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**Department of Defense
Fiscal Year (FY) 2018 Budget Estimates**

May 2017



Navy

Justification Book Volume 4 of 4

Aircraft Procurement, Navy

Budget Activity 07

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The estimated cost for this report for the Department of Navy (DON) is \$1,330.

The estimated total cost for supporting the DON budget justification material is approximately \$1,142,960 for the 2017 fiscal year. This includes \$76,659 in supplies and \$1,066,301 in labor.

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Navy • Budget Estimates FY 2018 • Procurement

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Department of Defense Appropriations Act, 2018

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, \$15,213,535,000, to remain available for obligation until September 30, 2020.

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Department of the Navy
 FY 2018 President's Budget Request
 Exhibit P-1 FY 2018 President's Budget Request
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation -----	FY 2016 Base + OCO -----	FY 2017 PB Request with CR Adj Base -----	FY 2017 Total PB Requests* with CR Adj Base -----
Aircraft Procurement, Navy	17,623,733	17,487,901	21,494,878
Total Department of the Navy	17,623,733	17,487,901	21,494,878

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Department of the Navy
 FY 2018 President's Budget Request
 Exhibit P-1 FY 2018 President's Budget Request
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation -----	FY 2017 PB Request with CR Adj OCO -----	FY 2017 Total PB Requests* with CR Adj OCO -----	FY 2017 Less Enacted Div B P.L.114-254** OCO -----	FY 2017 Remaining Req with CR Adj OCO -----
Aircraft Procurement, Navy	210,990	296,409		296,409
Total Department of the Navy	210,990	296,409		296,409

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Department of the Navy
 FY 2018 President's Budget Request
 Exhibit P-1 FY 2018 President's Budget Request
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation -----	FY 2017 Total PB Requests** with CR Adj Base+OCO+SAA -----	FY 2017 Total PB Requests* with CR Adj Base + OCO -----	FY 2017 Less Enacted Div B P.L.114-254** OCO -----	FY 2017 Remaining Req with CR Adj Base + OCO -----
Aircraft Procurement, Navy	17,698,891	21,791,287		21,791,287
Total Department of the Navy	17,698,891	21,791,287		21,791,287

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Department of the Navy
FY 2018 President's Budget Request
Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

Appropriation -----	FY 2018 Base -----	FY 2018 OCO -----	FY 2018 Total -----
Aircraft Procurement, Navy	15,056,235	157,300	15,213,535
Total Department of the Navy	15,056,235	157,300	15,213,535

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Department of the Navy
 FY 2018 President's Budget Request
 Exhibit P-1 FY 2018 President's Budget Request
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: Aircraft Procurement, Navy

Budget Activity -----	FY 2016 Base + OCO -----	FY 2017 PB Request with CR Adj Base -----	FY 2017 Total PB Requests* with CR Adj Base -----
01. Combat Aircraft	11,944,835	8,946,852	12,360,604
02. Airlift Aircraft			207,500
03. Trainer Aircraft	8,914	5,849	5,849
04. Other Aircraft	1,060,242	690,810	750,010
05. Modification of Aircraft	2,619,771	2,565,436	2,590,320
06. Aircraft Spares and Repair Parts	1,478,401	1,407,626	1,709,267
07. Aircraft Support Equip & Facilities	511,570	492,575	492,575
20. Undistributed		3,378,753	3,378,753
Total Aircraft Procurement, Navy	17,623,733	17,487,901	21,494,878

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

Appropriation: Aircraft Procurement, Navy

Budget Activity -----	FY 2017 PB Request with CR Adj OCO -----	FY 2017 Total PB Requests* with CR Adj OCO -----	FY 2017 Less Enacted Div B P.L.114-254** OCO -----	FY 2017 Remaining Req with CR Adj OCO -----
01. Combat Aircraft	184,912	270,331		270,331
02. Airlift Aircraft				
03. Trainer Aircraft				
04. Other Aircraft	70,000	70,000		70,000
05. Modification of Aircraft	136,094	136,094		136,094
06. Aircraft Spares and Repair Parts	1,500	1,500		1,500
07. Aircraft Support Equip & Facilities	524	524		524
20. Undistributed	-182,040	-182,040		-182,040
Total Aircraft Procurement, Navy	210,990	296,409		296,409

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Department of the Navy
FY 2018 President's Budget Request
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Total Obligational Authority
(Dollars in Thousands)

Appropriation: Aircraft Procurement, Navy

Budget Activity -----	FY 2017 Total PB Requests** with CR Adj Base+OCO+SAA -----	FY 2017 Total PB Requests* with CR Adj Base + OCO -----	FY 2017 Less Enacted Div B P.L.114-254** OCO -----	FY 2017 Remaining Req with CR Adj Base + OCO -----
01. Combat Aircraft	9,131,764	12,630,935		12,630,935
02. Airlift Aircraft		207,500		207,500
03. Trainer Aircraft	5,849	5,849		5,849
04. Other Aircraft	760,810	820,010		820,010
05. Modification of Aircraft	2,701,530	2,726,414		2,726,414
06. Aircraft Spares and Repair Parts	1,409,126	1,710,767		1,710,767
07. Aircraft Support Equip & Facilities	493,099	493,099		493,099
20. Undistributed	3,196,713	3,196,713		3,196,713
Total Aircraft Procurement, Navy	17,698,891	21,791,287		21,791,287

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Department of the Navy
FY 2018 President's Budget Request
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Total Obligational Authority
(Dollars in Thousands)

Appropriation: Aircraft Procurement, Navy

Budget Activity -----	FY 2018 Base -----	FY 2018 OCO -----	FY 2018 Total -----
01. Combat Aircraft	9,271,650		9,271,650
02. Airlift Aircraft			
03. Trainer Aircraft			
04. Other Aircraft	784,818	3,900	788,718
05. Modification of Aircraft	2,813,635	134,087	2,947,722
06. Aircraft Spares and Repair Parts	1,681,914	18,850	1,700,764
07. Aircraft Support Equip & Facilities	504,218	463	504,681
20. Undistributed			
Total Aircraft Procurement, Navy	15,056,235	157,300	15,213,535

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Department of the Navy
 FY 2018 President's Budget Request
 Exhibit P-1 FY 2018 President's Budget Request
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2016 Base + OCO		FY 2017 PB Request with CR Adj Base		FY 2017 Total PB Requests* with CR Adj Base		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
Budget Activity 01: Combat Aircraft										

Combat Aircraft										
1	EA-18G	B	10	659,998					U	
2	F/A-18E/F (Fighter) Hornet	A	5	(350,000)			24	(2,267,026)	U	
	Less: Advance Procurement (PY)								U	
				-----		-----		-----		
				350,000				2,267,026		
3	F/A-18E/F (Fighter) Hornet									
	Advance Procurement (CY)							52,974	U	
	C (FY 2017 for FY 2018) (M)							(52,974)		
	C (FY 2018 for FY 2019) (M)									
4	Joint Strike Fighter CV	A	6	(1,062,542)	4	(939,280)	4	(939,280)	U	
	Less: Advance Procurement (PY)			(-29,400)		(-48,630)		(-48,630)	U	
				-----		-----		-----		
				1,033,142		890,650		890,650		
5	Joint Strike Fighter CV									
	Advance Procurement (CY)			48,630		80,908		80,908	U	
	C (FY 2016 for FY 2017) (M)			(48,630)						
	C (FY 2017 for FY 2018) (M)					(80,908)		(80,908)		
	C (FY 2018 for FY 2019) (M)									
	C (FY 2018 for FY 2020) (M)									

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Appropriation: 1506N Aircraft Procurement, Navy

Line		Ident	FY 2017 PB Request with CR Adj OCO		FY 2017 Total PB Requests* with CR Adj OCO		FY 2017 Less Enacted Div B P.L.114-254** OCO		FY 2017 Remaining Req with CR Adj OCO		S
No	Item Nomenclature	Code	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	e
----	-----	-----	-----	----	-----	----	-----	----	-----	----	c
Budget Activity 01: Combat Aircraft											

Combat Aircraft											
1	EA-18G	B									U
2	F/A-18E/F (Fighter) Hornet	A	2	(184,912)	2	(184,912)			2	(184,912)	U
	Less: Advance Procurement (PY)										U
			-----		-----		-----		-----		
			184,912		184,912				184,912		
3	F/A-18E/F (Fighter) Hornet										
	Advance Procurement (CY)										U
	C (FY 2017 for FY 2018) (M)										
	C (FY 2018 for FY 2019) (M)										
4	Joint Strike Fighter CV	A									U
	Less: Advance Procurement (PY)										U
			-----		-----		-----		-----		
5	Joint Strike Fighter CV										
	Advance Procurement (CY)										U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2017 for FY 2018) (M)										
	C (FY 2018 for FY 2019) (M)										
	C (FY 2018 for FY 2020) (M)										

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Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 Total PB Requests** with CR Adj Base+OCO+SAA		FY 2017 Total PB Requests* with CR Adj Base + OCO		FY 2017 Less Enacted Div B P.L.114-254** OCO		FY 2017 Remaining Req with CR Adj Base + OCO		S e c
----	-----	-----	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	----
Budget Activity 01: Combat Aircraft											

Combat Aircraft											
1	EA-18G	B									U
2	F/A-18E/F (Fighter) Hornet	A	2	(184,912)	26	(2,451,938)			26	(2,451,938)	U
	Less: Advance Procurement (PY)										U
			-----		-----		-----		-----		
				184,912		2,451,938				2,451,938	
3	F/A-18E/F (Fighter) Hornet										
	Advance Procurement (CY)					52,974				52,974	U
	C (FY 2017 for FY 2018) (M)					(52,974)				(52,974)	
	C (FY 2018 for FY 2019) (M)										
4	Joint Strike Fighter CV	A	4	(939,280)	4	(939,280)			4	(939,280)	U
	Less: Advance Procurement (PY)			(-48,630)		(-48,630)				(-48,630)	U
			-----		-----		-----		-----		
				890,650		890,650				890,650	
5	Joint Strike Fighter CV										
	Advance Procurement (CY)			80,908		80,908				80,908	U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2017 for FY 2018) (M)			(80,908)		(80,908)				(80,908)	
	C (FY 2018 for FY 2019) (M)										
	C (FY 2018 for FY 2020) (M)										

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Appropriation: 1506N Aircraft Procurement, Navy

Line		Ident	FY 2018		FY 2018		FY 2018		S
No	Item Nomenclature	Code	Quantity	Base Cost	Quantity	OCO Cost	Quantity	Total Cost	e
----	-----	-----	-----	-----	-----	-----	-----	-----	c
Budget Activity 01: Combat Aircraft									

Combat Aircraft									
1	EA-18G	B							U
2	F/A-18E/F (Fighter) Hornet	A	14	(1,253,120)			14	(1,253,120)	U
	Less: Advance Procurement (PY)			(-52,974)				(-52,974)	U
				-----				-----	
				1,200,146				1,200,146	
3	F/A-18E/F (Fighter) Hornet								
	Advance Procurement (CY)			52,971				52,971	U
	C (FY 2017 for FY 2018) (M)								
	C (FY 2018 for FY 2019) (M)			(52,971)				(52,971)	
4	Joint Strike Fighter CV	A	4	(663,232)			4	(663,232)	U
	Less: Advance Procurement (PY)			(-80,908)				(-80,908)	U
				-----				-----	
				582,324				582,324	
5	Joint Strike Fighter CV								
	Advance Procurement (CY)			263,112				263,112	U
	C (FY 2016 for FY 2017) (M)								
	C (FY 2017 for FY 2018) (M)								
	C (FY 2018 for FY 2019) (M)			(196,411)				(196,411)	
	C (FY 2018 for FY 2020) (M)			(66,701)				(66,701)	

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(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2016 Base + OCO		FY 2017 PB Request with CR Adj Base		FY 2017 Total PB Requests* with CR Adj Base		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
6	JSF STOVL		15	(2,291,599)	16	(2,240,828)	16	(2,243,741)	U
	Less: Advance Procurement (PY)			(-143,885)		(-203,060)		(-203,060)	U
				-----		-----		-----	
				2,147,714		2,037,768		2,040,681	
7	JSF STOVL								
	Advance Procurement (CY)			203,060		233,648		233,648	U
	C (FY 2016 for FY 2017) (M)			(203,060)					
	C (FY 2017 for FY 2018) (M)					(233,648)		(233,648)	
	C (FY 2018 for FY 2019) (M)								
	C (FY 2018 for FY 2020) (M)								
8	CH-53K (Heavy Lift)	A			2	(389,915)	2	(389,915)	U
	Less: Advance Procurement (PY)					(-41,300)		(-41,300)	U
				-----		-----		-----	
						348,615		348,615	
9	CH-53K (Heavy Lift)								
	Advance Procurement (CY)			41,300		88,365		88,365	U
	C (FY 2016 for FY 2017) (M)			(41,300)					
	C (FY 2017 for FY 2018) (M)					(88,365)		(88,365)	
	C (FY 2018 for FY 2019) (M)								
10	V-22 (Medium Lift)		19	(1,463,564)	16	(1,322,857)	18	(1,493,696)	U
	Less: Advance Procurement (PY)			(-67,254)		(-58,723)		(-58,723)	U
				-----		-----		-----	
				1,396,310		1,264,134		1,434,973	
11	V-22 (Medium Lift)								
	Advance Procurement (CY)			43,853		19,674		19,674	U
	C (FY 2016 for FY 2017) (M)			(43,853)					
	C (FY 2017 for FY 2018) (M)					(19,674)		(19,674)	
	C (FY 2018 for FY 2019) (M)								

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

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request with CR Adj OCO		FY 2017 Total PB Requests* with CR Adj OCO		FY 2017 Less Enacted Div B P.L.114-254** OCO		FY 2017 Remaining Req with CR Adj OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
6	JSF STOVL										U
	Less: Advance Procurement (PY)										U
7	JSF STOVL										U
	Advance Procurement (CY)										U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2017 for FY 2018) (M)										
	C (FY 2018 for FY 2019) (M)										
	C (FY 2018 for FY 2020) (M)										
8	CH-53K (Heavy Lift)	A									U
	Less: Advance Procurement (PY)										U
9	CH-53K (Heavy Lift)										U
	Advance Procurement (CY)										U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2017 for FY 2018) (M)										
	C (FY 2018 for FY 2019) (M)										
10	V-22 (Medium Lift)				1	(85,419)			1	(85,419)	U
	Less: Advance Procurement (PY)										U
						85,419				85,419	
11	V-22 (Medium Lift)										U
	Advance Procurement (CY)										U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2017 for FY 2018) (M)										
	C (FY 2018 for FY 2019) (M)										

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Department of the Navy
FY 2018 President's Budget Request
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Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 Total PB Requests** with CR Adj Base+OCO+SAA		FY 2017 Total PB Requests* with CR Adj Base + OCO		FY 2017 Less Enacted Div B P.L.114-254** OCO		FY 2017 Remaining Req with CR Adj Base + OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
6	JSF STOVL		16	(2,240,828)	16	(2,243,741)			16	(2,243,741)	U
	Less: Advance Procurement (PY)			(-203,060)		(-203,060)				(-203,060)	U
				-----		-----		-----		-----	
				2,037,768		2,040,681				2,040,681	
7	JSF STOVL										
	Advance Procurement (CY)			233,648		233,648				233,648	U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2017 for FY 2018) (M)			(233,648)		(233,648)				(233,648)	
	C (FY 2018 for FY 2019) (M)										
	C (FY 2018 for FY 2020) (M)										
8	CH-53K (Heavy Lift)	A	2	(389,915)	2	(389,915)			2	(389,915)	U
	Less: Advance Procurement (PY)			(-41,300)		(-41,300)				(-41,300)	U
				-----		-----		-----		-----	
				348,615		348,615				348,615	
9	CH-53K (Heavy Lift)										
	Advance Procurement (CY)			88,365		88,365				88,365	U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2017 for FY 2018) (M)			(88,365)		(88,365)				(88,365)	
	C (FY 2018 for FY 2019) (M)										
10	V-22 (Medium Lift)		16	(1,322,857)	19	(1,579,115)			19	(1,579,115)	U
	Less: Advance Procurement (PY)			(-58,723)		(-58,723)				(-58,723)	U
				-----		-----		-----		-----	
				1,264,134		1,520,392				1,520,392	
11	V-22 (Medium Lift)										
	Advance Procurement (CY)			19,674		19,674				19,674	U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2017 for FY 2018) (M)			(19,674)		(19,674)				(19,674)	
	C (FY 2018 for FY 2019) (M)										

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Department of the Navy
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 (Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2018 Base Quantity	FY 2018 Base Cost	FY 2018 OCO Quantity	FY 2018 OCO Cost	FY 2018 Total Quantity	FY 2018 Total Cost	Se
6	JSF STOVL		20	(2,631,787)			20	(2,631,787)	U
	Less: Advance Procurement (PY)			(-233,648)				(-233,648)	U
				2,398,139				2,398,139	
7	JSF STOVL								
	Advance Procurement (CY)			413,450				413,450	U
	C (FY 2016 for FY 2017) (M)								
	C (FY 2017 for FY 2018) (M)								
	C (FY 2018 for FY 2019) (M)			(322,264)				(322,264)	
	C (FY 2018 for FY 2020) (M)			(91,186)				(91,186)	
8	CH-53K (Heavy Lift)	A	4	(655,970)			4	(655,970)	U
	Less: Advance Procurement (PY)			(-88,365)				(-88,365)	U
				567,605				567,605	
9	CH-53K (Heavy Lift)								
	Advance Procurement (CY)			147,046				147,046	U
	C (FY 2016 for FY 2017) (M)								
	C (FY 2017 for FY 2018) (M)								
	C (FY 2018 for FY 2019) (M)			(147,046)				(147,046)	
10	V-22 (Medium Lift)		6	(697,078)			6	(697,078)	U
	Less: Advance Procurement (PY)			(-19,674)				(-19,674)	U
				677,404				677,404	
11	V-22 (Medium Lift)								
	Advance Procurement (CY)			27,422				27,422	U
	C (FY 2016 for FY 2017) (M)								
	C (FY 2017 for FY 2018) (M)								
	C (FY 2018 for FY 2019) (M)			(27,422)				(27,422)	

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

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2016 Base + OCO		FY 2017 PB Request with CR Adj Base		FY 2017 Total PB Requests* with CR Adj Base		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
12	H-1 Upgrades (UH-1Y/AH-1Z)	A	29	(847,308)	24	(815,946)	24	(815,946)	U
	Less: Advance Procurement (PY)			(-63,354)		(-56,168)		(-56,168)	U
				783,954		759,778		759,778	
13	H-1 Upgrades (UH-1Y/AH-1Z)								
	Advance Procurement (CY)			56,168		57,232		57,232	U
	C (FY 2016 for FY 2017) (M)			(56,168)					
	C (FY 2017 for FY 2018) (M)					(57,232)		(57,232)	
	C (FY 2018 for FY 2019) (M)								
14	MH-60S (MYP)	A		28,232					U
15	MH-60R (MYP)	A	29	(1,104,242)		(61,177)		(61,177)	U
	Less: Advance Procurement (PY)			(-217,205)					U
				887,037		61,177		61,177	
16	P-8A Poseidon	A	17	(3,177,152)	11	(2,183,245)	17	(3,103,245)	U
	Less: Advance Procurement (PY)			(-203,387)		(-243,007)		(-243,007)	U
				2,973,765		1,940,238		2,860,238	
17	P-8A Poseidon								
	Advance Procurement (CY)			250,568		123,140		123,140	U
	C (FY 2016 for FY 2017) (M)			(240,773)					
	C (FY 2016 for FY 2018) (M)			(5,499)					
	C (FY 2016 for FY 2019) (M)			(4,296)					
	C (FY 2017 for FY 2018) (M)					(123,140)		(123,140)	
	C (FY 2018 for FY 2019) (M)								

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(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request with CR Adj OCO		FY 2017 Total PB Requests* with CR Adj OCO		FY 2017 Less Enacted Div B P.L.114-254** OCO		FY 2017 Remaining Req with CR Adj OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
12	H-1 Upgrades (UH-1Y/AH-1Z)	A									U
	Less: Advance Procurement (PY)										U
13	H-1 Upgrades (UH-1Y/AH-1Z)										U
	Advance Procurement (CY)										U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2017 for FY 2018) (M)										
	C (FY 2018 for FY 2019) (M)										
14	MH-60S (MYP)	A									U
15	MH-60R (MYP)	A									U
	Less: Advance Procurement (PY)										U
16	P-8A Poseidon	A									U
	Less: Advance Procurement (PY)										U
17	P-8A Poseidon										U
	Advance Procurement (CY)										U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2016 for FY 2018) (M)										
	C (FY 2016 for FY 2019) (M)										
	C (FY 2017 for FY 2018) (M)										
	C (FY 2018 for FY 2019) (M)										

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Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 Total PB Requests** with CR Adj Base+OCO+SAA		FY 2017 Total PB Requests* with CR Adj Base + OCO		FY 2017 Less Enacted Div B P.L.114-254** OCO		FY 2017 Remaining Req with CR Adj Base + OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
12	H-1 Upgrades (UH-1Y/AH-1Z)	A	24	(815,946)	24	(815,946)			24	(815,946)	U
	Less: Advance Procurement (PY)			(-56,168)		(-56,168)				(-56,168)	U
				759,778		759,778				759,778	
13	H-1 Upgrades (UH-1Y/AH-1Z)										
	Advance Procurement (CY)			57,232		57,232				57,232	U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2017 for FY 2018) (M)			(57,232)		(57,232)				(57,232)	
	C (FY 2018 for FY 2019) (M)										
14	MH-60S (MYP)	A									U
15	MH-60R (MYP)	A		(61,177)		(61,177)				(61,177)	U
	Less: Advance Procurement (PY)										U
				61,177		61,177				61,177	
16	P-8A Poseidon	A	11	(2,183,245)	17	(3,103,245)			17	(3,103,245)	U
	Less: Advance Procurement (PY)			(-243,007)		(-243,007)				(-243,007)	U
				1,940,238		2,860,238				2,860,238	
17	P-8A Poseidon										
	Advance Procurement (CY)			123,140		123,140				123,140	U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2016 for FY 2018) (M)										
	C (FY 2016 for FY 2019) (M)										
	C (FY 2017 for FY 2018) (M)			(123,140)		(123,140)				(123,140)	
	C (FY 2018 for FY 2019) (M)										

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Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2018 Base		FY 2018 OCO		FY 2018 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
12	H-1 Upgrades (UH-1Y/AH-1Z)	A	22	(735,661)			22	(735,661)	U
	Less: Advance Procurement (PY)			(-57,232)				(-57,232)	U
				678,429				678,429	
13	H-1 Upgrades (UH-1Y/AH-1Z)								
	Advance Procurement (CY)			42,082				42,082	U
	C (FY 2016 for FY 2017) (M)								
	C (FY 2017 for FY 2018) (M)								
	C (FY 2018 for FY 2019) (M)			(42,082)				(42,082)	
14	MH-60S (MYP)	A							U
15	MH-60R (MYP)	A							U
	Less: Advance Procurement (PY)								U
16	P-8A Poseidon	A	7	(1,376,124)			7	(1,376,124)	U
	Less: Advance Procurement (PY)			(-130,873)				(-130,873)	U
				1,245,251				1,245,251	
17	P-8A Poseidon								
	Advance Procurement (CY)			140,333				140,333	U
	C (FY 2016 for FY 2017) (M)								
	C (FY 2016 for FY 2018) (M)								
	C (FY 2016 for FY 2019) (M)								
	C (FY 2017 for FY 2018) (M)								
	C (FY 2018 for FY 2019) (M)			(140,333)				(140,333)	

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(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2016 Base + OCO		FY 2017 PB Request with CR Adj Base		FY 2017 Total PB Requests* with CR Adj Base		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
18	E-2D Adv Hawkeye	A	5	(1,020,945)	6	(1,154,569)	6	(1,154,569)	U
	Less: Advance Procurement (PY)			(-175,177)		(-238,086)		(-238,086)	U
				845,768		916,483		916,483	
19	E-2D Adv Hawkeye								
	Advance Procurement (CY)			195,336		125,042		125,042	U
	C (FY 2016 for FY 2017) (M)			(143,181)					
	C (FY 2016 for FY 2018) (M)			(52,155)					
	C (FY 2017 for FY 2018) (M)					(125,042)		(125,042)	
	C (FY 2018 for FY 2019) (M)								
	Total Combat Aircraft			11,944,835		8,946,852		12,360,604	
Budget Activity 02: Airlift Aircraft									
Airlift Aircraft									
20	C-40A	A					2	207,500	U
	Total Airlift Aircraft							207,500	
Budget Activity 03: Trainer Aircraft									
Trainer Aircraft									
21	JPATS	A		8,914		5,849		5,849	U
	Total Trainer Aircraft			8,914		5,849		5,849	

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Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line		Ident	FY 2017		FY 2017		FY 2017		FY 2017		
No	Item Nomenclature	Code	PB Request	with CR Adj	Total	PB Requests*	Less Enacted	Div B	Remaining Req	with CR Adj	S
----	-----	-----	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	e
			-----	----	-----	----	-----	----	-----	----	c
											-
18	E-2D Adv Hawkeye	A									U
	Less: Advance Procurement (PY)										U
			-----		-----		-----		-----		
19	E-2D Adv Hawkeye										U
	Advance Procurement (CY)										
	C (FY 2016 for FY 2017) (M)										
	C (FY 2016 for FY 2018) (M)										
	C (FY 2017 for FY 2018) (M)										
	C (FY 2018 for FY 2019) (M)										
			-----		-----		-----		-----		
	Total Combat Aircraft		184,912		270,331				270,331		
	Budget Activity 02: Airlift Aircraft										

	Airlift Aircraft										
	20 C-40A	A									U
			-----		-----		-----		-----		
	Total Airlift Aircraft										
	Budget Activity 03: Trainer Aircraft										

	Trainer Aircraft										
	21 JPATS	A									U
			-----		-----		-----		-----		
	Total Trainer Aircraft										

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(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 Total PB Requests** with CR Adj Base+OCO+SAA Quantity	Cost	FY 2017 Total PB Requests* with CR Adj Base + OCO Quantity	Cost	FY 2017 Less Enacted Div B P.L.114-254** OCO Quantity	Cost	FY 2017 Remaining Req with CR Adj Base + OCO Quantity	Cost	S e c
18	E-2D Adv Hawkeye	A	6	(1,154,569)	6	(1,154,569)			6	(1,154,569)	U
	Less: Advance Procurement (PY)			(-238,086)		(-238,086)				(-238,086)	U
				916,483		916,483				916,483	
19	E-2D Adv Hawkeye										
	Advance Procurement (CY)			125,042		125,042				125,042	U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2016 for FY 2018) (M)										
	C (FY 2017 for FY 2018) (M)			(125,042)		(125,042)				(125,042)	
	C (FY 2018 for FY 2019) (M)										
	Total Combat Aircraft			9,131,764		12,630,935				12,630,935	
Budget Activity 02: Airlift Aircraft											
Airlift Aircraft											
20	C-40A	A			2	207,500			2	207,500	U
	Total Airlift Aircraft					207,500				207,500	
Budget Activity 03: Trainer Aircraft											
Trainer Aircraft											
21	JPATS	A		5,849		5,849				5,849	U
	Total Trainer Aircraft			5,849		5,849				5,849	

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(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2018 Base Quantity Cost	FY 2018 OCO Quantity Cost	FY 2018 Total Quantity Cost	S e c
18	E-2D Adv Hawkeye	A	5 (1,004,913)		5 (1,004,913)	U
	Less: Advance Procurement (PY)		(-271,003)		(-271,003)	U
			733,910		733,910	
19	E-2D Adv Hawkeye					
	Advance Procurement (CY)		102,026		102,026	U
	C (FY 2016 for FY 2017) (M)					
	C (FY 2016 for FY 2018) (M)					
	C (FY 2017 for FY 2018) (M)					
	C (FY 2018 for FY 2019) (M)		(102,026)		(102,026)	
	Total Combat Aircraft		9,271,650		9,271,650	
Budget Activity 02: Airlift Aircraft						
Airlift Aircraft						
20	C-40A	A				U
	Total Airlift Aircraft					
Budget Activity 03: Trainer Aircraft						
Trainer Aircraft						
21	JPATS	A				U
	Total Trainer Aircraft					

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(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2016 Base + OCO		FY 2017 PB Request with CR Adj Base		FY 2017 Total PB Requests* with CR Adj Base		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
Budget Activity 04: Other Aircraft										

Other Aircraft										
22	KC-130J	A	2	(201,339)	2	(161,321)	2	(161,321)	U	
	Less: Advance Procurement (PY)			(-16,288)		(-32,451)		(-32,451)	U	
				-----		-----		-----		
				185,051		128,870		128,870		
23	KC-130J									
	Advance Procurement (CY)			24,451		24,848		24,848	U	
	C (FY 2016 for FY 2017) (M)			(24,451)						
	C (FY 2017 for FY 2018) (M)					(24,848)		(24,848)		
	C (FY 2018 for FY 2019) (M)									
24	MQ-4 Triton	A	4	(646,255)	2	(463,582)	2	(463,582)	U	
	Less: Advance Procurement (PY)			(-81,170)		(-54,577)		(-54,577)	U	
				-----		-----		-----		
				565,085		409,005		409,005		
25	MQ-4 Triton									
	Advance Procurement (CY)			54,577		55,652		55,652	U	
	C (FY 2016 for FY 2017) (M)			(54,577)						
	C (FY 2017 for FY 2018) (M)					(55,652)		(55,652)		
	C (FY 2018 for FY 2019) (M)									
26	MQ-8 UAV	B	5	158,680	1	72,435	1	72,435	U	
27	STUASL0 UAV		3	57,298					U	
28	Other Support Aircraft		1	15,100			4	59,200	U	
				-----		-----		-----		
Total Other Aircraft				1,060,242		690,810		750,010		

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request with CR Adj OCO Quantity	Cost	FY 2017 Total PB Requests* with CR Adj OCO Quantity	Cost	FY 2017 Less Enacted Div B P.L.114-254** OCO Quantity	Cost	FY 2017 Remaining Req with CR Adj OCO Quantity	Cost	Se c
Budget Activity 04: Other Aircraft											
Other Aircraft											
22	KC-130J	A									U
	Less: Advance Procurement (PY)										U
23	KC-130J										
	Advance Procurement (CY)										U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2017 for FY 2018) (M)										
	C (FY 2018 for FY 2019) (M)										
24	MQ-4 Triton	A									U
	Less: Advance Procurement (PY)										U
25	MQ-4 Triton										
	Advance Procurement (CY)										U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2017 for FY 2018) (M)										
	C (FY 2018 for FY 2019) (M)										
26	MQ-8 UAV	B									U
27	STUASLO UAV		4	70,000	4	70,000			4	70,000	U
28	Other Support Aircraft										U
Total Other Aircraft				70,000		70,000				70,000	

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(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 Total PB Requests** with CR Adj Base+OCO+SAA Quantity	Cost	FY 2017 Total PB Requests* with CR Adj Base + OCO Quantity	Cost	FY 2017 Less Enacted Div B P.L.114-254** OCO Quantity	Cost	FY 2017 Remaining Req with CR Adj Base + OCO Quantity	Cost	S e c
Budget Activity 04: Other Aircraft											
Other Aircraft											
22	KC-130J	A	2	(161,321)	2	(161,321)			2	(161,321)	U
	Less: Advance Procurement (PY)			(-32,451)		(-32,451)				(-32,451)	U
				128,870		128,870				128,870	
23	KC-130J										
	Advance Procurement (CY)			24,848		24,848				24,848	U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2017 for FY 2018) (M)			(24,848)		(24,848)				(24,848)	
	C (FY 2018 for FY 2019) (M)										
24	MQ-4 Triton	A	2	(463,582)	2	(463,582)			2	(463,582)	U
	Less: Advance Procurement (PY)			(-54,577)		(-54,577)				(-54,577)	U
				409,005		409,005				409,005	
25	MQ-4 Triton										
	Advance Procurement (CY)			55,652		55,652				55,652	U
	C (FY 2016 for FY 2017) (M)										
	C (FY 2017 for FY 2018) (M)			(55,652)		(55,652)				(55,652)	
	C (FY 2018 for FY 2019) (M)										
26	MQ-8 UAV	B	1	72,435	1	72,435			1	72,435	U
27	STUASLO UAV		4	70,000	4	70,000			4	70,000	U
28	Other Support Aircraft				4	59,200			4	59,200	U
Total	Other Aircraft			760,810		820,010				820,010	

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 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line		Ident	FY 2018		FY 2018		FY 2018		S
No	Item Nomenclature	Code	Quantity	Base Cost	Quantity	OCO Cost	Quantity	Total Cost	e
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Budget Activity 04: Other Aircraft									

Other Aircraft									
22	KC-130J	A	2	(158,425)			2	(158,425)	U
	Less: Advance Procurement (PY)			(-28,848)				(-28,848)	U
				-----		-----		-----	
				129,577				129,577	
23	KC-130J								
	Advance Procurement (CY)			25,497				25,497	U
	C (FY 2016 for FY 2017) (M)								
	C (FY 2017 for FY 2018) (M)								
	C (FY 2018 for FY 2019) (M)			(25,497)				(25,497)	
24	MQ-4 Triton	A	3	(577,778)			3	(577,778)	U
	Less: Advance Procurement (PY)			(-55,652)				(-55,652)	U
				-----		-----		-----	
				522,126				522,126	
25	MQ-4 Triton								
	Advance Procurement (CY)			57,266				57,266	U
	C (FY 2016 for FY 2017) (M)								
	C (FY 2017 for FY 2018) (M)								
	C (FY 2018 for FY 2019) (M)			(57,266)				(57,266)	
26	MQ-8 UAV	B		49,472				49,472	U
27	STUASLO UAV			880		3,900		4,780	U
28	Other Support Aircraft								U
				-----		-----		-----	
Total	Other Aircraft			784,818		3,900		788,718	

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Line No	Item Nomenclature	Ident Code	FY 2016 Base + OCO Quantity Cost	FY 2017 PB Request with CR Adj Base Quantity Cost	FY 2017 Total PB Requests* with CR Adj Base Quantity Cost	S e c
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Budget Activity 05: Modification of Aircraft						

Modification of Aircraft						
29	EA-6 Series	A	7,738			U
30	AEA Systems		36,233	51,900	51,900	U
31	AV-8 Series	A	78,065	60,818	62,302	U
32	Adversary	A	5,441	5,191	5,191	U
33	F-18 Series	A	899,389	1,023,492	917,892	U
34	H-53 Series	A	35,655	46,095	59,095	U
35	SH-60 Series	A	97,808	108,328	108,328	U
36	H-1 Series	A	36,527	46,333	46,333	U
37	EP-3 Series	A	48,084	14,681	14,681	U
38	P-3 Series	A	2,983	2,781	2,781	U
39	E-2 Series	A	19,046	32,949	32,949	U
40	Trainer A/C Series	A	27,924	13,199	13,199	U
41	C-2A	A	7,099	19,066	19,066	U
42	C-130 Series	A	65,861	61,788	62,488	U
43	FEWSG	A	633	618	618	U
44	Cargo/Transport A/C Series	A	8,916	9,822	9,822	U
45	E-6 Series	A	178,987	222,077	222,077	U

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request with CR Adj OCO		FY 2017 Total PB Requests* with CR Adj OCO		FY 2017 Less Enacted Div B P.L.114-254** OCO		FY 2017 Remaining Req with CR Adj OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 05: Modification of Aircraft											
Modification of Aircraft											
29	EA-6 Series	A									U
30	AEA Systems										U
31	AV-8 Series	A									U
32	Adversary	A									U
33	F-18 Series	A									U
34	H-53 Series	A									U
35	SH-60 Series	A		3,000		3,000			3,000		U
36	H-1 Series	A		3,740		3,740			3,740		U
37	EP-3 Series	A		7,505		7,505			7,505		U
38	P-3 Series	A									U
39	E-2 Series	A									U
40	Trainer A/C Series	A									U
41	C-2A	A									U
42	C-130 Series	A									U
43	FEWSG	A									U
44	Cargo/Transport A/C Series	A									U
45	E-6 Series	A									U

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Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 Total PB Requests** with CR Adj Base+OCO+SAA Quantity	Cost	FY 2017 Total PB Requests* with CR Adj Base + OCO Quantity	Cost	FY 2017 Less Enacted Div B P.L.114-254** OCO Quantity	Cost	FY 2017 Remaining Req with CR Adj Base + OCO Quantity	Cost	S e c
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Budget Activity 05: Modification of Aircraft											

Modification of Aircraft											
29	EA-6 Series	A									U
30	AEA Systems			51,900		51,900			51,900		U
31	AV-8 Series	A		60,818		62,302			62,302		U
32	Adversary	A		5,191		5,191			5,191		U
33	F-18 Series	A		1,023,492		917,892			917,892		U
34	H-53 Series	A		46,095		59,095			59,095		U
35	SH-60 Series	A		111,328		111,328			111,328		U
36	H-1 Series	A		50,073		50,073			50,073		U
37	EP-3 Series	A		22,186		22,186			22,186		U
38	P-3 Series	A		2,781		2,781			2,781		U
39	E-2 Series	A		32,949		32,949			32,949		U
40	Trainer A/C Series	A		13,199		13,199			13,199		U
41	C-2A	A		19,066		19,066			19,066		U
42	C-130 Series	A		61,788		62,488			62,488		U
43	FEWSG	A		618		618			618		U
44	Cargo/Transport A/C Series	A		9,822		9,822			9,822		U
45	E-6 Series	A		222,077		222,077			222,077		U

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(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2018 Base Quantity	Cost	FY 2018 OCO Quantity	Cost	FY 2018 Total Quantity	Cost	S e c
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Budget Activity 05: Modification of Aircraft									

Modification of Aircraft									
29	EA-6 Series	A							U
30	AEA Systems			52,960			52,960		U
31	AV-8 Series	A		43,555			43,555		U
32	Adversary	A		2,565			2,565		U
33	F-18 Series	A		1,043,661			1,043,661		U
34	H-53 Series	A		38,712		950	39,662		U
35	SH-60 Series	A		95,333		15,382	110,715		U
36	H-1 Series	A		101,886			101,886		U
37	EP-3 Series	A		7,231		7,220	14,451		U
38	P-3 Series	A		700			700		U
39	E-2 Series	A		97,563			97,563		U
40	Trainer A/C Series	A		8,184			8,184		U
41	C-2A	A		18,673			18,673		U
42	C-130 Series	A		83,541			83,541		U
43	FEWSG	A		630			630		U
44	Cargo/Transport A/C Series	A		10,075			10,075		U
45	E-6 Series	A		223,508			223,508		U

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FY 2018 President's Budget Request
Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2016 Base + OCO		FY 2017 PB Request with CR Adj Base		FY 2017 Total PB Requests* with CR Adj Base		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
46	Executive Helicopters Series	A		66,624		66,835		66,835	U
47	Special Project Aircraft	A		36,186		16,497		16,497	U
48	T-45 Series	A		81,652		114,887		114,887	U
49	Power Plant Changes	A		11,900		16,893		16,893	U
50	JPATS Series	A		12,537		17,401		17,401	U
51	Common ECM Equipment	A		194,889		143,773		143,773	U
52	Common Avionics Changes	A		154,588		164,839		164,839	U
53	Common Defensive Weapon System	A		3,062		4,403		4,403	U
54	ID Systems	A		41,031		45,768		45,768	U
55	P-8 Series			28,092		18,836		18,836	U
56	MAGTF EW for Aviation	A		7,680		5,676		21,976	U
57	MQ-8 Series			16,304		19,003		19,003	U
58	RQ-7 Series			3,773		3,534		3,534	U
59	V-22 (Tilt/Rotor ACFT) Osprey	B		145,188		141,545		240,545	U
60	F-35 STOVL Series	A		204,464		34,928		34,928	U
61	F-35 CV Series	A		48,527		26,004		26,004	U
62	QRC	A		6,885		5,476		5,476	U
63	MQ-4 Series	A							U
Total Modification of Aircraft				2,619,771		2,565,436		2,590,320	

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Department of the Navy
FY 2018 President's Budget Request
Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request with CR Adj OCO Quantity	Cost	FY 2017 Total PB Requests* with CR Adj OCO Quantity	Cost	FY 2017 Less Enacted Div B P.L.114-254** OCO Quantity	Cost	FY 2017 Remaining Req with CR Adj OCO Quantity	Cost	S e c
----	-----	-----	-----	----	-----	----	-----	----	-----	----	-
46	Executive Helicopters Series	A									U
47	Special Project Aircraft	A		14,869		14,869			14,869		U
48	T-45 Series	A									U
49	Power Plant Changes	A									U
50	JPATS Series	A									U
51	Common ECM Equipment	A		98,240		98,240			98,240		U
52	Common Avionics Changes	A									U
53	Common Defensive Weapon System	A									U
54	ID Systems	A									U
55	P-8 Series										U
56	MAGTF EW for Aviation	A									U
57	MQ-8 Series										U
58	RQ-7 Series										U
59	V-22 (Tilt/Rotor ACFT) Osprey	B		8,740		8,740			8,740		U
60	F-35 STOVL Series	A									U
61	F-35 CV Series	A									U
62	QRC	A									U
63	MQ-4 Series	A									U
				-----		-----		-----		-----	
	Total Modification of Aircraft			136,094		136,094			136,094		

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Department of the Navy
FY 2018 President's Budget Request
Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 Total PB Requests** with CR Adj Base+OCO+SAA Quantity	Cost	FY 2017 Total PB Requests* with CR Adj Base + OCO Quantity	Cost	FY 2017 Less Enacted Div B P.L.114-254** OCO Quantity	Cost	FY 2017 Remaining Req with CR Adj Base + OCO Quantity	Cost	S e c
----	-----	----	-----	-----	-----	-----	-----	-----	-----	-----	-
46	Executive Helicopters Series	A		66,835		66,835				66,835	U
47	Special Project Aircraft	A		31,366		31,366				31,366	U
48	T-45 Series	A		114,887		114,887				114,887	U
49	Power Plant Changes	A		16,893		16,893				16,893	U
50	JPATS Series	A		17,401		17,401				17,401	U
51	Common ECM Equipment	A		242,013		242,013				242,013	U
52	Common Avionics Changes	A		164,839		164,839				164,839	U
53	Common Defensive Weapon System	A		4,403		4,403				4,403	U
54	ID Systems	A		45,768		45,768				45,768	U
55	P-8 Series			18,836		18,836				18,836	U
56	MAGTF EW for Aviation	A		5,676		21,976				21,976	U
57	MQ-8 Series			19,003		19,003				19,003	U
58	RQ-7 Series			3,534		3,534				3,534	U
59	V-22 (Tilt/Rotor ACFT) Osprey	B		150,285		249,285				249,285	U
60	F-35 STOVL Series	A		34,928		34,928				34,928	U
61	F-35 CV Series	A		26,004		26,004				26,004	U
62	QRC	A		5,476		5,476				5,476	U
63	MQ-4 Series	A									U
Total Modification of Aircraft				2,701,530		2,726,414				2,726,414	

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Department of the Navy
FY 2018 President's Budget Request
Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2018 Base Quantity	Cost	FY 2018 OCO Quantity	Cost	FY 2018 Total Quantity	Cost	S e c
----	-----	-----	-----	-----	-----	-----	-----	-----	-----
46	Executive Helicopters Series	A		38,787			38,787		U
47	Special Project Aircraft	A		8,304		19,855	28,159		U
48	T-45 Series	A		148,071			148,071		U
49	Power Plant Changes	A		19,827			19,827		U
50	JPATS Series	A		27,007			27,007		U
51	Common ECM Equipment	A		146,642		75,530	222,172		U
52	Common Avionics Changes	A		123,507			123,507		U
53	Common Defensive Weapon System	A		2,317			2,317		U
54	ID Systems	A		49,524			49,524		U
55	P-8 Series			18,665			18,665		U
56	MAGTF EW for Aviation	A		10,111			10,111		U
57	MQ-8 Series			32,361			32,361		U
58	RQ-7 Series								U
59	V-22 (Tilt/Rotor ACFT) Osprey	B		228,321			228,321		U
60	F-35 STOVL Series	A		34,963			34,963		U
61	F-35 CV Series	A		31,689			31,689		U
62	QRC	A		24,766		15,150	39,916		U
63	MQ-4 Series	A		39,996			39,996		U
Total Modification of Aircraft				2,813,635		134,087	2,947,722		

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Department of the Navy
FY 2018 President's Budget Request
Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2016 Base + OCO		FY 2017 PB Request with CR Adj Base		FY 2017 Total PB Requests* with CR Adj Base		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
Budget Activity 06: Aircraft Spares and Repair Parts										

Aircraft Spares and Repair Parts										
64	Spares and Repair Parts	A	1,478,401		1,407,626		1,709,267		U	
			-----		-----		-----			
Total Aircraft Spares and Repair Parts			1,478,401		1,407,626		1,709,267			
Budget Activity 07: Aircraft Support Equip & Facilities										

Aircraft Support Equip & Facilities										
65	Common Ground Equipment	A	417,344		390,103		390,103		U	
66	Aircraft Industrial Facilities	A	24,931		23,194		23,194		U	
67	War Consumables	A	13,758		40,613		40,613		U	
68	Other Production Charges	A	2,455		860		860		U	
69	Special Support Equipment	A	50,859		36,282		36,282		U	
70	First Destination Transportation	A	1,801		1,523		1,523		U	
71	Judgment Fund	A	18						U	
72	Cancelled Account Adjustments	A	404						U	
			-----		-----		-----			
Total Aircraft Support Equip & Facilities			511,570		492,575		492,575			

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FY 2018 President's Budget Request
Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line			FY 2017		FY 2017		FY 2017		FY 2017		
No	Item Nomenclature	Ident	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
----	-----	----	-----	----	-----	----	-----	----	-----	----	
Budget Activity 06: Aircraft Spares and Repair Parts											

Aircraft Spares and Repair Parts											
64	Spares and Repair Parts	A	1,500		1,500				1,500		U
			-----		-----		-----		-----		
Total Aircraft Spares and Repair Parts			1,500		1,500				1,500		
Budget Activity 07: Aircraft Support Equip & Facilities											

Aircraft Support Equip & Facilities											
65	Common Ground Equipment	A									U
66	Aircraft Industrial Facilities	A	524		524				524		U
67	War Consumables	A									U
68	Other Production Charges	A									U
69	Special Support Equipment	A									U
70	First Destination Transportation	A									U
71	Judgment Fund	A									U
72	Cancelled Account Adjustments	A									U
			-----		-----		-----		-----		
Total Aircraft Support Equip & Facilities			524		524				524		

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Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line	Ident	FY 2017	FY 2017	FY 2017	FY 2017	
No	Code	Total	Total	Less Enacted	Remaining Req	
		PB Requests**	PB Requests*	Div B	with CR Adj	S
		with CR Adj	with CR Adj	P.L.114-254**	Base + OCO	e
		Base+OCO+SAA	Base + OCO	OCO	Base + OCO	c
----	-----	-----	-----	-----	-----	-
Budget Activity 06: Aircraft Spares and Repair Parts						

Aircraft Spares and Repair Parts						
64 Spares and Repair Parts	A	1,409,126	1,710,767		1,710,767	U
		-----	-----	-----	-----	
Total Aircraft Spares and Repair Parts		1,409,126	1,710,767		1,710,767	
Budget Activity 07: Aircraft Support Equip & Facilities						

Aircraft Support Equip & Facilities						
65 Common Ground Equipment	A	390,103	390,103		390,103	U
66 Aircraft Industrial Facilities	A	23,718	23,718		23,718	U
67 War Consumables	A	40,613	40,613		40,613	U
68 Other Production Charges	A	860	860		860	U
69 Special Support Equipment	A	36,282	36,282		36,282	U
70 First Destination Transportation	A	1,523	1,523		1,523	U
71 Judgment Fund	A					U
72 Cancelled Account Adjustments	A					U
		-----	-----	-----	-----	
Total Aircraft Support Equip & Facilities		493,099	493,099		493,099	

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Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line		Ident	FY 2018		FY 2018		FY 2018		S
No	Item Nomenclature	Code	Base	Cost	OCO	Cost	Total	Cost	e
----	-----	-----	-----	----	-----	----	-----	----	-
Budget Activity 06: Aircraft Spares and Repair Parts									

Aircraft Spares and Repair Parts									
64	Spares and Repair Parts	A	1,681,914		18,850		1,700,764		U
			-----		-----		-----		
Total Aircraft Spares and Repair Parts			1,681,914		18,850		1,700,764		
Budget Activity 07: Aircraft Support Equip & Facilities									

Aircraft Support Equip & Facilities									
65	Common Ground Equipment	A	388,052				388,052		U
66	Aircraft Industrial Facilities	A	24,613		463		25,076		U
67	War Consumables	A	39,614				39,614		U
68	Other Production Charges	A	1,463				1,463		U
69	Special Support Equipment	A	48,500				48,500		U
70	First Destination Transportation	A	1,976				1,976		U
71	Judgment Fund	A							U
72	Cancelled Account Adjustments	A							U
			-----		-----		-----		
Total Aircraft Support Equip & Facilities			504,218		463		504,681		

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 FY 2018 President's Budget Request
 Exhibit P-1 FY 2018 President's Budget Request
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2016 Base + OCO		FY 2017 PB Request with CR Adj Base		FY 2017 Total PB Requests* with CR Adj Base		S e c			
			Quantity	Cost	Quantity	Cost	Quantity	Cost				

Budget Activity 20: Undistributed												

Undistributed												
73	Adj to Match Continuing Resolution	A			3,378,753		3,378,753		U			
			-----		-----		-----					
Total Undistributed					3,378,753		3,378,753					
			-----		-----		-----					
Total Aircraft Procurement, Navy			17,623,733		17,487,901		21,494,878					

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 FY 2018 President's Budget Request
 Exhibit P-1 FY 2018 President's Budget Request
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line			FY 2017		FY 2017		FY 2017		FY 2017		
No	Item Nomenclature	Ident	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
----	-----	----	-----	----	-----	----	-----	----	-----	----	
Budget Activity 20: Undistributed											

Undistributed											
73	Adj to Match Continuing Resolution	A	-182,040		-182,040				-182,040		U
			-----		-----				-----		
	Total Undistributed		-182,040		-182,040				-182,040		
			-----		-----				-----		
	Total Aircraft Procurement, Navy		210,990		296,409				296,409		

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FY 2018 President's Budget Request
Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line			FY 2017		FY 2017		FY 2017		FY 2017		
No	Item Nomenclature	Ident	Total		Total		Less Enacted		Remaining Req		
		Code	PB Requests**		PB Requests*		Div B		with CR Adj		S
			with CR Adj		with CR Adj		P.L.114-254**		Base + OCO		e
			Base+OCO+SAA		Base + OCO		OCO				c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
			-----	----	-----	----	-----	----	-----	----	-
Budget Activity 20: Undistributed											

Undistributed											
73	Adj to Match Continuing Resolution	A	3,196,713		3,196,713				3,196,713		U
			-----		-----			-----	-----		
	Total Undistributed		3,196,713		3,196,713				3,196,713		
			-----		-----			-----	-----		
	Total Aircraft Procurement, Navy		17,698,891		21,791,287				21,791,287		

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Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line		Ident	FY 2018		FY 2018		FY 2018	S
No	Item Nomenclature	Code	Base	Cost	OCO	Cost	Total	e
----	-----	-----	Quantity	Cost	Quantity	Cost	Quantity	c
----	-----	-----	-----	----	-----	----	-----	-
Budget Activity 20: Undistributed								

Undistributed								
73	Adj to Match Continuing Resolution	A						U
			-----		-----		-----	
Total Undistributed								
			-----		-----		-----	
Total Aircraft Procurement, Navy			15,056,235		157,300		15,213,535	

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25	04	01	0442	MQ-4 TRITON, Advance Procurement.....	Volume 1 - 161
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55	05	01	0586	P-8 Series.....	Volume 2 - 469
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Exhibit P-40, Budget Line Item Justification: FY 2018 Navy										Date: May 2017		
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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,274.118	417.344	390.103	388.052	0.000	388.052	411.871	396.057	402.456	410.496	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,274.118	417.344	390.103	388.052	0.000	388.052	411.871	396.057	402.456	410.496	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,274.118	417.344	390.103	388.052	0.000	388.052	411.871	396.057	402.456	410.496	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>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>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.</p> <p>[P40A / AUTOMATIC TEST EQUIPMENT]: GENERAL PROGRAM DESCRIPTION: This sub-line provides for the transition of current Automatic Test Equipment (ATE) Test Program Sets (TPSs) to AN/USM-636 Consolidated Automated Support System (CASS), AN/USM-702 Reconfigurable Transportable CASS (RTCASS) and AN/USM-730 electronic CASS (eCASS), 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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>FY18 provides funding to offload multiple weapon system Operation Test Program Sets (OTPSs) to CASS, RTCASS, eCASS and funds production of several High Speed Subsystem (HSS) ancillary assets.</p>												

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Exhibit P-40, Budget Line Item Justification: FY 2018 Navy		Date: May 2017
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		
<p>[P40A - 2 / A/C COMMON SUPPORT EQUIPMENT]: General Program Description: 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.</p> <p>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.</p> <p>FY18 provides funding to procure: Common Rack Arial Launch Test Set (CRALTS) Replacement (CAATS), Vibration Analyzer, Next Generation Software Loader, Hydraulic Test Stand I-Level, Air Conditioner Ship Shore, SD2 Replacement, Small Capacity MEPP (Shipboard) and First Destination Transportation Cost for hardware procurements and associated support cost.</p> <p>[P40A - 3 / ICP/HEADQUARTERS MANAGED SUPPORT EQUIPMENT]: General Program Description: This budget sub-line funds the procurement of end items of Peculiar Support Equipment (PSE) for out-of-production weapon systems, and Common Support Equipment (CSE) under the budget, procurement, and inventory control of the Naval Inventory Control Point (NAVICP). PSE and CSE end items are normally introduced into the fleet through NAVAIR development and initial procurement. When design is stabilized and procurement packages are available, these items then migrate to NAVICP management, and are funded under this sub-line. NAVICP currently manages over 11,000 individual repairable SE end items. This subline also funds initial outfitting of new construction ships.</p> <p>This sub-line also provides for the replacement of certain in-use PSE that are now marginally effective, due to obsolescence, or to the unavailability of associated logistics support. As a consequence, a logistically supportable replacement item must be designed and produced. This budget sub-line provides replacement of PSE support for out-of-production aircraft requirements only.</p> <p>In addition, this sub-line provides for the completion of the design and production of: (1) certain PSE items that were not funded during the production phase of the weapon system, and (2) modifications to out-of-production aircraft PSE to extend its useful service life.</p> <p>[P40A - 4 / CONSOLIDATED AUTOMATED SUPPORT SYSTEM]: Program Coverage: 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 five Mission Equipment Kits (MEKs) used with eCASS, 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], High Power [high energy radar systems], and Depot. The five MEKs used with eCASS replace the existing five configurations of CASS. Reconfigurable Transportable (RTCASS) [a man-transportable version of RF CASS] is used for USMC forward deployed expeditionary maintenance. 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 F/A-18A/B/C/D/E/F, T-45, AV-8B, EA-6B, H-60, H-3, E-2, C-2, and V-22 as well as several NAVSEA/SPAWAR weapon systems. electronic CASS (eCASS), which is designated an ACAT IVM program, replaces legacy CASS stations and will begin full-rate production in the 1st quarter FY17.</p> <p>Justification: 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 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 and fixed wing aircraft.</p> <p>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.</p> <p>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</p>		

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Exhibit P-40, Budget Line Item Justification: FY 2018 Navy		Date: May 2017	
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			
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.			
FY18 provides funding to procure (26) eCASS systems and associated ancillary equipment.			
Program Coverage: 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 due to aging and reduced weapon system availability due to obsolescence. 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 EO3 design, 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. Low-Rate Initial Production (LRIP) is planned during FY21 and FY22, and Full Rate Production (FRP) is planned in FY23.			
Justification: 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 when such degradation occurs. 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.			
[P40A - 5 / MOBILE MAINTENANCE FACILITIES]: Program Description: The Mobile Maintenance Facility (MMF) Program provides the overarching management construct to ensure configuration management and life cycle logistics for the Fleet MMF 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 MMF, 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, MMF's are heated and cooled by Environmental Control Units, which the program procures and logistically supports. In tactical environments, electrical power required to support MMF complexes is provided by DOD standard generator sets. The Naval Air Systems Comand (NAVAIR) acts as the Primary Inventory Control Activity (PICA) for multi-service procurement of NAVAIR MMFs and related ancillary equipment.			
Program Coverage: MMF'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 sustain operations in austere expeditionary environments. This supports the Naval Air Enterprise (NAE) Strategic Plan, Marine Corps Vision & Strategy 2025, and the USMC Long War Concept. MMFs provide containerized aviation logistics support to the operational commander that can be rapidly deployed by all transportation modes to any location in the world. Operationally, MMFs provide the Navy and Marine Corps with a quick response stand-alone capability to meet worldwide operational commitments. Economically, MMFs reduce the need for MILCON and allow for world wide transportability.			
Key Attributes: - Fully integrated and expeditionary logistics capability deployable via ship, airlift or truck. Operationally deployable aboard ship (TAVB) - Provides an effective, reliable and affordable self-contained aircraft maintenance capability (avionics, airframes, et. al.) - Provides for supply support functions (work space, parts storage & parts transport)			
Justification: Investment in the MMF Program ensures a fully deployable logistics capability that can be deployed in a building block fashion across the battle space in support of aircraft maintenance and supply support operations. The Program of Record inventory objective is 3,531 MMFs. 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 various operational plans supporting the National Defense Strategy. Current active inventory is 3,119 MMFs.			
[P40A - 6 / 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.			

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Exhibit P-40, Budget Line Item Justification: FY 2018 Navy		Date: May 2017
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		
<p>Justification of 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. The Maintenance Computer Based Training (MCBT) program's emphasis is on Fleet In-Service Training using Advance Skills Management System (ASM). 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 for control tower operations, Carrier Air Traffic Control Center operations, Amphibious Air Traffic Control Center operations and advanced RADAR operations. The Landing Signal Officer (LSO) Program enables 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 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 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.</p>		
<p>[P40A - 7 / TOPSCENE]: Program Description: 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.</p>		
<p>[P40A - 8 / 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.</p>		
<p>Justification of Major Programs: The Navy Aviation Simulation Master Plan (NASMP) provides for training system capability procurements and major upgrades to address Fleet (post-Fleet Replacement Squadron) FA-18C/D/E/F, EA-18G, MH-60 and E-2 and legacy platform training requirements to achieve 1) an increase in Fleet Training and Readiness through enhanced training system fidelity and interoperability for distributed mission training and 2) the Fleet Integrated Training Environment (FITE) 2025 initiative, which includes the Navy Aviation Distributed Training Center (NADTC) that will manage the platform training system distributed mission training (DMT) requirements. FITE 2025 provides a fully integrated training capability to meet current and emerging aviation missions / kill chains through the integration of Live, Virtual and Constructive (LVC) components. The UMFO Training program acquires high fidelity flight officer training systems. The Chief of Naval Aviation Training (CNATRA) program will procure Operational Flight Trainers (OFT) and visual system upgrades in support of Ground Based Training Systems. The FA-18 program will focus on upgrading key simulator sub-systems including visual systems, databases, threat models and aerodynamic properties. E-6B will emphasize upgrades to existing devices to correct obsolescence issues. P-3 will provide a technical upgrade of the 2F179A Tactical Operations Readiness Trainer (TORT), 2F87 flight simulator and 14B59 Forward Deployable Trainer (FDT) to correct obsolescence issues. EP-3E will concentrate on simulator upgrades, increasing training and readiness capability of simulators, refreshing threat models and correcting obsolescence issues. E-2/C-2 will emphasize upgrades to existing devices to correct obsolescence issues. MH-53E will procure upgrades for the Operational Flight Trainer and the External Load and Mine Countermeasures Simulators. 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 (TE) software will be modernized for existing 2nd and 3rd Marine Air Wing (MAW) sites; while ADVTE capability will be procured and installed for 1st and 4th MAW sites. 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. Training courseware and curriculums will be procured for transformational Marine Corps Aircraft. In 2021, NASMP will also incorporate Technical Refresh/Upgrades, Modernization, Information Assurance/Cyber Security accreditation, and all software/hardware upgrades as necessary to mitigate simulation obsolescence to address Chief of Naval Air Training (CNATRA) and Commander Naval Air Forces (CNAF) requirements for T-6, T-45, TH-57, Undergraduate Military Flight Officer (UMFO), Multi-Crew Simulators (MCS), FA-18C/D/E/F, EA-18G, MH-60, E-2C/D, C-2A, E-6B, P-8A, MQ-4C, MQ-8, MH-53E, CBARS/Stingray and legacy aircrew and maintenance simulators/trainers.</p>		

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Exhibit P-40, Budget Line Item Justification: FY 2018 Navy		Date: May 2017
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 Note: Request that \$18.0M of FY19 APN-7 funding (BLI 0705) for H-1 Simulator MCAS Futenma be realigned to APN-5 (H-1 Series - BLI 0532) to support retrofit of new T700-401C engines (+\$18.0M). The program office continues to work with FMB to ensure realignment of funding.		

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Exhibit P-40, Budget Line Item Justification: FY 2018 Navy								Date: May 2017		
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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 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				- / 342.736	- / 27.916	- / 26.093	- / 23.938	- / -	- / 23.938
P-40a	A/C COMMON SUPPORT EQUIPMENT				- / 283.391	- / 65.067	- / 60.241	- / 56.925	- / -	- / 56.925
P-40a	ICP/HEADQUARTERS MANAGED SUPPORT EQUIPMENT				- / 145.270	- / 28.212	- / 31.430	- / 27.991	- / -	- / 27.991
P-40a	CONSOLIDATED AUTOMATED SUPPORT SYSTEM				- / 774.156	- / 103.001	- / 84.021	- / 80.232	- / -	- / 80.232
P-40a	MOBILE MAINTENANCE FACILITIES				- / 114.443	- / 6.978	- / 4.235	- / 6.817	- / -	- / 6.817
P-40a	GENERAL SKILLS TRAINING				- / 36.414	- / 6.963	- / 11.133	- / 10.423	- / -	- / 10.423
P-40a	TOPSCENE				- / 8.838	- / 1.785	- / -	- / -	- / -	- / -
P-40a	OTHER FLIGHT TRAINING				- / 568.870	- / 177.422	- / 172.950	- / 181.726	- / -	- / 181.726
P-40	Total Gross/Weapon System Cost				- / 2,274.118	- / 417.344	- / 390.103	- / 388.052	- / 0.000	- / 388.052
<p>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</p>										

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy															Date: May 2017					
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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		-	-	233.464	-	-	20.771	-	-	20.000	-	-	17.703	-	-	-	-	-	17.703
Subtotal: 1) Hardware			-	-	233.464	-	-	20.771	-	-	20.000	-	-	17.703	-	-	-	-	-	17.703
2) Non-Recurring																				
2.1) TPS Transition to CASS	A		-	-	6.153	-	-	0.953	-	-	0.714	-	-	0.957	-	-	-	-	-	0.957
Subtotal: 2) Non-Recurring			-	-	6.153	-	-	0.953	-	-	0.714	-	-	0.957	-	-	-	-	-	0.957
3) ILS																				
3.1) TPS Transition to CASS	A		-	-	24.754	-	-	1.885	-	-	1.334	-	-	1.675	-	-	-	-	-	1.675
Subtotal: 3) ILS			-	-	24.754	-	-	1.885	-	-	1.334	-	-	1.675	-	-	-	-	-	1.675
4) Production Engineering																				
4.1) TPS Transition to CASS	A		-	-	78.365	-	-	4.307	-	-	4.045	-	-	3.603	-	-	-	-	-	3.603
Subtotal: 4) Production Engineering			-	-	78.365	-	-	4.307	-	-	4.045	-	-	3.603	-	-	-	-	-	3.603
Total			-	-	342.736	-	-	27.916	-	-	26.093	-	-	23.938	-	-	-	-	-	23.938

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: FY 2018 Navy																Date: May 2017					
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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) Weapons Control - Crafts Replacement (CAATS)	A		140,909.09	55	7.750	140,000.00	53	7.420	140,000.00	65	9.100	140,000.00	37	5.180	-	-	-	140,000.00	37	5.180	
1.2) Vibration - Vibration Analyzer	B		56,250.00	8	0.450	35,000.00	60	2.100	26,500.00	80	2.120	35,341.46	41	1.449	-	-	-	35,341.46	41	1.449	
1.3) Shipboard Fire Trucks - A/S32-P-25A Fire Truck CILOP	A		161,200.00	65	10.478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.5) S/W Loader - Next Generation Software Loader	A		37,676.06	284	10.700	38,623.08	130	5.021	41,000.00	120	4.920	42,000.00	116	4.872	-	-	-	42,000.00	116	4.872	
1.6) NDI - Video Borescope	A		16,285.09	919	14.966	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.8) Hydraulics - Hydraulic Test Stand I Level	A		222,500.00	26	5.785	121,636.36	22	2.676	142,714.29	14	1.998	144,000.00	12	1.728	-	-	-	144,000.00	12	1.728	
1.10) Platform Support - Air Conditioner Ship Shore	B		116,409.09	88	10.244	138,000.00	50	6.900	138,000.00	59	8.142	140,000.00	35	4.900	-	-	-	140,000.00	35	4.900	
1.11) Platform Support - SD2 Replacement	B		-	-	-	-	-	-	-	-	-	300,000.00	5	1.500	-	-	-	300,000.00	5	1.500	
1.12) Platform Support - Shipboard, Tractor	A		116,352.11	213	24.783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.16) Electrical - Large Capacity MEPP	A		71,175.44	228	16.228	68,457.14	105	7.188	72,612.90	63	4.575	-	-	-	-	-	-	-	-	-	
1.17) Electrical - Small Capacity MEPP (Shipboard)	B		200,000.00	5	1.000	-	-	-	-	-	-	164,000.00	33	5.412	-	-	-	164,000.00	33	5.412	
1.20) Electriconic Warfare- JSECST Upgrade	A		50,000.00	69	3.450	48,452.63	95	4.603	-	-	-	-	-	-	-	-	-	-	-	-	
1.21) First Destination Transportation Costs (1)	A		-	-	-	-	-	-	-	-	0.800	-	-	0.800	-	-	-	-	-	0.800	
Subtotal: 1) Hardware			-	-	105.834	-	-	35.908	-	-	31.655	-	-	25.841	-	-	-	-	-	25.841	
2) Non Recurring																					
2.1) Weapons Control	A		-	-	5.742	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.2) Vibration	A		-	-	3.306	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.6) COMM/NAV I/D	A		-	-	0.692	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.7) Software Load	A		-	-	6.637	-	-	0.129	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy															Date: May 2017					
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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)
2.8) Non Destruct Inspection (NDI)	A		-	-	0.017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.10) Hydraulics	A		-	-	3.071	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.11) Propulsion	A		-	-	2.782	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.12) Platform Support ⁽²⁾	A		-	-	2.793	-	-	0.100	-	-	-	-	-	4.500	-	-	-	-	-	4.500
2.13) Electrical	A		-	-	5.162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.14) Electronic Warfare	A		-	-	0.859	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) Non Recurring			-	-	31.061	-	-	0.229	-	-	-	-	-	4.500	-	-	-	-	-	4.500
3) ILS																				
3.1) Weapons Control	A		-	-	1.367	-	-	0.285	-	-	0.290	-	-	0.293	-	-	-	-	-	0.293
3.2) Vibration	A		-	-	0.601	-	-	0.101	-	-	0.101	-	-	0.101	-	-	-	-	-	0.101
3.3) Corrosion	A		-	-	0.461	-	-	0.065	-	-	0.066	-	-	0.055	-	-	-	-	-	0.055
3.4) Aircraft Wiring	A		-	-	0.674	-	-	0.141	-	-	0.144	-	-	0.145	-	-	-	-	-	0.145
3.5) Shipboard Fire Trucks	A		-	-	0.694	-	-	0.144	-	-	0.147	-	-	0.088	-	-	-	-	-	0.088
3.6) COMM/NAV I/D	A		-	-	1.391	-	-	0.213	-	-	0.200	-	-	0.100	-	-	-	-	-	0.100
3.7) Software Load	A		-	-	0.424	-	-	0.088	-	-	0.090	-	-	0.090	-	-	-	-	-	0.090
3.8) Non Destruct Inspection (NDI)	A		-	-	2.628	-	-	0.414	-	-	0.402	-	-	0.300	-	-	-	-	-	0.300
3.9) Cryogenics	A		-	-	1.098	-	-	0.200	-	-	0.219	-	-	0.200	-	-	-	-	-	0.200
3.10) Hydraulics	A		-	-	0.819	-	-	0.150	-	-	0.181	-	-	0.189	-	-	-	-	-	0.189
3.11) Propulsion	A		-	-	3.753	-	-	0.710	-	-	0.718	-	-	0.722	-	-	-	-	-	0.722
3.12) Platform Support	A		-	-	6.713	-	-	1.355	-	-	1.381	-	-	1.385	-	-	-	-	-	1.385
3.13) Electrical	A		-	-	3.263	-	-	0.843	-	-	0.841	-	-	0.840	-	-	-	-	-	0.840
3.14) Electronic Warfare	A		-	-	0.590	-	-	0.135	-	-	0.100	-	-	0.100	-	-	-	-	-	0.100
Subtotal: 3) ILS			-	-	24.476	-	-	4.844	-	-	4.880	-	-	4.608	-	-	-	-	-	4.608
4) Production Engineering Support																				
4.1) Weapons Control	A		-	-	7.040	-	-	1.451	-	-	1.441	-	-	1.424	-	-	-	-	-	1.424
4.2) Vibration	A		-	-	3.054	-	-	0.528	-	-	0.519	-	-	0.506	-	-	-	-	-	0.506
4.3) Corrosion	A		-	-	0.738	-	-	0.104	-	-	0.094	-	-	0.082	-	-	-	-	-	0.082
4.4) Aircraft Wiring	A		-	-	3.507	-	-	0.653	-	-	0.619	-	-	0.615	-	-	-	-	-	0.615
4.5) Shipboard Fire Trucks	A		-	-	4.933	-	-	0.966	-	-	0.950	-	-	0.931	-	-	-	-	-	0.931
4.6) COMM/NAV I/D	A		-	-	6.512	-	-	1.220	-	-	1.210	-	-	1.191	-	-	-	-	-	1.191
4.7) Software Load	A		-	-	3.724	-	-	0.750	-	-	0.740	-	-	0.726	-	-	-	-	-	0.726

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy															Date: May 2017				
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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)
4.8) Non Destruct Inspection (NDI)	A		-	-	8.292	-	-	1.510	-	-	1.501	-	-	1.411	-	-	-	-	-	1.411
4.9) Cryogenics	A		-	-	7.756	-	-	1.425	-	-	1.404	-	-	1.335	-	-	-	-	-	1.335
4.10) Hydraulics	A		-	-	4.923	-	-	0.917	-	-	0.909	-	-	0.900	-	-	-	-	-	0.900
4.11) Propulsion	A		-	-	14.120	-	-	3.132	-	-	3.029	-	-	2.551	-	-	-	-	-	2.551
4.12) Platform Support	A		-	-	17.261	-	-	3.703	-	-	3.673	-	-	3.237	-	-	-	-	-	3.237
4.13) Electrical	A		-	-	6.103	-	-	1.246	-	-	1.244	-	-	1.242	-	-	-	-	-	1.242
4.14) Electronic Warfare	A		-	-	6.759	-	-	1.308	-	-	1.307	-	-	1.305	-	-	-	-	-	1.305
Subtotal: 4) Production Engineering Support			-	-	94.722	-	-	18.913	-	-	18.640	-	-	17.456	-	-	-	-	-	17.456
5) Installations																				
5.1) Non FMP Installations	A		-	-	12.970	-	-	3.312	-	-	3.154	-	-	1.760	-	-	-	-	-	1.760
5.2) FMP Installations	A		-	-	14.328	-	-	1.861	-	-	1.912	-	-	2.760	-	-	-	-	-	2.760
Subtotal: 5) Installations			-	-	27.298	-	-	5.173	-	-	5.066	-	-	4.520	-	-	-	-	-	4.520
Total			-	-	283.391	-	-	65.067	-	-	60.241	-	-	56.925	-	-	-	-	-	56.925

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

Footnotes:

- (1) 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).
- (2) Non-recurring engineering increase due to Spotting Dolly 2 Replacement.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy																Date: May 2017			
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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 Initial Outfitting ⁽³⁾	A		-	-	25.016	-	-	2.094	-	-	2.131	-	-	2.160	-	-	-	-	-	2.160
1.2) PSE Initial Outfitting ⁽⁴⁾	A		-	-	32.469	-	-	10.057	-	-	10.553	-	-	7.242	-	-	-	-	-	7.242
1.3) New Support Equipment ⁽⁵⁾	A		-	-	48.027	-	-	11.042	-	-	13.490	-	-	13.234	-	-	-	-	-	13.234
Subtotal: 1) Hardware			-	-	105.512	-	-	23.193	-	-	26.174	-	-	22.636	-	-	-	-	-	22.636
2) Production Engineering																				
2.1) CSE Initial Outfitting	A		-	-	1.152	-	-	0.232	-	-	0.238	-	-	0.248	-	-	-	-	-	0.248
2.2) PSE Initial Outfitting	A		-	-	8.661	-	-	0.766	-	-	0.787	-	-	0.819	-	-	-	-	-	0.819
2.3) New Support Equipment	A		-	-	19.290	-	-	4.021	-	-	4.231	-	-	4.288	-	-	-	-	-	4.288
Subtotal: 2) Production Engineering			-	-	29.103	-	-	5.019	-	-	5.256	-	-	5.355	-	-	-	-	-	5.355
3) OCO																				
3.1) Individual Material Readiness List (IMRL) OCO	A		-	-	10.655	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) OCO			-	-	10.655	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	145.270	-	-	28.212	-	-	31.430	-	-	27.991	-	-	-	-	-	27.991

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

Footnotes:

⁽³⁾ Additional CSE for initial outfitting of sites due to: (a) intro of weapon systems and (b) baseloading changes for existing weapon systems/subsystems.

⁽⁴⁾ Additional PSE for initial outfitting of sites due to baseloading changed for out-of-production weapon systems and subsystems.

⁽⁵⁾ New SE Required for replacement of existing SE due to obsolescent and attrition.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy															Date: May 2017					
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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 ⁽⁶⁾	B		2,520K	64	161.257	2,567K	35	89.833	2,618K	28	73.304	2,483K	26	64.558	-	-	-	2,483K	26	64.558
Subtotal: 1) Hardware			-	-	420.537	-	-	89.833	-	-	73.304	-	-	64.558	-	-	-	-	-	64.558
2) ECP																				
2.1) RT CASS	A		-	-	108.352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) eCASS	B		-	-	-	-	-	0.656	-	-	1.093	-	-	1.773	-	-	-	-	-	1.773
Subtotal: 2) ECP			-	-	108.352	-	-	0.656	-	-	1.093	-	-	1.773	-	-	-	-	-	1.773
3) ILS																				
3.1) RT CASS	A		-	-	44.920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) eCASS	B		-	-	23.082	-	-	3.939	-	-	4.390	-	-	4.864	-	-	-	-	-	4.864
Subtotal: 3) ILS			-	-	68.002	-	-	3.939	-	-	4.390	-	-	4.864	-	-	-	-	-	4.864
4) Production Engineering																				
4.1) RT CASS	A		-	-	93.745	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2) eCASS	B		-	-	19.031	-	-	4.381	-	-	4.040	-	-	3.737	-	-	-	-	-	3.737
Subtotal: 4) Production Engineering			-	-	112.776	-	-	4.381	-	-	4.040	-	-	3.737	-	-	-	-	-	3.737
5) Non FMP Installations																				
5.1) RT CASS	A		-	-	29.076	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.2) eCASS	B		-	-	3.838	-	-	3.234	-	-	1.041	-	-	3.349	-	-	-	-	-	3.349
Subtotal: 5) Non FMP Installations			-	-	32.914	-	-	3.234	-	-	1.041	-	-	3.349	-	-	-	-	-	3.349
6) FMP Installations																				
6.1) RT CASS	A		-	-	31.275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) eCASS	B		-	-	0.300	-	-	0.958	-	-	0.153	-	-	1.951	-	-	-	-	-	1.951
Subtotal: 6) FMP Installations			-	-	31.575	-	-	0.958	-	-	0.153	-	-	1.951	-	-	-	-	-	1.951
Total			-	-	774.156	-	-	103.001	-	-	84.021	-	-	80.232	-	-	-	-	-	80.232

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

Footnotes:

⁽⁶⁾ FY21 unit cost reduction due to re-use of available government furnished equipment (GFE) from CASS sundown.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy															Date: May 2017					
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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 ⁽⁷⁾	A		135,120.69	232	31.348	54,066.67	60	3.244	59,875.00	16	0.958	61,581.00	55	3.387	-	-	-	61,581.00	55	3.387
1.2) Complex Decomplex Tool	A		-	-	0.702	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) Environmental Control Units ⁽⁸⁾	A		8,840.75	427	3.775	4,200.00	50	0.210	-	-	-	5,113.64	44	0.225	-	-	-	5,113.64	44	0.225
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			-	-	66.943	-	-	3.454	-	-	0.958	-	-	3.612	-	-	-	-	-	3.612
2) ILS																				
2.1) Non-FMP Installations	A		-	-	17.496	-	-	1.292	-	-	1.103	-	-	1.275	-	-	-	-	-	1.275
Subtotal: 2) ILS			-	-	17.496	-	-	1.292	-	-	1.103	-	-	1.275	-	-	-	-	-	1.275
3) Production Engineering																				
3.1) Mobile Facility Vans	A		-	-	27.932	-	-	2.232	-	-	2.174	-	-	1.930	-	-	-	-	-	1.930
Subtotal: 3) Production Engineering			-	-	27.932	-	-	2.232	-	-	2.174	-	-	1.930	-	-	-	-	-	1.930
4) Miscellaneous Support																				
4.1) Publications	A		-	-	2.072	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) Miscellaneous Support			-	-	2.072	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	114.443	-	-	6.978	-	-	4.235	-	-	6.817	-	-	-	-	-	6.817
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				
Footnotes:																				
⁽⁷⁾ FY17-FY21 Mobile Facility Vans quantity decreased to slow procurements due to competing resources.																				
⁽⁸⁾ Environmental Control Unit: Procurements reduced to zero in FY17 due to production plan to build Integration Unit configuration mobile facilities which do not house Environment Control Units. Qty in FY19 and FY21 decreased due to slow procurements due to competing resources.																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy															Date: May 2017					
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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 - AME Environmental Control Systems (ECS) Trainers ⁽⁹⁾	A		-	-	0.139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) A School - AE Electronic Classroom (ECR) Upgrades ⁽¹⁰⁾	A		442,000.00	1	0.442	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) A School - ATO/ATI Electronic Classroom (ECR) Upgrades	A		1,224K	1	1.224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) A School - Virtual Desktop Infrastructure (VDI) Pod Upgrades	A		-	-	-	-	-	-	911,000.00	1	0.911	-	-	-	-	-	-	-	-	-
1.5) A School - AE Curriculum/PC Simulation Upgrades	A		1,234K	1	1.234	1,699K	1	1.699	-	-	-	-	-	-	-	-	-	-	-	-
1.6) A School - Mobile Electric Power Plant (MEPP)	A		650,000.00	1	0.650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.7) ACTS - Expeditionary Laptop Upgrades	A		1,540.00	50	0.077	3,214.29	28	0.090	2,772.73	44	0.122	2,720.00	50	0.136	-	-	-	2,720.00	50	0.136
1.8) ACTS - Rustici Software Upgrade	A		-	-	-	30,000.00	1	0.030	-	-	-	-	-	-	-	-	-	-	-	-
1.9) ACTS - MS Window 10 Enterprise Licenses	A		-	-	-	125.81	310	0.039	-	-	-	-	-	-	-	-	-	-	-	-
1.10) ACTS - CONUS/ CVN Server Upgrades	A		11,250.00	4	0.045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.11) ATC - 15G34 Tower Simulation System (TSS) Procurement	A		173,410.26	39	6.763	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.12) ATC - 15G30 Integrated Shipboard Information System (ISIS) HW Upgrades	A		207,000.00	1	0.207	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.13) ATC - 15G30 Integrated Shipboard Information System (ISIS) SW Upgrades	A		163,000.00	1	0.163	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.14) ATC - Air Traffic Navigation, Integration & Coordination Sys (ATNAVICS)	A		68,300.00	10	0.683	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy															Date: May 2017					
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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)
1.15) ATC - 15G31 SATS Radar Labs 2&3 w/ VIDS Upgrades	A		-	-	-	-	-	-	5,340K	1	5.340	-	-	-	-	-	-	-	-	-
1.16) ATC - STARS in ARATC Upgrades ⁽¹¹⁾	A		-	-	-	-	-	-	-	-	-	210,833.33	8	1.687	-	-	-	210,833.33	8	1.687
1.17) ATC - 15G33A Improved Precision Approach Trainer (IPART) Upgrades	A		-	-	-	-	-	-	22,830.19	53	1.210	-	-	-	-	-	-	-	-	-
1.19) ATC - Courseware	A		-	-	-	-	-	-	-	-	-	3,877K	1	3.877	-	-	-	3,877K	1	3.877
1.24) NASTP - Mixed Gas Hypoxia Chambers	A		478,833.33	6	2.873	282,000.00	2	0.564	-	-	-	-	-	-	-	-	-	-	-	-
1.25) NASTP - Multi-Station Spatial Disorientation Demonstrator (MSDD)	A		-	-	-	17,000.00	1	0.017	-	-	-	-	-	-	-	-	-	-	-	-
1.26) NASTP - Advanced Spatial Disorientation Curricula	A		-	-	-	-	-	-	168,000.00	1	0.168	-	-	-	-	-	-	-	-	-
1.27) NASTP - Reduced Oxygen Breathing Device (ROBD) Units	A		-	-	-	20,964.29	28	0.587	-	-	-	-	-	-	-	-	-	-	-	-
1.28) NASTP - Reduced Oxygen Breathing Device (ROBD) Transport Carts	A		-	-	-	785.71	28	0.022	-	-	-	-	-	-	-	-	-	-	-	-
1.29) NASTP - Reduced Oxygen Breathing Device (ROBD) Accessories	A		-	-	-	5,607.14	28	0.157	-	-	-	-	-	-	-	-	-	-	-	-
1.30) NASTP - Reduced Oxygen Breathing Device (Molecular Sieve)	A		-	-	-	-	-	-	-	-	-	36,050.00	40	1.442	-	-	-	36,050.00	40	1.442
1.31) NASTP - Reduced Oxygen Breathing Device Win 10 Upgrade	A		-	-	-	-	-	-	138,000.00	1	0.138	-	-	-	-	-	-	-	-	-
1.32) NASTP - Dynamic Ejection Trainer Tech Refresh	A		206,000.00	2	0.412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy																Date: May 2017				
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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)
1.33) NASTP - Virtual Reality Parachute Descent Trainer (VRPDT) Win7 Upgrades	A		-	-	-	31,535.71	28	0.883	-	-	-	-	-	-	-	-	-	-	-	-
1.37) NASTP - 9F2A & 9F2C Parachute in Water Motor Replacement	A		-	-	-	-	-	-	-	-	-	65,428.57	7	0.458	-	-	-	65,428.57	7	0.458
1.39) LSO - Training System Upgrades	A		1,098K	2	2.196	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.40) Common ASW - Interactive Multi-Sensors Analysis Trainer (IMAT) Upgrades	A		1,170K	2	2.340	581,000.00	1	0.581	504,000.00	1	0.504	542,000.00	1	0.542	-	-	-	542,000.00	1	0.542
1.41) Common ASW - Tactical Acoustic Intelligence (ACINT) Product Upgrades	A		184,000.00	2	0.368	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Hardware			-	-	19.816	-	-	4.669	-	-	8.393	-	-	8.142	-	-	-	-	-	8.142
2) ILS																				
2.1) A School	A		-	-	0.083	-	-	0.032	-	-	-	-	-	-	-	-	-	-	-	-
2.2) ATC	A		-	-	0.650	-	-	-	-	-	0.199	-	-	0.154	-	-	-	-	-	0.154
2.3) NASTP	A		-	-	0.849	-	-	0.187	-	-	0.113	-	-	0.347	-	-	-	-	-	0.347
2.4) LSO	A		-	-	0.330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) Common ASW	A		-	-	0.039	-	-	0.001	-	-	0.001	-	-	0.001	-	-	-	-	-	0.001
Subtotal: 2) ILS			-	-	1.951	-	-	0.220	-	-	0.313	-	-	0.502	-	-	-	-	-	0.502
3) Production Engineering																				
3.1) A School	A		-	-	0.256	-	-	0.201	-	-	0.008	-	-	-	-	-	-	-	-	-
3.2) ACTS	A		-	-	0.017	-	-	0.005	-	-	0.016	-	-	0.003	-	-	-	-	-	0.003
3.3) ATC	A		-	-	1.248	-	-	-	-	-	1.067	-	-	0.184	-	-	-	-	-	0.184
3.4) NASTP	A		-	-	5.254	-	-	0.905	-	-	0.317	-	-	0.628	-	-	-	-	-	0.628
3.5) LSO	A		-	-	0.983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.6) Common ASW	A		-	-	1.573	-	-	0.093	-	-	0.118	-	-	0.088	-	-	-	-	-	0.088
Subtotal: 3) Production Engineering			-	-	9.331	-	-	1.204	-	-	1.526	-	-	0.903	-	-	-	-	-	0.903
4) Non Recurring																				
4.1) Common ASW	A		-	-	0.006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) Non Recurring			-	-	0.006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) Acceptance Testing																				
5.1) A School	A		-	-	0.034	-	-	0.038	-	-	-	-	-	-	-	-	-	-	-	-
5.2) ACTS	A		-	-	0.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy															Date: May 2017				
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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)
5.3) ATC	A		-	-	0.090	-	-	-	-	-	0.055	-	-	0.044	-	-	-	-	-	0.044
5.4) NASTP	A		-	-	0.113	-	-	0.136	-	-	0.088	-	-	0.100	-	-	-	-	-	0.100
5.5) LSO	A		-	-	0.032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.6) Common ASW	A		-	-	0.101	-	-	0.001	-	-	0.001	-	-	0.001	-	-	-	-	-	0.001
Subtotal: 5) Acceptance Testing			-	-	0.410	-	-	0.175	-	-	0.144	-	-	0.145	-	-	-	-	-	0.145
6) Production Support																				
6.1) A School	A		-	-	0.110	-	-	0.206	-	-	0.081	-	-	-	-	-	-	-	-	-
6.2) ACTS	A		-	-	0.678	-	-	0.029	-	-	0.035	-	-	0.034	-	-	-	-	-	0.034
6.3) ATC	A		-	-	1.954	-	-	-	-	-	0.456	-	-	0.466	-	-	-	-	-	0.466
6.4) NASTP	A		-	-	1.397	-	-	0.458	-	-	0.184	-	-	0.197	-	-	-	-	-	0.197
6.5) LSO	A		-	-	0.582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.6) Common ASW	A		-	-	0.179	-	-	0.002	-	-	0.001	-	-	0.034	-	-	-	-	-	0.034
Subtotal: 6) Production Support			-	-	4.900	-	-	0.695	-	-	0.757	-	-	0.731	-	-	-	-	-	0.731
Total			-	-	36.414	-	-	6.963	-	-	11.133	-	-	10.423	-	-	-	-	-	10.423

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

Footnotes:

⁽⁹⁾ Applies to all Hardware Upgrades/Modernization efforts: Total quantity and cost of device Upgrades/Modernization may vary year to year. These Upgrades/Modernization efforts do not increase inventory since they are on existing devices (cost of Upgrading/Modernization of individual devices may vary due to various factors such as age, condition or current device capability) except for the following line items that do increase inventory quantities: 1.7, 1.8, 1.25, 1.26, 1.28, 1.29 and 1.30.

⁽¹⁰⁾ A School - AB Electronic Classroom (ECR) Upgrades renamed to A School - AE Electronic Classroom (ECR) Upgrades

⁽¹¹⁾ ATC - Standard Terminal Automation Replacement System (STARS) in Advanced Radar Air Traffic Control (ARATC) Upgrades

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy															Date: May 2017				
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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		1,183K	5	5.914	1,589K	1	1.589	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1) Mission Rehearsal Pre-Planned (Topscene)			-	-	5.914	-	-	1.589	-	-	-	-	-	-	-	-	-	-	-	
2) ILS																				
2.1) Topscene	A		-	-	1.133	-	-	0.142	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2) ILS			-	-	1.133	-	-	0.142	-	-	-	-	-	-	-	-	-	-	-	
3) Acceptance Testing																				
3.1) Topscene	A		-	-	1.791	-	-	0.054	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 3) Acceptance Testing			-	-	1.791	-	-	0.054	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	8.838	-	-	1.785	-	-	-	-	-	-	-	-	-	-	-	

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: FY 2018 Navy																Date: May 2017					
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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) CNATRA - T-45 Operational Flight Trainer (OFT) Upgrades ⁽¹²⁾	A		12,354K	1	12.354	-	-	-	3,912K	1	3.912	-	-	-	-	-	-	-	-	-	
1.2) CNATRA - TH-57 Projectors	A		1,145K	1	1.145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.3) CNATRA - TH-57 Instructor Operator Station Upgrade	A		-	-	-	7,133.00	1	0.007	-	-	-	-	-	-	-	-	-	-	-	-	
1.4) CNATRA - T-6 Win 10 Upgrades	A		-	-	-	12,330K	1	12.330	-	-	-	-	-	-	-	-	-	-	-	-	
1.5) CNATRA - T-6 IOS Joystick & Throttle Mod Upgrades	A		-	-	-	11,000.00	1	0.011	-	-	-	-	-	-	-	-	-	-	-	-	
1.6) CNATRA- T-45 Win 10 Image Gen Sys Servers Upgrades	A		-	-	-	2,533K	1	2.533	-	-	-	-	-	-	-	-	-	-	-	-	
1.7) CNATRA - T-45 Win 10 Instructor Operator Station Computer Upgrades	A		-	-	-	441,000.00	1	0.441	-	-	-	-	-	-	-	-	-	-	-	-	
1.8) CNATRA - T-45 Win 10 Aural Cues Computers Upgrades	A		-	-	-	123,000.00	1	0.123	-	-	-	-	-	-	-	-	-	-	-	-	
1.9) CNATRA - T-45 UMFO - Win 10 ViTech Driver	A		-	-	-	28,000.00	1	0.028	-	-	-	-	-	-	-	-	-	-	-	-	
1.10) CNATRA - T-45 Win 10 Virtual IO SW Upgrades	A		-	-	-	146,000.00	1	0.146	-	-	-	-	-	-	-	-	-	-	-	-	
1.11) E-6 - Interactive Avionic Trainer Rehost	A		1,754K	1	1.754	1,654K	1	1.654	1,960K	1	1.960	-	-	-	-	-	-	-	-	-	
1.12) E-6 OFT Tech Modernization ⁽¹³⁾	A		-	-	-	-	-	-	-	-	-	2,023K	1	2.023	-	-	-	2,023K	1	2.023	
1.13) E-6 - Windows 7 Upgrades	A		-	-	-	78,250.00	12	0.939	-	-	-	-	-	-	-	-	-	-	-	-	
1.14) E-6 - Windows 10 Upgrade	A		-	-	-	126,000.00	1	0.126	-	-	-	-	-	-	-	-	-	-	-	-	
1.15) EP-3 - 10H1 Device Upgrades	A		1,708K	3	5.124	339,000.00	1	0.339	-	-	-	-	-	-	-	-	-	-	-	-	
1.16) FA-18 - Equipment Modernization	A		4,714K	4	18.855	-	-	-	3,922K	1	3.922	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy															Date: May 2017					
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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)
1.17) FA-18 - Equipment Modernization Phase I	A		-	-	-	3,919K	1	3.919	-	-	-	-	-	-	-	-	-	-	-	-
1.18) FA-18 - Equipment Modernization Phase II	A		-	-	-	3,978K	1	3.978	-	-	-	-	-	-	-	-	-	-	-	-
1.19) P-3C - 2F179A TORT Windows 7 Upgrades	A		201,500.00	4	0.806	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.20) P-3C - 14B59 FDT Windows 7 Upgrades	A		150,000.00	2	0.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.21) P-3C - 2F87 OFT Tech Refresh	A		462,000.00	2	0.924	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.22) P-3C - 2F179A TORT Tech Refresh	A		504,500.00	2	1.009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.23) UMFO Training - MCS Block 1B	A		1,932K	2	3.863	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.24) USMC Fed Sim - Aviation Dist Virtual Trng Environ (ADVTE) Modernization ⁽¹⁴⁾	A		2,536K	2	5.073	-	-	-	-	-	-	12,209K	1	12.209	-	-	-	12,209K	1	12.209
1.25) USMC Fed Sim - Marine Common Aircrew Trainer (MCAT) Upgrades	A		950,000.00	1	0.950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.26) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD)	A		11,000K	5	55.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.27) USMC Fed Sim - MCAT GFE UH-1Y Weapons Mounts	A		217,375.00	8	1.739	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.28) USMC Fed Sim - MCAT GFE CH-53 Weapons Mounts	A		163,250.00	8	1.306	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.29) USMC Fed Sim - MCAT GFE MV-22 Weapons Mounts	A		69,250.00	8	0.554	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.30) USMC Fed Sim - CH-53E CFTD Modernization ⁽¹⁵⁾	A		-	-	-	-	-	-	6,330K	1	6.330	-	-	-	-	-	-	-	-	-
1.31) USMC Fed Sim - CH-53E Aircrew Procedure Trnr (APT) Modernization ⁽¹⁶⁾	A		4,308K	2	8.616	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy															Date: May 2017					
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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)
1.32) USMC Fed Sim - CH-53E OCONUS Aircrew Procedures Trainer (APT) ⁽¹⁷⁾	A		-	-	-	-	-	-	14,990K	1	14.990	-	-	-	-	-	-	-	-	-
1.33) USMC Fed Sim - CH-53E Weapon System Trainer (WST) Modernization ⁽¹⁸⁾	A		5,356K	2	10.711	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.34) USMC Fed Sim - KC-130J Weapons System Trainer (WST) Modernization ⁽¹⁹⁾	A		6,955K	1	6.955	-	-	-	-	-	-	10,678K	1	10.678	-	-	-	10,678K	1	10.678
1.35) USMC Fed Sim - KC-130J OCONUS Wpn Sys Trainer (WST) Modernization ⁽²⁰⁾	A		-	-	-	16,948K	1	16.948	-	-	-	-	-	-	-	-	-	-	-	-
1.36) USMC Fed Sim - AH-1Z Flight Training Device (FTD) Modernization ⁽²¹⁾	A		32,000.00	1	0.032	-	-	-	-	-	-	8,000K	1	8.000	-	-	-	8,000K	1	8.000
1.37) USMC Fed Sim - AH-1Z Full Flight Simulator (FFS) Modernization ⁽²²⁾	A		7,329K	1	7.329	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.38) USMC Fed Sim - UH-1Y Flight Training Device (FTD) Modernization ⁽²³⁾	A		7,530K	1	7.530	-	-	-	-	-	-	8,000K	1	8.000	-	-	-	8,000K	1	8.000
1.40) USMC Fed Sim - UH-1Y Full Flight Simulator (FFS) Modernization ⁽²⁴⁾	A		8,192K	1	8.192	-	-	-	-	-	-	11,350K	1	11.350	-	-	-	11,350K	1	11.350
1.41) USMC Fed Sim - MV-22 CFTD Modernization ⁽²⁵⁾	A		-	-	-	-	-	-	-	-	-	4,008K	4	16.030	-	-	-	4,008K	4	16.030
1.42) USMC Fed Sim - FA-18 C/D Tact Operational Flt Trnr (TOFT) Modernization ⁽²⁶⁾	A		-	-	-	3,115K	2	6.230	3,115K	6	18.690	-	-	-	-	-	-	-	-	-
1.43) USMC Fed Sim - FA-18 C/D OCONUS TOFT Modernization ⁽²⁷⁾	A		-	-	-	-	-	-	5,498K	2	10.995	-	-	-	-	-	-	-	-	-

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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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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)
1.44) USMC Fed Sim - AV-8B Weapons Systems Trainer (WST) Modernization (28)	A		-	-	-	-	-	-	4,612K	1	4.612	5,008K	1	5.008	-	-	-	5,008K	1	5.008
1.45) USMC Fed Sim - AV-8B Maintenance Trainer (MT) Modernization (29)	A		921,250.00	4	3.685	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.46) USMC Fed Sim - AV-8B Deployable Mission Rehearsal Trainer (DMRT)	A		2,102K	4	8.409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.47) USMC Fed Sim - VH-3D Aircrew Procedures Trainer (APT) Modernization (30)	A		909,000.00	1	0.909	28,000.00	1	0.028	-	-	-	-	-	-	-	-	-	-	-	-
1.48) USMC Fed Sim - VH-3D APT Visual Database Upgrades (31)	A		995,000.00	1	0.995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.49) USMC Fed Sim - VH-60N CFTD Visual Database Upgrade	A		-	-	-	100,000.00	1	0.100	-	-	-	-	-	-	-	-	-	-	-	-
1.50) USMC Fed Sim - USMC Training Continuum Integration Upgrades	A		213,000.00	2	0.426	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.51) USMC Fed Sim - CH-53E TCI Basic Training Courseware Upgrades	A		279,000.00	1	0.279	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.52) E-2/C-2 - E2 Weapons Systems Trainer (WST) Tech Upgrades	A		-	-	-	-	-	-	1,392K	1	1.392	-	-	-	-	-	-	-	-	-
1.53) E-2/C-2 - C2 Operational Flight Trainer (OFT) Tech Upgrades	A		5,975K	1	5.975	7,611K	1	7.611	-	-	-	-	-	-	-	-	-	-	-	-
1.54) E-2/C-2 - C2 OFT ASTI Digital Aural Comms Sys Upgrades	A		-	-	-	-	-	-	170,000.00	1	0.170	-	-	-	-	-	-	-	-	-
1.55) E-2/C-2 - Enhanced Distributed	A		136,250.00	4	0.545	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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)
Readiness Trainer (EDRT) Tech Upgrades																				
1.57) E-2/C-2 - E-2 Cooperative Engagement Capability (CEC) Upgrades	A		-	-	-	-	-	-	320,000.00	1	0.320	-	-	-	-	-	-	-	-	-
1.58) E-2/C-2 - E-2 Distributed Training Upgrades	A		-	-	-	-	-	-	500,000.00	1	0.500	-	-	-	-	-	-	-	-	-
1.59) MH-53 - AMCM Stream & Recovery Mod (ASRM) Upgrades ⁽³²⁾	A		807,500.00	2	1.615	349,000.00	1	0.349	350,000.00	1	0.350	-	-	-	-	-	-	-	-	-
1.60) MH-53 - 2H165 Config and Cargo Load Procedures Trainer (CCLPT) Upgrades ⁽³³⁾	A		1,033K	1	1.033	-	-	-	-	-	-	375,000.00	1	0.375	-	-	-	375,000.00	1	0.375
1.61) MH-53 - CCLPT/ Operational Flight Trainer (OFT)/ASRM Upgrades ⁽³⁴⁾	A		1,559K	1	1.559	181,000.00	1	0.181	229,000.00	1	0.229	187,000.00	1	0.187	-	-	-	187,000.00	1	0.187
1.62) MH-53 - 2H162 Enhanced Aircrew External Trainer Upgrades	A		662,000.00	1	0.662	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.63) NASMP - Navy Continuous Training Environment (NCTE) Nodes Upgrades	A		375,000.00	3	1.125	156,000.00	1	0.156	375,000.00	3	1.125	-	-	-	-	-	-	-	-	-
1.64) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET)	A		7,880K	4	31.522	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.65) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET) Upgrades	A		-	-	-	64,000.00	1	0.064	-	-	-	-	-	-	-	-	-	-	-	-
1.66) NASMP - H-60S Technology Refresh Upgrades	A		22,925K	1	22.925	8,563K	1	8.563	5,088K	1	5.088	9,449K	1	9.449	-	-	-	9,449K	1	9.449
1.67) NASMP - H-60R Technology Refresh Upgrades	A		11,717K	1	11.717	753,000.00	1	0.753	2,820K	1	2.820	3,288K	1	3.288	-	-	-	3,288K	1	3.288
1.68) NASMP - MH-60R Naval	A		9,191K	3	27.572	-	-	-	8,949K	1	8.949	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy															Date: May 2017					
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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)
Aircrew Training Systems (NATS)																				
1.69) NASMP - MH-60R Naval Aircrew Training Systems (NATS) Upgrades	A		-	-	-	39,000.00	1	0.039	-	-	-	-	-	-	-	-	-	-	-	-
1.70) NASMP - MH-60 Threat Attributes Production (JSAF)	A		798,000.00	1	0.798	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.71) NASMP - FA/EA-18 - System Fidelity Upgrades (TECR)	A		15,434K	1	15.434	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.72) NASMP - FA/EA-18 Next Generation Threat System (NGTS) V3.2 Upgrades	A		-	-	-	6,250K	1	6.250	-	-	-	-	-	-	-	-	-	-	-	-
1.73) NASMP - FA/EA-18 NGTS v3.2 Upgrades	A		-	-	-	11,146K	1	11.146	-	-	-	-	-	-	-	-	-	-	-	-
1.75) NASMP - FA/EA-18 Visual Display Upgrades	A		1,367K	11	15.036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.76) NASMP - FA/EA-18 COMMS Upgrades	A		-	-	-	5,180K	1	5.180	-	-	-	-	-	-	-	-	-	-	-	-
1.77) NASMP - FA/EA-18 Weps Fidelity Upgrades	A		-	-	-	-	-	-	-	-	-	7,180K	1	7.180	-	-	-	7,180K	1	7.180
1.78) NASMP - FA/EA-18 Seat Upgrades	A		1,085K	10	10.847	852,833.33	6	5.117	-	-	-	-	-	-	-	-	-	-	-	-
1.79) NASMP - FA/EA-18 Blue Forces, Threat, Terrain VDB Upgrades ⁽³⁵⁾	A		-	-	-	-	-	-	-	-	-	12,548K	1	12.548	-	-	-	12,548K	1	12.548
1.80) NASMP - FA/EA-18 Airborne Electronic Attack (AEA) Model Fidelity Upgs ⁽³⁶⁾	A		-	-	-	-	-	-	8,239K	1	8.239	-	-	-	-	-	-	-	-	-
1.81) NASMP - FA/EA-18 APG-79 AESA Fidelity Upgrades ⁽³⁷⁾	A		-	-	-	-	-	-	5,950K	1	5.950	-	-	-	-	-	-	-	-	-
1.82) NASMP - FA/EA-18 APG-73 Fidelity Upgrade	A		-	-	-	3,477K	1	3.477	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy															Date: May 2017					
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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)
1.83) NASMP - FA/EA-18 Electro-Optical/Infra-Red (EO/IR) Upgrades	A		-	-	-	2,700K	1	2.700	-	-	-	-	-	-	-	-	-	-	-	-
1.84) NASMP - FA/EA-18 SAN Disk Upgrades	A		569,695.65	23	13.103	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.86) NASMP - FA/EA-18 NASMP 1.4 / Fleet Synthetic Training (FST) Upgrades	A		-	-	-	6,806K	1	6.806	-	-	-	-	-	-	-	-	-	-	-	-
1.87) NASMP - FA/EA-18 Malfunctions Fidelity Upgrades	A		-	-	-	-	-	-	-	-	-	7,885K	1	7.885	-	-	-	7,885K	1	7.885
1.88) NASMP - FA/EA-18 Aural Cueing HW Upgrades	A		347,826.09	23	8.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.89) NASMP - FA/EA-18 MIDS Fidelity Upgrades	A		-	-	-	5,851K	1	5.851	-	-	-	-	-	-	-	-	-	-	-	-
1.91) NASMP - FA/EA-18 Windows 7 Upgrades	A		1,499K	1	1.499	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.92) NASMP - FA/EA-18 - TOFT Mission Upgrades	A		1,543K	1	1.543	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.93) NASMP - FA/EA-18 - TOFT Software Gold Disk Upgrade	A		-	-	-	1,161K	1	1.161	1,138K	1	1.138	-	-	-	-	-	-	-	-	-
1.94) NASMP - Common Acoustic Simulation Environment (CASE) Upgrades	A		-	-	-	12,985K	1	12.985	-	-	-	-	-	-	-	-	-	-	-	-
1.95) NASMP - CASE MH-60R TOFT #4 Integration	A		-	-	-	-	-	-	886,000.00	1	0.886	-	-	-	-	-	-	-	-	-
1.96) NASMP - CASE MH-60R TOFT Integration Manned Flight Simulator (MFS)	A		-	-	-	-	-	-	821,000.00	1	0.821	-	-	-	-	-	-	-	-	-
1.97) NASMP - CASE Data Set	A		-	-	-	700,000.00	1	0.700	-	-	-	-	-	-	-	-	-	-	-	-
1.103) NASMP - E-6B Tech Refresh	A		-	-	-	1,130K	1	1.130	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy																Date: May 2017				
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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)
1.107) NASMP - Navy Electronic Warfare Tactical Training Database (NEWT DB)	A		-	-	-	600,000.00	1	0.600	-	-	-	-	-	-	-	-	-	-	-	-
1.108) NASMP - Navy Aviation Distributed Training Center (NADTC) 1.0	A		-	-	-	-	-	1.950	-	-	-	-	-	-	-	-	-	-	-	-
1.109) NASMP - Navy Aviation Distributed Training Center (NADTC) 2.0	A		-	-	-	-	-	-	-	-	5.603	-	-	-	-	-	-	-	-	-
1.110) NASMP - FA-18 IOS-BDS-MOC Stores Management Fidelity	A		-	-	-	-	-	-	-	-	-	7,269K	1	7.269	-	-	-	7,269K	1	7.269
1.116) LVC - Next Generation Threat System Upgrades	A		-	-	-	2,148K	1	2.148	-	-	-	200,000.00	1	0.200	-	-	-	200,000.00	1	0.200
1.117) LVC - Integrated Training Facility (ITF) ⁽³⁸⁾	A		-	-	-	-	-	-	-	-	12.184	-	-	18.966	-	-	-	-	-	18.966
Subtotal: 1) Hardware			-	-	347.334	-	-	134.797	-	-	121.175	-	-	140.645	-	-	-	-	-	140.645
2) ILS																				
2.1) CNATRA ⁽³⁹⁾	A		-	-	0.638	-	-	0.297	-	-	0.974	-	-	-	-	-	-	-	-	-
2.2) E-6 ⁽⁴⁰⁾	A		-	-	0.379	-	-	0.097	-	-	0.057	-	-	0.054	-	-	-	-	-	0.054
2.3) EP-3	A		-	-	0.209	-	-	0.144	-	-	-	-	-	-	-	-	-	-	-	-
2.4) FA-18	A		-	-	0.888	-	-	0.083	-	-	0.093	-	-	-	-	-	-	-	-	-
2.5) P-3C	A		-	-	0.242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.6) UMFO Training	A		-	-	1.095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.7) USMC Federation Simulators	A		-	-	9.219	-	-	1.945	-	-	1.666	-	-	1.673	-	-	-	-	-	1.673
2.8) E-2/C-2	A		-	-	0.760	-	-	0.228	-	-	0.224	-	-	-	-	-	-	-	-	-
2.9) MH-53	A		-	-	0.652	-	-	0.184	-	-	0.164	-	-	0.190	-	-	-	-	-	0.190
2.10) NASMP	A		-	-	6.990	-	-	1.172	-	-	1.859	-	-	1.648	-	-	-	-	-	1.648
2.11) LVC	A		-	-	-	-	-	0.046	-	-	0.220	-	-	0.201	-	-	-	-	-	0.201
Subtotal: 2) ILS			-	-	21.072	-	-	4.196	-	-	5.257	-	-	3.766	-	-	-	-	-	3.766
3) Production Engineering																				
3.1) CNATRA	A		-	-	2.515	-	-	1.213	-	-	3.305	-	-	-	-	-	-	-	-	-
3.2) E-6	A		-	-	2.072	-	-	0.371	-	-	0.498	-	-	0.464	-	-	-	-	-	0.464
3.3) EP-3	A		-	-	0.764	-	-	0.149	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy																Date: May 2017				
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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)
3.4) FA-18	A		-	-	12.832	-	-	2.440	-	-	2.021	-	-	-	-	-	-	-	-	-
3.5) P-3C	A		-	-	0.666	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.6) UMFO Training	A		-	-	4.547	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.7) USMC Federation Simulators	A		-	-	30.040	-	-	4.479	-	-	3.255	-	-	3.402	-	-	-	-	-	3.402
3.8) E-2/C-2	A		-	-	1.843	-	-	0.487	-	-	0.975	-	-	-	-	-	-	-	-	-
3.9) MH-53	A		-	-	0.755	-	-	0.319	-	-	0.232	-	-	0.254	-	-	-	-	-	0.254
3.10) NASMP	A		-	-	63.149	-	-	10.846	-	-	14.152	-	-	13.718	-	-	-	-	-	13.718
3.11) LVC	A		-	-	-	-	-	2.080	-	-	0.731	-	-	1.614	-	-	-	-	-	1.614
Subtotal: 3) Production Engineering			-	-	119.183	-	-	22.384	-	-	25.169	-	-	19.452	-	-	-	-	-	19.452
4) Acceptance Testing																				
4.1) CNATRA	A		-	-	0.279	-	-	0.235	-	-	0.487	-	-	-	-	-	-	-	-	-
4.2) E-6	A		-	-	0.109	-	-	0.071	-	-	0.039	-	-	0.039	-	-	-	-	-	0.039
4.3) EP-3	A		-	-	0.137	-	-	0.102	-	-	-	-	-	-	-	-	-	-	-	-
4.4) P-3C	A		-	-	0.394	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.5) UMFO Training	A		-	-	0.393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.6) USMC Federation Simulators	A		-	-	1.562	-	-	0.387	-	-	0.392	-	-	0.397	-	-	-	-	-	0.397
4.7) NASMP	A		-	-	5.161	-	-	1.027	-	-	1.854	-	-	1.840	-	-	-	-	-	1.840
4.8) LVC	A		-	-	-	-	-	0.514	-	-	0.751	-	-	0.710	-	-	-	-	-	0.710
Subtotal: 4) Acceptance Testing			-	-	8.035	-	-	2.336	-	-	3.523	-	-	2.986	-	-	-	-	-	2.986
5) Production Support																				
5.1) CNATRA	A		-	-	1.235	-	-	0.740	-	-	1.762	-	-	-	-	-	-	-	-	-
5.2) E-6	A		-	-	0.892	-	-	0.541	-	-	0.217	-	-	0.271	-	-	-	-	-	0.271
5.3) EP-3	A		-	-	1.485	-	-	0.502	-	-	-	-	-	-	-	-	-	-	-	-
5.4) FA-18	A		-	-	2.053	-	-	0.159	-	-	0.180	-	-	-	-	-	-	-	-	-
5.5) P-3C	A		-	-	1.976	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.6) UMFO Training	A		-	-	2.410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.7) E-2/C-2	A		-	-	0.727	-	-	0.485	-	-	0.226	-	-	-	-	-	-	-	-	-
5.8) MH-53	A		-	-	0.551	-	-	0.228	-	-	0.232	-	-	0.236	-	-	-	-	-	0.236
5.9) USMC Federation Simulators	A		-	-	23.403	-	-	4.711	-	-	4.226	-	-	4.224	-	-	-	-	-	4.224
5.10) NASMP	A		-	-	38.514	-	-	5.777	-	-	10.371	-	-	9.571	-	-	-	-	-	9.571
5.11) LVC	A		-	-	-	-	-	0.566	-	-	0.612	-	-	0.575	-	-	-	-	-	0.575
Subtotal: 5) Production Support			-	-	73.246	-	-	13.709	-	-	17.826	-	-	14.877	-	-	-	-	-	14.877
Total			-	-	568.870	-	-	177.422	-	-	172.950	-	-	181.726	-	-	-	-	-	181.726
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: FY 2018 Navy		Date: May 2017
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
Footnotes: ⁽¹²⁾ Applies to all Hardware Upgrades/Modernization efforts: Total quantity and cost of device Upgrades/Modernization may vary year to year. These Upgrades/Modernization efforts do not increase inventory since they are on existing devices (cost of Upgrading/Modernization of individual devices may vary due to various factors such as age, condition or current device capability) except for the following line items that do increase inventory quantities: 1.26, 1.45, 1.63 and 1.67. ⁽¹³⁾ E-6 - Trainer Block Upgrades renamed to E-6 OFT Tech Modernization ⁽¹⁴⁾ USMC Fed Sim - Aviation Dist Virtual Trng Environ (ADVTE) Tech Upgrades renamed to USMC Fed Sim - Aviation Dist Virtual Trng Environ (ADVTE) Modernization ⁽¹⁵⁾ USMC Fed Sim - CH-53E CFTD Upgrades renamed to USMC Fed Sim - CH-53E CFTD Modernization ⁽¹⁶⁾ USMC Fed Sim - CH-53E Aircrew Procedure Trnr 2F190-2/2F190-1 Upgrades renamed to USMC Fed Sim - CH-53E Aircrew Procedure Trnr (APT) Modernization. ⁽¹⁷⁾ USMC Fed Sim - CH-53E APT 2F171 Upgrades renamed to USMC Fed Sim - CH-53E OCONUS Aircrew Procedures Trainer (APT) New Unit to be located in Futenma, Japan. No inventory increase as this unit will be replacing an existing APT that is uneconomical to upgrade. ⁽¹⁸⁾ USMC Fed Sim - CH-53E 2F174-1&2 Weapon Sys Trnr (WST) Visual Upgrades renamed to USMC Fed Sim - CH-53E Weapon System Trainer (WST) Modernization ⁽¹⁹⁾ USMC Fed Sim - KC-130J Upgrades renamed to USMC Fed Sim - KC-130J Weapons System Trainer (WST) Modernization ⁽²⁰⁾ USMC Fed Sim - KC-130J Motion and Visual System Upgrades renamed to USMC Fed Sim - KC-130J OCONUS Wpn Sys Trainer (WST) Modernization ⁽²¹⁾ USMC Fed Sim - AH-1Z Flight Training Device (FTD) Tech/Visual Upgrades renamed to USMC Fed Sim - AH-1Z Flight Training Device (FTD) Modernization ⁽²²⁾ USMC Fed Sim - AH-1Z Full Flight Simulator (FFS) Tech/Visual Upgrades renamed to USMC Fed Sim - AH-1Z Full Flight Simulator (FFS) Modernization ⁽²³⁾ USMC Fed Sim - UH-1Y Flight Training Device (FTD) Tech/Visual Upgrades renamed to USMC Fed Sim - UH-1Y Flight Training Device (FTD) Modernization ⁽²⁴⁾ USMC Fed Sim - UH-1Y Full Flight Simulator (FFS) Tech/Visual Upgrades renamed to USMC Fed Sim - UH-1Y Full Flight Simulator (FFS) Modernization ⁽²⁵⁾ USMC Fed Sim - MV-22 CFTD Tech/Visual Upgrades renamed to USMC Fed Sim - MV-22 CFTD Modernization ⁽²⁶⁾ USMC Fed Sim - FA-18 TOFT 16/28/30/31/32/33/34/35/36/ 37/38/40 Upgrades renamed to USMC Fed Sim - FA-18 C/D Tactical Operational Flight Trainer (TOFT) Modernization ⁽²⁷⁾ USMC Fed Sim - FA-18 TOFT (Japan) Upgrades renamed to USMC Fed Sim - FA-18 C/D OCONUS TOFT Modernization ⁽²⁸⁾ USMC Fed Sim - AV-8B 2F150A/B/C/D/E WST Tech/Visual Upgrades renamed to USMC Fed Sim - AV-8B Weapons Systems Trainer (WST) Modernization ⁽²⁹⁾ USMC Fed Sim - AV-8B Maintenance Trainer Upgrades renamed to USMC Fed Sim - AV-8B Maintenance Trainer (MT) Modernization ⁽³⁰⁾ USMC Fed Sim - VH-3/60 Upgrades renamed to USMC Fed Sim - VH-3D Aircrew Procedures Trainer (APT) Modernization ⁽³¹⁾ USMC Fed Sim - VH-3/60 APT Visual Database Upgrades renamed to USMC Fed Sim - VH-3D APT Visual Database Upgrades ⁽³²⁾ MH-53 - Air Mine Countermeasure Stream & Recovery Mod (ASRM) Upgrades renamed to MH-53 - Airborne Mine Countermeasures (AMCM) Stream & Recovery Mod (ASRM) Upgrades ⁽³³⁾ MH-53 - 2H165 Air Mine Countermeasure (AVCM) Config Trainer Upgrades renamed to MH-53 - 2H165 Config and Cargo Load Procedures Trainer (CCLPT) Upgrades ⁽³⁴⁾ MH-53 - 2H165 Cargo Trainer Upgrades renamed to MH-53 - CCLPT/Operational Flight Trainer (OFT)/ASRM Upgrades ⁽³⁵⁾ NASMP - FA/EA-18 Blue Forces Visual Data Base (VDB) Upgrades renamed to NASMP - FA/EA-18 Blue Forces, Threat, Terrain Visual Data Base (VDB) Upgrades ⁽³⁶⁾ NASMP - FA/EA-18 Airborne Electronic Attack (AEA) Model Upgrades renamed to NASMP - FA/EA-18 Airborne Electronic Attack (AEA) Model Fidelity Upgs ⁽³⁷⁾ NASMP - FA/EA-18 APG-79 Upgrades renamed to NASMP - FA/EA-18 APG-79 Active Electronically Scanned Array (AESA) Fidelity Upgrades ⁽³⁸⁾ This line funds procurement of various equipment necessary to create an Integrated Training Facility at the Naval Aviation Warfighting Development Center (NAWDC), Fallon. Fluctuations in funding from year to year are based on the individual Fleet training requirements for multiple aircraft Type/Model/Series. ⁽³⁹⁾ FY17 CNATRA costs will fund delivery support through FY19. ⁽⁴⁰⁾ FY16 increased support costs are in support of government efforts for the Windows 7 Upgrades		

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Exhibit P-40, Budget Line Item Justification: FY 2018 Navy **Date:** May 2017

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

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,051.709	24.931	23.718	24.613	0.463	25.076	25.100	25.563	26.087	26.611	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,051.709	24.931	23.718	24.613	0.463	25.076	25.100	25.563	26.087	26.611	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,051.709	24.931	23.718	24.613	0.463	25.076	25.100	25.563	26.087	26.611	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:

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).

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Exhibit P-40, Budget Line Item Justification: FY 2018 Navy								Date: May 2017		
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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 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				- / 1,051.709	- / 24.931	- / 23.718	- / 24.613	- / 0.463	- / 25.076
P-40	Total Gross/Weapon System Cost				- / 1,051.709	- / 24.931	- / 23.718	- / 24.613	- / 0.463	- / 25.076
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										
<p>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.</p> <p>OCO: The FY18 OCO requirement replaces 4 Precision Signal Generators and 4 Microwave Measuring Receivers in support of Operation Freedom's Sentinel. The cost to overhaul inoperable CALSTDs often exceeds 70% of replacement cost. CALSTDs are precision equipment and the sole method used to ensure accuracy of all Aviation Test, Monitoring and Diagnostic Equipment (TMDE)/Support Equipment (SE) used in quantitative/diagnostic applications.</p>										

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy															Date: May 2017					
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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		20,854.71	647	13.493	2,750.00	118	0.325	2,970.00	125	0.371	2,976.38	127	0.378	-	-	-	2,976.38	127	0.378
1.2) Low Frequency AC/DC CALSTDs	A		91,447.00	1,217	111.291	10,683.52	455	4.861	10,564.90	416	4.395	10,795.87	436	4.707	-	-	-	10,795.87	436	4.707
1.3) Other CALSTDs Procurement	A		23,840.10	813	19.382	5,920.00	97	0.574	6,110.00	112	0.684	6,105.26	114	0.696	-	-	-	6,105.26	114	0.696
1.4) Physical Dimen / Optical CALSTDs	A		129,562.45	1,145	148.349	34,432.43	259	8.918	33,561.98	242	8.122	33,258.06	248	8.248	-	-	-	33,258.06	248	8.248
1.5) RF / Microwave CALSTDs	A		85,447.53	1,334	113.987	12,557.89	475	5.965	12,543.48	460	5.770	12,953.39	472	6.114	57,875.00	8	0.463	13,702.08	480	6.577
1.6) Res / Impedance CALSTDs	A		60,282.90	661	39.847	4,950.00	177	0.876	5,260.00	167	0.878	5,406.06	165	0.892	-	-	-	5,406.06	165	0.892
1.7) Logistics / Engineering Support	A		-	-	45.557	-	-	2.217	-	-	2.249	-	-	2.276	-	-	-	-	-	2.276
1.8) Production / Aquisition	A		-	-	76.071	-	-	1.195	-	-	1.249	-	-	1.302	-	-	-	-	-	1.302
1.9) Divestiture Support	A		-	-	483.732	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Aircraft Industrial Facilities			-	-	1,051.709	-	-	24.931	-	-	23.718	-	-	24.613	-	-	0.463	-	-	25.076
Total			-	-	1,051.709	-	-	24.931	-	-	23.718	-	-	24.613	-	-	0.463	-	-	25.076

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

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 the Cost element.

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Exhibit P-40, Budget Line Item Justification: FY 2018 Navy										Date: May 2017		
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				Other Related Program Elements: 0205633N				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	865.677	13.758	40.613	39.614	0.000	39.614	42.743	43.459	44.352	45.237	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	865.677	13.758	40.613	39.614	0.000	39.614	42.743	43.459	44.352	45.237	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	865.677	13.758	40.613	39.614	0.000	39.614	42.743	43.459	44.352	45.237	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>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>The WAR CONSUMABLES P-1 line item has two subcategories: Common Aircraft Ancillary 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.</p> <p>COMMON AIRCRAFT ANCILLARY EQUIPMENT (AAE)</p> <p>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:</p> <ul style="list-style-type: none"> - 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, EA-6B, 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. - Common PAGS Interface Assembly provides electrical connectivity and a conduit for nitrogen flow between the PAGS unit and the missile launcher. - 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 by PMA-201 as part of the Mk-82 JDAM program. - Digital Improved Triple Ejector Rack (DITER) increases the capability of the existing BRU-42 for the AV-8B by adding a smart carriage capability for weapons such as the Joint Direct Attack Munition (JDAM). - Joint Miniature Munitions Bomb Rack Unit (JMM BRU) (BRU-61A/A) is required for operation and carriage of the Small Diameter Bomb II (SDB II) weapon. The BRU-61/A is currently in production for the USAF, but has not been qualified to DoN environments. BRU-61A/A will be carried on the threshold aircrafts F-35B and F-35C and the objective aircraft F/A-18 E/F for the Department of the Navy. FY18 is the first year of Navy procurement of BRU-61A/A to support the SDB II warfighter requirements, Initial Operating Capability (IOC), First Article Acceptance Test (FAAT), and schoolhouse requirements. 												

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Exhibit P-40, Budget Line Item Justification: FY 2018 Navy		Date: May 2017
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	Other Related Program Elements: 0205633N
Line Item MDAP/MAIS Code: N/A		
<p>AERIAL REFUELING STORES (ARS)</p> <p>The ARS program finances Aerial Refueling Systems, EFT and related support. 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 overhead tanking (primarily recovery focused), strike and yo-yo tanking. 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 in pursuit of life cycle cost savings, mitigation of flight safety risk and reliability enhancements have identified a large dollar value return on investment for service life extension, reduction in flight safety risk and areas where reliability improvements can be realized.</p> <ul style="list-style-type: none"> - ARS upgrade to the avionics/electrical system - ARS upgrade to the drogue system - Replacement of 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: FY 2018 Navy								Date: May 2017		
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			Other Related Program Elements: 0205633N			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 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				- / 865.677	- / 13.758	- / 40.613	- / 39.614	- / -	- / 39.614
P-40	Total Gross/Weapon System Cost				- / 865.677	- / 13.758	- / 40.613	- / 39.614	- / 0.000	- / 39.614
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										

Justification:

The FY 2018 funding request was reduced by \$0.568M to account for the availability of prior year execution balances.

FY 2018 Provides funding to procure, modify and/or upgrade bomb racks and missile launchers, BRU-55, BRU-61, ARS and associated support. FY 2018 procurements support the following platforms: F/A-18 A-F, EA-18G, AV-8B, P-3C, EA-6B, AH-1W/Z, UH-1N/Y, MH-60R/S, F-35B, and F-35C.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy															Date: May 2017					
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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) Bomb Rack Mod Kits & Install ⁽¹⁾	A		-	-	32.678	-	-	-	-	-	1.710	-	-	2.770	-	-	-	-	-	2.770
1.2) Launcher Upgrade & Installation ⁽²⁾	A		-	-	49.954	-	-	-	-	-	1.825	-	-	2.912	-	-	-	-	-	2.912
1.3) LAU-7	A		37,398.00	2,000	74.796	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) Pure Air Generating System MPACT	A		18,395.53	1,163	21.394	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) High Pressure Pure Air Generator HiPPAG	A		43,672.89	1,608	70.226	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) Common Interface Assembly	A		494.29	2,013	0.995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.7) Rack and Launcher Test Set	A		-	-	2.725	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.8) External Fuel Tanks	A		52,337.50	1,200	62.805	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.9) External Fuel Tanks*	A		41,083.33	24	0.986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.10) External Fuel Tank Support Equipment	A		-	-	3.344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.11) BRU-55 ⁽³⁾	A		110,663.22	484	53.561	103,885.06	43	4.467	103,885.06	261	27.114	105,750.00	120	12.690	-	-	-	105,750.00	120	12.690
1.12) Digital ITER	B		73,264.15	159	11.649	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.13) BRU-61 A/A ⁽⁴⁾	B		-	-	-	-	-	-	-	-	-	185,175.00	40	7.407	-	-	-	185,175.00	40	7.407
1.14) BRU-61 A/A Production Test ⁽⁵⁾	B		-	-	-	-	-	-	-	-	-	-	-	0.850	-	-	-	-	-	0.850
1.15) BRU-61 A/A ILS ⁽⁶⁾	B		-	-	-	-	-	-	-	-	-	-	-	1.439	-	-	-	-	-	1.439
1.16) BRU-61 A/A Production Engineering Support ⁽⁷⁾	A		-	-	-	-	-	-	-	-	-	-	-	0.649	-	-	-	-	-	0.649
1.17) ILS	A		-	-	11.876	-	-	1.094	-	-	1.115	-	-	1.158	-	-	-	-	-	1.158
1.18) Product Improvement	A		-	-	38.250	-	-	0.930	-	-	0.947	-	-	0.981	-	-	-	-	-	0.981
1.19) Product Engineering	A		-	-	44.429	-	-	1.403	-	-	1.431	-	-	1.480	-	-	-	-	-	1.480
1.20) Various ⁽⁸⁾	A		-	-	131.124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Common AAE			-	-	610.792	-	-	7.894	-	-	34.142	-	-	32.336	-	-	-	-	-	32.336

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy															Date: May 2017					
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 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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)
2) Aerial Refueling Stores																				
2.1) External Fuel Tanks	A		41,084.21	190	7.806	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Aerial Refueling Stores ⁽⁹⁾	A		-	-	67.022	-	-	3.621	-	-	4.187	-	-	5.012	-	-	-	-	-	5.012
2.3) Product Support ⁽¹⁰⁾	A		-	-	18.097	-	-	2.243	-	-	2.284	-	-	2.266	-	-	-	-	-	2.266
2.4) Various	A		-	-	161.960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) Aerial Refueling Stores			-	-	254.885	-	-	5.864	-	-	6.471	-	-	7.278	-	-	-	-	-	7.278
Total			-	-	865.677	-	-	13.758	-	-	40.613	-	-	39.614	-	-	-	-	-	39.614

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

Footnotes:

- ⁽¹⁾ Fluctuations in funding from year to year are based on the required modifications and upgrades to support multiple aircraft T/M/S. Additionally, any decrease in funding causes increased requirements in the out years to maintain fleet readiness. The fluctuations in requirements and funding forces the budget line to exceed the OSD standard inflation rate.
- ⁽²⁾ Fluctuations in funding from year to year are based on the required modifications and upgrades to support multiple aircraft T/M/S. Additionally, any decrease in funding causes increased requirements in the out years to maintain fleet readiness. The fluctuations in requirements and funding forces the budget line to exceed the OSD standard inflation rate.
- ⁽³⁾ FY17 BRU-55 quantity is derived from the OPNAVINST 8000.16B Naval Ordnance Maintenance Management Program (NOMMP) that provides the fleet's requirements for bomb rack modifications and upgrades. The FY16 and FY17 unit prices are based on an inflated dollar value from the FY13/14 procurement and also include the price of the government furnished material (GFM); which is not included in the previous contract award. The FY17 procurement will combine FY16, and FY17 funding to achieve an economic ordering quantity. The FY18 procurement will combine FY17 and FY18 funding to achieve an economic ordering quantity.
- ⁽⁴⁾ Higher unit costs expected in Lot 1 with initial production line stand up and lower quantities. Changes from PB17 are due to Milestone B Independent Cost Review September 2015.
- ⁽⁵⁾ Production Test includes procurement of Peculiar Support Equipment (PSE) and Common Aviation Armament Test Set (CAATS) to support IOC of JMM BRU. Changes from PB17 are due to Milestone B Independent Cost Review September 2015.
- ⁽⁶⁾ Changes from PB17 are due to Milestone B Independent Cost Review September 2015.
- ⁽⁷⁾ Changes from PB17 are due to Milestone B Independent Cost Review September 2015.
- ⁽⁸⁾ The amount identified against this cost element reflects total prior year funding associated with equipment no longer procured.
- ⁽⁹⁾ Fluctuations in funding from year to year are based on the required modifications and upgrades to support multiple aircraft T/M/S. Additionally, any decrease in funding causes increased requirements in the out years to maintain fleet readiness. The fluctuations in requirements and funding forces the budget line to exceed the OSD standard inflation rate.
- ⁽¹⁰⁾ FY18 Product Support funding is provided for production engineering support and integrated logistics support for the Aerial Refueling Stores program.

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Exhibit P-40, Budget Line Item Justification: FY 2018 Navy **Date:** May 2017

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

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	201.766	2.455	0.860	1.463	0.000	1.463	1.475	0.087	22.070	22.511	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	201.766	2.455	0.860	1.463	0.000	1.463	1.475	0.087	22.070	22.511	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	201.766	2.455	0.860	1.463	0.000	1.463	1.475	0.087	22.070	22.511	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. Increment I procurement primarily acquires airborne instrumentation Participant Subsystems (PS) for F/A-18 and other tactical aircraft via Airborne Subsystems (AS). Beginning in FY 2021, Increment II will procure new PS to provide encryption capability for Fleet training exercises. Increment II will also deliver encrypted Rack-mounted Subsystem (RS) for Rotary and Transport Aircraft.

Justification:

Basis for FY 2018 Budget Request: Funds are requested in FY 2018 to procure TCTS Increment I Block Upgrades to support improved TCTS Increment I Pod performance for the Fleet.

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Exhibit P-40, Budget Line Item Justification: FY 2018 Navy										Date: May 2017		
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: 0735 / Special Support Equipment					
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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,398.469	50.859	36.282	48.500	0.000	48.500	52.136	48.691	59.042	34.448	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,398.469	50.859	36.282	48.500	0.000	48.500	52.136	48.691	59.042	34.448	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,398.469	50.859	36.282	48.500	0.000	48.500	52.136	48.691	59.042	34.448	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: Details of this P-1 item are classified.												
Justification: Justification of this request is provided separately. This line item is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.												

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Exhibit P-40, Budget Line Item Justification: FY 2018 Navy										Date: May 2017		
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: 0740 / First Destination Transportation					
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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	82.971	1.801	1.523	1.976	0.000	1.976	1.970	1.920	1.960	1.999	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	82.971	1.801	1.523	1.976	0.000	1.976	1.970	1.920	1.960	1.999	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	82.971	1.801	1.523	1.976	0.000	1.976	1.970	1.920	1.960	1.999	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: This line finances the movement of newly procured equipment and material from the contractor's plant to the initial point of receipt by the Government.												
Justification: Funds are requested for the FY 2018 First Destination Transportation requirements.												

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Exhibit P-40, Budget Line Item Justification: FY 2018 Navy										Date: May 2017		
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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.018
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.018
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.018
<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: This line finances Judgment Fund reimbursements.												

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Exhibit P-40, Budget Line Item Justification: FY 2018 Navy										Date: May 2017		
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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.404	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.404
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.404	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.404
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.404	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.404
<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: This line finances cancelled account adjustments.												

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