FP	Multiple	Oct 2023	Oct 2023	115	7,208.70	Y		
1.4) Physical Dimen / Optical CALSTDs		2018	Various / Various	C / FP	Multiple	Oct 2017	Oct 2017	248	33,258.06	Y		
1.4) Physical Dimen / Optical CALSTDs		2019	Various / Various	C / FP	Multiple	Oct 2018	Oct 2018	240	29,316.67	Y		
1.4) Physical Dimen / Optical CALSTDs		2020	Various / Various	C / FP	Multiple	Oct 2019	Oct 2019	255	31,490.20	Y		
1.4) Physical Dimen / Optical CALSTDs		2021	Various / Various	C / FP	Multiple	Oct 2020	Oct 2020	262	31,458.02	Y		
1.4) Physical Dimen / Optical CALSTDs		2022	Various / Various	C / FP	Multiple	Oct 2021	Oct 2021	261	31,042.15	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1				P-1 Line Item Number / Title: 0715 / Aircraft Industrial Facilities				Aggregated Items: Aircraft Industrial Facilities				
Item Number / Title [DODIC]	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>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.4) Physical Dimen / Optical CALSTDs		2023	Various / Various	C / FP	Multiple	Oct 2022	Oct 2022	265	31,309.43	Y		
1.4) Physical Dimen / Optical CALSTDs		2024	Various / Various	C / FP	Multiple	Oct 2023	Oct 2023	269	31,431.23	Y		
1.5) RF / Microwave CALSTDs		2020	Various / Various	C / FP	Multiple	Oct 2019	Oct 2019	566	13,116.61	Y		
1.5) RF / Microwave CALSTDs		2021	Various / Various	C / FP	Multiple	Oct 2020	Oct 2020	574	13,153.31	Y		
1.5) RF / Microwave CALSTDs		2022	Various / Various	C / FP	Multiple	Oct 2021	Oct 2021	513	15,035.09	Y		
1.5) RF / Microwave CALSTDs		2023	Various / Various	C / FP	Multiple	Oct 2022	Oct 2022	526	14,880.23	Y		
1.5) RF / Microwave CALSTDs		2024	Various / Various	C / FP	Multiple	Oct 2023	Oct 2023	534	14,902.62	Y		
1.6) Res / Impedance CALSTDs		2020	Various / Various	C / FP	Multiple	Oct 2019	Oct 2019	176	6,886.36	Y		
1.6) Res / Impedance CALSTDs		2021	Various / Various	C / FP	Multiple	Oct 2020	Oct 2020	180	7,023.72	Y		
1.6) Res / Impedance CALSTDs		2022	Various / Various	C / FP	Multiple	Oct 2021	Oct 2021	186	6,747.31	Y		
1.6) Res / Impedance CALSTDs		2023	Various / Various	C / FP	Multiple	Oct 2022	Oct 2022	192	6,692.71	Y		
1.6) Res / Impedance CALSTDs		2024	Various / Various	C / FP	Multiple	Oct 2023	Oct 2023	190	6,810.53	Y		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy															Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1							P-1 Line Item Number / Title: 0715 / Aircraft Industrial Facilities							Aggregated Items Title: FRC SE/Industrial Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) FRC group 0204164N																				
1.1) Divestiture Support	A		-	-	483.732	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) Equipment Purchase ^{(2)(t)}	A		1,607K	42	67.486	1,473K	26	38.297	1,488K	35	52.078	1,549K	50	77.437	-	-	-	1,549K	50	77.437
1.3) Equipment Installation ⁽³⁾	A		-	-	16.080	-	-	9.355	-	-	11.872	-	-	16.652	-	-	-	-	-	16.652
1.4) Acquisition Support ⁽⁴⁾	A		-	-	5.205	-	-	3.271	-	-	6.538	-	-	8.530	-	-	-	-	-	8.530
Subtotal: 1) FRC group 0204164N			-	-	572.503	-	-	50.923	-	-	70.488	-	-	102.619	-	-	-	-	-	102.619
Total			-	-	572.503	-	-	50.923	-	-	70.488	-	-	102.619	-	-	-	-	-	102.619

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

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

Footnotes:

⁽²⁾ Each Cost Element with a Quantity represents a number of different end items. The Unit Cost is an estimated average cost for all the end items in the Cost element and are based on historical values pulled from previous years of Capital Investment Program (CIP) procurement of similar types of equipment.

⁽³⁾ Installation cost for equipment projects include minor facilities and utilities modifications and Naval Facilities Engineering Command support costs. FY24 equipment installation costs are increasing due to 15 additional equipment acquisitions compared to the previous year.

⁽⁴⁾ The acquisition support costs are based on estimated average fees for the Contracting Administration entities, such as Defense Logistics Agency, for their efforts with contract award and procurement administrative functions. FY24 acquisition costs are rising due to the increased number of acquisition packages expected in FY24 to support the higher procurement quantities. Since we are replacing obsolete and or irreparable equipment most of the purchases are unique and need a separate procurement package. The Fleet Infrastructure Optimization Plan (FIOP) efforts of replacing obsolete and or irreparable equipment while enhancing Fleet Readiness Center (FRC) throughput within workshop footprint with purchases which require unique separate procurement package.

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1				P-1 Line Item Number / Title: 0715 / Aircraft Industrial Facilities					Aggregated Items: FRC SE/Industrial Equipment			
Item Number / Title [DODIC]	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>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) FRC group 0204164N												
1.2) Equipment Purchase ⁽²⁾		2020	Various / Various	Various	Multiple	Mar 2020	Mar 2020	17	1,903K	Y		
1.2) Equipment Purchase ⁽²⁾		2021	Various / Various	Various	Multiple	Oct 2020	Oct 2020	25	1,405K	Y		
1.2) Equipment Purchase ⁽²⁾		2022	Various / Various	Various	Multiple	Oct 2021	Oct 2021	26	1,473K	Y		
1.2) Equipment Purchase ⁽²⁾		2023	Various / Various	Various	Multiple	Oct 2022	Oct 2022	35	1,488K	Y		
1.2) Equipment Purchase ⁽²⁾		2024	Various / Various	Various	Multiple	Oct 2023	Oct 2023	50	1,549K	Y		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities							P-1 Line Item Number / Title: 0720 / War Consumables					
ID Code (A=Service Ready, B=Not Service Ready): B				Program Elements for Code B Items: 0204164N, 0204161N, 0604329N				Other Related Program Elements: 0205633N, 0604659N				
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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,280.741	42.431	40.316	44.632	0.000	44.632	48.109	52.662	53.814	55.038	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,280.741	42.431	40.316	44.632	0.000	44.632	48.109	52.662	53.814	55.038	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,280.741	42.431	40.316	44.632	0.000	44.632	48.109	52.662	53.814	55.038	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	1.495	3.026	2.382	-	2.382	2.199	2.038	2.332	2.828	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The WAR CONSUMABLES P-1 line item has two subcategories: Common Aircraft Armament Equipment (AAE) and Aerial Refueling Stores (ARS). The Common AAE program procures, modifies and upgrades common bomb racks, peculiar bomb racks, missile launchers and related support for USN/USMC platforms. The ARS program procures, modifies, and upgrades aerial refueling stores, External Fuel Tanks (EFT) and related support. COMMON AIRCRAFT ARMAMENT EQUIPMENT (AAE) As directed by OPNAVINST 8000.16B (Naval Ordnance Maintenance Management Program (NOMMP)), the appropriation provides for procurement of new AAE to replace attrition losses, provides for production engineering support and satisfies commonality policy goals set forth by the Navy's Strike Warfare Master Plan. Specifically, the following equipment is funded as AAE within the War Consumables budget: - Upgrades, modifications and reliability improvements to common and peculiar bomb rack. - Upgrades, modifications and reliability improvements to various missile launchers and associated equipment that support the following platforms: F/A-18 A-F, EA-18G, AV-8B, P-3C, AH-1W/Z, UH-1N/Y and MH-60R/S. - Upgrades, modifications and reliability improvements to Pure Air Generating Systems (PAGS). There are two variants of PAGS, Marotta Pure Air Compression Technology (MPACT)/High Pressure Pure Air Generators (HiPPAG), currently in use as on-board coolant generator for missile launchers carrying infrared (IR) seeking missiles. - The BRU-55 is an upgrade to the BRU-33 CVER (Canted Vertical), with electronic upgrades, which allows for the carriage and release of two MIL-STD-1760 weapons from a single F/A-18 A-F station. The BRU-55 was developed as part of the Mk-82 JDAM program. - A Universal Armament Interface (UAI) Type II interface is required for operation and carriage of the Small Diameter Bomb II (SDB II) weapon on the threshold aircrafts F-35B and F-35C and the objective aircraft F/A-18 E/F for the Department of the Navy (DoN). DoN will be using BRU-55 for carriage on F-18 E/F aircraft and BRU-61 for F-35 B/C to support the SDB II warfighter requirements, Initial Operating Capability (IOC), and schoolhouse requirements. BRU-55 A/A's will be modified to BRU-55 B/A's. AERIAL REFUELING STORES (ARS) The ARS program finances Aerial Refueling Systems, EFT and related support equipment. Requirements are determined by an inventory objective, which supports peacetime/wartime needs. Aircraft equipped with the A/A42R-1 Aerial Refueling Stores (ARS) are required for all carrier based tanking missions. Total reliance on the ARS and integration in the F/A-18E/F requires substantial improvements to the existing stores to ensure their viability through 2040. Investigation of major subsystems support the improvement of the ARS to achieve life cycle cost savings, mitigation of flight safety risk and reliability enhancements.												

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities		P-1 Line Item Number / Title: 0720 / War Consumables
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0204164N, 0204161N, 0604329N	Other Related Program Elements: 0205633N, 0604659N
Line Item MDAP/MAIS Code: N/A		
The following equipment is funded as ARS within the War Consumables budget: - External Fuel Tanks for F/A-18 (A-D variants), required to meet the Fleet Response plan and replace original equipment due to fatigue issues. - ARS Support Equipment - External Fuel Tank Support Equipment - Provides production support, modification, and modernization of ARS and EFT products.		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy

Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity:
1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA
1: Aircraft Support Equip & Facilities

P-1 Line Item Number / Title:
0720 / War Consumables

ID Code (A=Service Ready, B=Not Service Ready): B

Program Elements for Code B Items: 0204164N, 0204161N, 0604329N

Other Related Program Elements: 0205633N, 0604659N

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-40a	War Consumables	P-5a, P-21			- / 1,280.741	- / 42.431	- / 40.316	- / 44.632	- / -	- / 44.632
P-40	Total Gross/Weapon System Cost				- / 1,280.741	- / 42.431	- / 40.316	- / 44.632	- / 0.000	- / 44.632

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

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

Justification:

FY 2024 request provides funding to procure, modify and/or upgrade bomb racks, missile launchers, Aerial Refueling Store, and associated support. FY 2024 procurements support the following platforms: F/ A-18 A-F, EA-18G, AV-8B, P-3C, AH-1W/Z, UH-1N/Y, MH-60R/S, F-35B, and F-35C. Fluctuations in funding from year to year are based on the required modifications and upgrades to support multiple aircraft Type/Model/Series. This may also cause the budget line to exceed the OSD standard inflation rate.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy																Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1						P-1 Line Item Number / Title: 0720 / War Consumables									Aggregated Items Title: War Consumables					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) Common AAE ⁽¹⁾																				
1.1) Bomb Rack Mod Kits & Install ⁽²⁾	A		-	-	64.639	-	-	11.967	-	-	3.663	-	-	2.857	-	-	-	-	-	2.857
1.2) Launcher Upgrade & Installation ⁽³⁾	A		-	-	80.360	-	-	11.975	-	-	3.665	-	-	2.849	-	-	-	-	-	2.849
1.3) BRU-55 B/A ^{(4)(†)}	A		26,572.73	220	5.846	26,759.77	220	5.887	26,992.00	220	5.938	27,560.66	220	6.063	-	-	-	27,560.66	220	6.063
1.4) BRU-61 ^{(5)(†)}	B		-	-	-	-	-	-	247,932.00	72	17.851	255,370.00	72	18.387	-	-	-	255,370.00	72	18.387
1.5) ILS	A		-	-	20.800	-	-	2.143	-	-	2.150	-	-	2.193	-	-	-	-	-	2.193
1.6) Product Improvement	A		-	-	44.453	-	-	0.959	-	-	0.944	-	-	0.963	-	-	-	-	-	0.963
1.7) Product Engineering ⁽⁶⁾	A		-	-	54.016	-	-	2.001	-	-	2.005	-	-	2.045	-	-	-	-	-	2.045
1.8) Various ⁽⁷⁾	A		-	-	505.969	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Common AAE			-	-	776.083	-	-	34.932	-	-	36.216	-	-	35.357	-	-	-	-	-	35.357
2) Aerial Refueling Stores ⁽⁸⁾																				
2.1) Aerial Refueling Stores ⁽⁹⁾	A		-	-	93.335	-	-	5.522	-	-	2.084	-	-	3.969	-	-	-	-	-	3.969
2.2) Aerial Refueling Store Upgrades ⁽¹⁰⁾	B		-	-	-	-	-	-	-	-	-	-	-	2.000	-	-	-	-	-	2.000
2.3) Aerial Refueling Store Upgrades Support ⁽¹¹⁾	A		-	-	-	-	-	-	-	-	-	-	-	1.250	-	-	-	-	-	1.250
2.4) Product Support	A		-	-	31.279	-	-	1.977	-	-	2.016	-	-	2.056	-	-	-	-	-	2.056
2.5) Various	A		-	-	380.044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) Aerial Refueling Stores			-	-	504.658	-	-	7.499	-	-	4.100	-	-	9.275	-	-	-	-	-	9.275
Total			-	-	1,280.741	-	-	42.431	-	-	40.316	-	-	44.632	-	-	-	-	-	44.632
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				
^(†) indicates the presence of a P-5a																				
Footnotes:																				
⁽¹⁾ Fluctuations in funding from year to year are based on the required modifications and upgrades to support multiple aircraft T/M/S. This may also causes the budget line to exceed the OSD standard inflation rate.																				
⁽²⁾ FY 2024 procurement reflects Fleet requirements and continuation of efforts, supporting any Bomb Rack ECPs to improve readiness and/or address safety issues.																				
⁽³⁾ Launcher Upgrade & Installation costs fluctuate year to year due to prioritization of Fleet readiness requirements.																				
⁽⁴⁾ This Cost Element supports incorporation of BRU-55 B/A ECP into ~880 production units which will allow carriage of SDBII on F/A-18E/F and also allow carriage of current legacy and 1760 type weapons. This includes procurement of JMMI Umbilicals, Sway Brace Adapters, Cartridge Breeches, and associated Support Equipment. This also supports the Marine Legacy F/A-18A-D Hornets platform as there is limited availability of BRU-33 Carcasses to support the BRU-55 A/A Modification and all BRU-33s in current fleet inventory are required for Rocket Mission Capabilities on Marine Legacy F/A-18A-D Hornets.																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0720 / War Consumables	Aggregated Items Title: War Consumables
(5) BRU-61 unit cost and procurement quantities represent base prices for the BRU-61C/A that is to be procured. Fluctuations in procurement quantities and unit costs are driven by a unit cost curve in which costs decrease with increased procurement quantities. (6) Funding provided for engineering support, to include but not limited to; engineering investigations, analysis of ECPs, production support, production testing, technical support, quality assurance, Upgrades, modifications and reliability improvements to common and peculiar bomb racks and to various missile launchers and associated equipment. (7) The amount identified against this cost element reflects total prior year funding associated with equipment no longer procured. (8) Fluctuations in funding from year to year are based on the required modifications and upgrades to support multiple aircraft T/M/S. This may also causes the budget line to exceed the OSD standard inflation rate. (9) Fluctuations in funding from year to year are based on the required modifications and upgrades to support multiple aircraft T/M/S. (10) FY 2024 is the first year of funding for ARS upgrades. Efforts include modifications to individual ARS components that will improve performance and readiness. The ARS updates will package new technologies into the existing store that will support both manned and unmanned (automated) aerial refueling from platforms such as the F/A-18 and MQ-25. (11) FY 2024 is the first year of funding for ARS upgrades support. ARS Upgrades Support Cost Element (C.E: 2.3) is established to provide production support of the ARS Upgrades Cost Element (C.E: 2.2). Support Efforts include production qualification, modifications and integration, production test, and associated ARS production upgrade support as required.		

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1				P-1 Line Item Number / Title: 0720 / War Consumables					Aggregated Items: War Consumables			
Item Number / Title [DODIC]	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>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Common AAE												
1.3) BRU-55 B/A ⁽⁴⁾ (†)		2021	L3 Harris / North Amittyville, NY	SS / FFP	Lakehurst, NJ	Sep 2021	Sep 2023	220	26,571.10	Y		Apr 2020
1.3) BRU-55 B/A ⁽⁴⁾ (†)		2022	L3 Harris / North Amittyville, NY	SS / FFP	Lakehurst, NJ	Jan 2022	Jan 2024	220	26,759.77	Y		Apr 2021
1.3) BRU-55 B/A ⁽⁴⁾ (†)		2023	L3 Harris / North Amittyville, NY	SS / FFP	Lakehurst, NJ	Jan 2023	Jan 2025	220	26,992.00	Y		Apr 2022
1.3) BRU-55 B/A ⁽⁴⁾ (†)		2024	L3 Harris / North Amittyville, NY	SS / FFP	Lakehurst, NJ	Jan 2024	Jan 2026	220	27,560.66	Y		Apr 2023
1.4) BRU-61 ⁽⁵⁾ (†)		2023	Boeing Co. / St. Charles, MO	SS / FFP	NAVAIR NAS Patuxent River, MD	Jul 2023	Nov 2024	72	247,932.00	N	Jun 2023	Mar 2022
1.4) BRU-61 ⁽⁵⁾ (†)		2024	Boeing Co. / St. Charles, MO	SS / FFP	NAVAIR NAS Patuxent River, MD	Jun 2024	Oct 2025	72	255,370.00	N	Jun 2023	Mar 2023

(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2024 Navy																							Date: March 2023														
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1										P-1 Line Item Number / Title: 0720 / War Consumables													Aggregated Items: War Consumables														
Items <i>(Units in Each)</i>							Fiscal Year 2021												Fiscal Year 2022													BALANCE					
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021												Calendar Year 2022																		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP							
1) Common AAE																																					
1.3) BRU-55 B/A ⁽⁴⁾																																					
	7	2021	NAVY		220	0	220													A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	220		
	7	2022	NAVY		220	0	220																		A -	-	-	-	-	-	-	-	-	-	-	-	220
	7	2023	NAVY		220	0	220																							220							
	7	2024	NAVY		220	0	220																							220							
1.4) BRU-61 ⁽⁵⁾																																					
	8	2023	NAVY		72	0	72																							72							
	8	2024	NAVY		72	0	72																							72							
								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 Navy																							Date: March 2023												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1										P-1 Line Item Number / Title: 0720 / War Consumables													Aggregated Items: War Consumables												
Items <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					
1) Common AAE																																			
1.3) BRU-55 B/A ⁽⁴⁾																																			
	7	2021	NAVY	220	0	220	-	-	-	-	-	-	-	-	-	-	-	18	18	18	18	18	18	18	18	19	19	19	19		0				
	7	2022	NAVY	220	0	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	18	18	18	18	18	18	18	19	57				
	7	2023	NAVY	220	0	220	A -			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	220					
	7	2024	NAVY	220	0	220																A -	-	-	-	-	-	-	-	-	-	-	-	-	220
1.4) BRU-61 ⁽⁵⁾																																			
	8	2023	NAVY	72	0	72										A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72			
	8	2024	NAVY	72	0	72																							A -	-	-	-	-	72	
							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 Navy																				Date: March 2023													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1										P-1 Line Item Number / Title: 0720 / War Consumables										Aggregated Items: War Consumables													
Items <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		
1) Common AAE																																	
1.3) BRU-55 B/A ⁽⁴⁾																																	
	7	2021	NAVY	220	220	0																											0
	7	2022	NAVY	220	163	57	19	19	19																								0
	7	2023	NAVY	220	0	220	-	-	-	18	18	18	18	18	18	18	19	19	19	19												0	
	7	2024	NAVY	220	0	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	18	18	18	18	18	18	18	18	19	57		
1.4) BRU-61 ⁽⁵⁾																																	
	8	2023	NAVY	72	0	72	-	6	6	6	6	6	6	6	6	6	6	6															0
	8	2024	NAVY	72	0	72	-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	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 Navy																								Date: March 2023											
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1										P-1 Line Item Number / Title: 0720 / War Consumables														Aggregated Items: War Consumables											
Items <i>(Units in Each)</i>							Fiscal Year 2027														Fiscal Year 2028														BALANCE
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT				Calendar Year 2027											Calendar Year 2028														
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
1) Common AAE																																			
1.3) BRU-55 B/A ⁽⁴⁾																																			
	7	2021	NAVY		220	220	0																									0			
	7	2022	NAVY		220	220	0																									0			
	7	2023	NAVY		220	220	0																									0			
	7	2024	NAVY		220	163	57	19	19	19																						0			
1.4) BRU-61 ⁽⁵⁾																																			
	8	2023	NAVY		72	72	0																									0			
	8	2024	NAVY		72	72	0																									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 Navy									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1				P-1 Line Item Number / Title: 0720 / War Consumables					Aggregated Items: War Consumables			
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	L3 Harris - North Amittyville, NY	60	180	300	0	12	24	36	0	4	24	28
2	Boeing Co. - St. Charles, MO	20	130	240	0	10	16	26	0	9	16	25

"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 Navy										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities							P-1 Line Item Number / Title: 0725 / Other Production Charges					
ID Code (A=Service Ready, B=Not Service Ready): A				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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	226.025	21.374	46.403	49.907	0.000	49.907	65.637	65.760	66.166	67.649	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	226.025	21.374	46.403	49.907	0.000	49.907	65.637	65.760	66.166	67.649	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	226.025	21.374	46.403	49.907	0.000	49.907	65.637	65.760	66.166	67.649	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 Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The Other Production Charges line provides funds for miscellaneous production support and testing services, aircraft pods, and instrumentation packages supporting tactical aircrew combat training and mobile sea range systems. The budget request supports the following efforts: TACTICAL COMBAT TRAINING SYSTEM (TCTS): The TCTS program will procure fixed, transportable and mobile range equipment for the Navy for both shore-based (aircrew training) and deployable (ship/aircrew training) applications. TCTS instrumentation will transmit and track instrumented exercise participants and events (e.g., weapons engagements), and provide accurate, realistic, and timely exercise feedback. TCTS is building on technology developed for existing tactical training range systems. TCTS Increment I procurement primarily acquires airborne instrumentation Participant Subsystems (PS) for F/A-18 and other tactical aircraft via Airborne Subsystems (AS). TCTS Increment II procures new PS to include Airborne Subsystem (AS), Internal Mount (IM), and Internal Rotary Shipboard Subsystem (IRSS) to provide multilevel security encryption capability for Fleet training exercises. The program will also procure Portable Support Equipment Subsystem (PSES).												

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy								Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities						P-1 Line Item Number / Title: 0725 / Other Production Charges				
ID Code (A=Service Ready, B=Not Service Ready): A				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-40a	Other Production Charges	P-5a, P-21			- / 226.025	- / 21.374	- / 46.403	- / 49.907	- / -	- / 49.907
P-40	Total Gross/Weapon System Cost				- / 226.025	- / 21.374	- / 46.403	- / 49.907	- / 0.000	- / 49.907
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

Justification:
The FY 2024 request will continue Full Rate Production of Tactical Combat Training System Increment II (TCTS II). TCTS II will procure 64 Participant Subsystems (PS) and 3 units of Portable Support Equipment Subsystem (PSES).

The FY 2024 request will also continue integration of Next Generation Threat System (NGTS) software to support Aviation Live-Virtual-Constructive (LVC) requirements.

The FY 2023 to FY 2024 increase of \$3.504M continues the increased pace of fielding TCTS II that started in FY 2023.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy															Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1							P-1 Line Item Number / Title: 0725 / Other Production Charges								Aggregated Items Title: Other Production Charges					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) Tactical Combat Training System																				
1.1) Participant Subsystem (PS) ^{(1)(†)}	A		3,697K	30	110.912	631,083.33	24	15.146	557,838.61	48	26.776	459,298.50	64	29.395	-	-	-	459,298.50	64	29.395
1.2) TCTS Inc II Portable Support Equipment Subsystem (PSES) ^{(2)(†)}	A		459,000.00	1	0.459	450,000.00	1	0.450	459,198.90	2	0.918	468,247.00	3	1.405	-	-	-	468,247.00	3	1.405
1.4) TCTS II Engineering Change Proposal ⁽³⁾	A		-	-	-	-	-	-	-	-	3.150	-	-	4.000	-	-	-	-	-	4.000
1.5) TCTS Increment I Block Upgrade	A		-	-	10.666	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) Production Engineering ⁽⁴⁾	A		-	-	27.264	-	-	4.126	-	-	7.122	-	-	9.573	-	-	-	-	-	9.573
1.7) Production Support ⁽⁵⁾	A		-	-	0.877	-	-	1.652	-	-	1.693	-	-	2.580	-	-	-	-	-	2.580
1.8) Non Recurring ⁽⁶⁾	A		-	-	75.847	-	-	-	-	-	6.744	-	-	2.954	-	-	-	-	-	2.954
Subtotal: 1) Tactical Combat Training System			-	-	226.025	-	-	21.374	-	-	46.403	-	-	49.907	-	-	-	-	-	49.907
Total			-	-	226.025	-	-	21.374	-	-	46.403	-	-	49.907	-	-	-	-	-	49.907
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				
(†) indicates the presence of a P-5a																				
Footnotes:																				
(1) Participant Subsystem: FY 2024 funds the procurement of 64 complete Participant Subsystems (PS) to support continued fielding at NAS Fallon, NAS Lemoore, and initial fielding of TCTS II at MCAS Miramar, MCAS Yuma, and Southern California Tactical Training Range (SCTTR). Annual quantities procured have been updated to reflect the latest negotiated contract costs and Department of the Navy investment to accelerate production and delivery of TCTS II quantities.																				
(2) Portable Support Equipment Subsystem (PSES): FY 2024 funds the procurement of three complete PSES to support initial fielding of TCTS II at MCAS Miramar, MCAS Yuma, and Southern California Tactical Training Range (SCTTR). Annual quantities procured have been updated to reflect the latest negotiated contract costs and Department of the Navy investment to accelerate production and delivery of TCTS II quantities.																				
(3) TCTS II Engineering Change Proposal (ECP) funds procurement of critical software and hardware updates to TCTS II Participant Subsystems (PS) to ensure cybersecurity compliance and connectivity with existing range infrastructure in support of connected Live-Virtual-Constructive (LVC) training requirements.																				
(4) Production Engineering: Increase of funds in FY 2024 will account for Interim Contractor Support (ICS) costs that will increase each year as delivered quantities increase until that costs changes to OMN funding in FY 2027. Additional manpower is needed to support cybersecurity requirements for TCTS II.																				
(5) Production Support increase in FY 2024 is required to support TCTS II Full Rate Production efforts. The increase in FY 2024 is attributable to the workforce moving from development to procurement funding to support TCTS II Phase 1 production.																				
(6) FY 2024 Non-Recurring includes funding for software licenses, CDRLs and non-recurring labor. FY 2023 to FY 2024 reduction is because third-party validation of Technical Data Package and software upgrade were completed in FY 2023.																				

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1			P-1 Line Item Number / Title: 0725 / Other Production Charges					Aggregated Items: Other Production Charges				
Item Number / Title [DODIC]	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 (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Tactical Combat Training System												
1.1) Participant Subsystem (PS) (1)(f)		2021	Collins Aerospace / Cedar Rapids, IA	C / FPIF	NAWCTSD	May 2021	Jun 2022	30	488,166.67	Y		May 2020
1.1) Participant Subsystem (PS) (1)(f)		2022	Collins Aerospace / Cedar Rapids, IA	C / FPIF	NAWCTSD	Mar 2022	Apr 2023	24	631,083.33	Y		Feb 2021
1.1) Participant Subsystem (PS) (1)(f)		2023	Collins Aerospace / Cedar Rapids, IA	C / FPIF	NAWCTSD	Jan 2023	Feb 2024	48	557,838.61	Y		Apr 2022
1.1) Participant Subsystem (PS) (1)(f)		2024	Collins Aerospace / Cedar Rapids, IA	C / FPIF	NAWCTSD	Dec 2023	Jan 2025	64	459,298.50	Y		Mar 2023
1.2) TCTS Inc II Portable Support Equipment Subsystem (PSES) ⁽²⁾		2021	Collins Aerospace / Cedar Rapids, IA	C / FPIF	NAWCTSD	May 2021	Jun 2022	1	459,000.00	Y		May 2020
1.2) TCTS Inc II Portable Support Equipment Subsystem (PSES) ⁽²⁾		2022	Collins Aerospace / Cedar Rapids, IA	C / FPIF	NAWCTSD	Mar 2022	Apr 2023	1	450,000.00	Y		Feb 2021
1.2) TCTS Inc II Portable Support Equipment Subsystem (PSES) ⁽²⁾		2023	Collins Aerospace / Cedar Rapids, IA	C / FPIF	NAWCTSD	Jan 2023	Feb 2024	2	459,198.90	Y		Apr 2022
1.2) TCTS Inc II Portable Support Equipment Subsystem (PSES) ⁽²⁾		2024	Collins Aerospace / Cedar Rapids, IA	C / FPIF	NAWCTSD	Dec 2023	Jan 2025	3	468,247.00	Y		Mar 2023

^(f) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2024 Navy																			Date: March 2023																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1										P-1 Line Item Number / Title: 0725 / Other Production Charges										Aggregated Items: Other Production Charges																							
Items <i>(Units in Each)</i>								Fiscal Year 2021										Fiscal Year 2022										BALANCE															
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021										Calendar Year 2022																										
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN		JUL	AUG	SEP												
1) Tactical Combat Training System																																											
1.1) Participant Subsystem (PS) ⁽¹⁾																																											
	9	2021	NAVY		30	0	30											A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	6					
	9	2022	NAVY		24	0	24																					A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
	9	2023	NAVY		48	0	48																															48					
	9	2024	NAVY		64	0	64																															64					
								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 Navy																			Date: March 2023															
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1								P-1 Line Item Number / Title: 0725 / Other Production Charges												Aggregated Items: Other Production Charges														
Items (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				
1) Tactical Combat Training System																																		
1.1) Participant Subsystem (PS) ⁽¹⁾																																		
	9	2021	NAVY	30	24	6	6																											0
	9	2022	NAVY	24	0	24	-	-	-	-	-	-	5	5	5	5	4																	0
	9	2023	NAVY	48	0	48				A	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	4	16				
	9	2024	NAVY	64	0	64													A	-	-	-	-	-	-	-	-	-	-	-	-	-	64	
							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 Navy																			Date: March 2023														
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1										P-1 Line Item Number / Title: 0725 / Other Production Charges										Aggregated Items: Other Production Charges													
Items <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		
1) Tactical Combat Training System																																	
1.1) Participant Subsystem (PS) ⁽¹⁾																																	
	9	2021	NAVY	30	30	0																											0
	9	2022	NAVY	24	24	0																											0
	9	2023	NAVY	48	32	16	4	4	4	4																							0
	9	2024	NAVY	64	0	64	-	-	-	5	5	5	5	5	5	5	5	6	6	7								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 Navy									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1				P-1 Line Item Number / Title: 0725 / Other Production Charges					Aggregated Items: Other Production Charges			
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	Collins Aerospace - Cedar Rapids, IA	22	156	180	5	7	13	20	5	3	13	16

"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 Navy										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities							P-1 Line Item Number / Title: 0770 / Judgment Fund					
ID Code (A=Service Ready, B=Not Service Ready): A				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)	0.000	1.453	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	1.453
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	0.000	1.453	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	1.453
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	1.453	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	1.453
(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 Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line finances Judgment Fund reimbursements.												

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities							P-1 Line Item Number / Title: 0790 / Cancelled Account Adjustments					
ID Code (A=Service Ready, B=Not Service Ready): A				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)	0.000	0.097	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.097
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	0.000	0.097	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.097
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	0.097	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.097
(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 Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line finances cancelled account adjustments.												

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