Department of Defense Fiscal Year (FY) 2015 Amended Budget Estimates

June 2014



Air Force

Justification Book Volume 1 of 1

Missile Procurement, Air Force

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Air Force • Amended Budget Estimates FY 2015 • Procurement

Volume 1 Table of Contents

Comptroller Exhibit P-1	Volume 1 -	ii
Line Item Table of Contents (by Appropriation then Line Number)	Volume 1 -	X
Line Item Table of Contents (Alphabetically by Line Item Title)	Volume 1 - x	ii
Exhibit P-40s	Volume 1 -	1



Department of the Air Force FY 2015 President's Budget Exhibit P-1 FY 2015 President's Budget Total Obligational Authority (Dollars in Thousands)

Jun 2014

Budget Activity	FY 2013 (Base & OCO)	FY 2014 Base Enacted	FY 2014 OCO Enacted	FY 2014 Total Enacted
01. Ballistic Missiles	25,094	38,940		38,940
02. Other Missiles	588,170	772,260	24,200	796,460
03. Modification of Inservice Missiles	96,778	33,329		33,329
04. Spares and Repair Parts	74,275	72,080		72,080
05. Other Support	4,059,415	3,407,928		3,407,928
Total Missile Procurement, Air Force	4,843,732	4,324,537	24,200	4,348,737

Department of the Air Force FY 2015 President's Budget Exhibit P-1 FY 2015 President's Budget Total Obligational Authority (Dollars in Thousands)

Jun 2014

Budget Activity	FY 2015 <u>Base</u>	FY 2015 <u>OCO</u>	FY 2015 <u>Total</u>
01. Ballistic Missiles	80,187		80,187
02. Other Missiles	905,238	114,939	1,020,177
03. Modification of Inservice Missiles	52,057		52,057
04. Spares and Repair Parts	87,366		87,366
05. Other Support	3,565,658		3,565,658
Total Missile Procurement, Air Force	4,690,506	114,939	4,805,445

Department of the Air Force FY 2015 President's Budget Exhibit P-1 FY 2015 President's Budget Total Obligational Authority (Dollars in Thousands)

Total Obligational Authority

Jun 2014

Line No Item Nomenclature	Ident <u>Code</u>		Y 2013 se & OCO) ty <u>Cost</u>		Y 2014 e Enacted ty <u>Cost</u>		2014 Enacted <u>Y</u> Cost		Y 2014 l Enacted ty <u>Cost</u>	s e c
Budget Activity 01: Ballistic Missiles										
Missile Replacement Equipment - Ballistic										
1 Missile Replacement Eq-Ballistic	А		25,094		38,940				38,940	U
Total Ballistic Missiles			25,094		38,940				38,940	•
Budget Activity 02: Other Missiles										
Tactical										
2 JASSM	А	233	230,192	187	271,151			187	271 , 151	U
3 Joint Air-Surface Standoff Missile										U
4 Sidewinder (AIM-9X)	А	164	72,242	225	100,590			225	100,590	U
5 AMRAAM	А	113	201,370	183	323,015			183	323,015	U
6 Predator Hellfire Missile	А	708	81,649	413	40,728	211	24,200	624	64,928	U
7 Small Diameter Bomb	А		1,974	144	36,024			144	36,024	U
Industrial Facilities										
8 Industr'l Preparedns/Pol Prevention	А		743		752				752	
Total Other Missiles			588,170		772,260		24,200		796,460	
Budget Activity 03: Modification of Inservice Miss	iles									
Class IV										
9 MM III Modifications	А		54,721		21,585				21,585	U
10 AGM-65D Maverick	А		269		276				276	U
11 AGM-88A Harm	А		23,210		580				580	U
12 Air Launch Cruise Missile (ALCM)	А		13,602		6,888				6,888	U

Department of the Air Force FY 2015 President's Budget Exhibit P-1 FY 2015 President's Budget Total Obligational Authority (Dollars in Thousands)

Jun 2014

Line	Ident	F	7 2015 Base	F	Y 2015 OCO		Y 2015 Total	s e
No Item Nomenclature	Code	Quantit		Quanti		Quanti		
Budget Activity 01: Ballistic Missiles								
Missile Replacement Equipment - Ballistic								
1 Missile Replacement Eq-Ballistic	А		80,187				80,187	U
Total Ballistic Missiles			80,187				80,187	•
Budget Activity 02: Other Missiles								
Tactical								
2 JASSM	A							U
3 Joint Air-Surface Standoff Missile		224	337,438			224	337,438	U
4 Sidewinder (AIM-9X)	A	303	132,995			303	132,995	U
5 AMRAAM	A	200	329,600			200	329,600	U
6 Predator Hellfire Missile	A	283	33,878	983	114,939	1266	148,817	U
7 Small Diameter Bomb	A	246	70,578			246	70 , 578	U
Industrial Facilities								
8 Industr'l Preparedns/Pol Prevention	A		749				749	
Total Other Missiles			905,238		114,939		1,020,177	
Budget Activity 03: Modification of Inservice Miss:	iles							
Class IV								
9 MM III Modifications	A		28,477				28,477	U
10 AGM-65D Maverick	А		276				276	U
11 AGM-88A Harm	A		297				297	U
12 Air Launch Cruise Missile (ALCM)	А		16,083				16,083	U

Department of the Air Force FY 2015 President's Budget Exhibit P-1 FY 2015 President's Budget Total Obligational Authority (Dollars in Thousands)

Jun 2014

Line No Item Nomenclature	Ident <u>Code</u>		7 2013 se & OCO) cy <u>Cost</u>	FY 2014 Base Enacted Quantity Cost	FY 2014 OCO Enacted Quantity Cost		2014 Enacted Cost	s e c
13 Small Diameter Bomb	А		4,976	4,000			4,000	U
Total Modification of Inservice Missiles			96,778	33,329			33,329	
Budget Activity 04: Spares and Repair Parts								
Missile Spares and Repair Parts								
14 Initial Spares/Repair Parts	А		74,275	72,080			72,080	U
Total Spares and Repair Parts			74,275	72,080			72,080	
Budget Activity 05: Other Support								
Space Programs								
15 Advanced EHF	А		476,575	328,350			328,350	U
16 Wideband Gapfiller Satellites(Space)	А		36,786	33,998			33,998	U
17 GPS III Space Segment Less: Advance Procurement (PY)	A	2	(491,219) (-81,466)	2 (480,578) (-82,507)		2	(480,578) (-82,507)	U
			409,753	398,071			398,071	
18 GPS III Space Segment Advance Procurement (CY)			82,507	52,167			52 , 167	U
19 Spaceborne Equip (Comsec)	А		10,480	5,244			5,244	U
20 Global Positioning (Space)	А		48,084	55,895			55 , 895	U
21 Def Meteorological Sat Prog(Space)	А		88,596	80,542			80,542	U
22 Evolved Expendable Launch Veh (Infrast.)	А		631,551	559,413			559,413	U
23 Evolved Expendable Launch Veh(Space)	А	4	802,399	5 807,991		5	807 , 991	U
24 SBIR High (Space) Less: Advance Procurement (PY)	А	2	(879,086) (-486,815)	(524,587)			(524,587)	U U
			392,271	524,587			524,587	

Department of the Air Force FY 2015 President's Budget Exhibit P-1 FY 2015 President's Budget Total Obligational Authority (Dollars in Thousands)

Jun 2014

Line No Item Nomenclature	Ident Code		2015 Base Cost	FY 20 OCO Quantity			2015 otal y Cost	s e c
13 Small Diameter Bomb	<u>code</u> A	guarrerey	6,924	<u>quarrer cy</u>	<u> </u>	gaanere	6,924	
Total Modification of Inservice Missiles	11	-	52,057				52,057	Ü
Budget Activity 04: Spares and Repair Parts								
Missile Spares and Repair Parts								
14 Initial Spares/Repair Parts	А		87,366				87,366	U
Total Spares and Repair Parts		-	87,366			•	87,366	
Budget Activity 05: Other Support								
Space Programs								
15 Advanced EHF	А		298,890				298,890	U
16 Wideband Gapfiller Satellites(Space)	А		38,971				38,971	U
17 GPS III Space Segment Less: Advance Procurement (PY)	А		(287,564) (-52,167)			1	(287,564) (-52,167)	U
		_	235,397			•	235,397	
18 GPS III Space Segment Advance Procurement (CY)			57,000				57,000	U
19 Spaceborne Equip (Comsec)	А		16,201				16,201	U
20 Global Positioning (Space)	А		52,090				52,090	U
21 Def Meteorological Sat Prog(Space)	А		87,000				87,000	U
22 Evolved Expendable Launch Veh (Infrast.)	А		750,143				750,143	U
23 Evolved Expendable Launch Veh(Space)	A	3	630,903			3	630,903	U
24 SBIR High (Space) Less: Advance Procurement (PY)	A		(450,884)				(450,884)	U U
		-	450,884				450,884	

Department of the Air Force FY 2015 President's Budget Exhibit P-1 FY 2015 President's Budget Total Obligational Authority (Dollars in Thousands)

Jun 2014

Line No Item Nomenclature	Ident <u>Code</u>	FY 2013 (Base & OCO) <u>Quantity</u> <u>Cost</u>	FY 2014 Base Enacted <u>Quantity</u> <u>Cost</u>	FY 2014 OCO Enacted <u>Quantity Cost</u>	FY 2014 Total Enacted Quantity Cost	s e <u>c</u>
Special Programs						
28 Special Update Programs	А	138,721	24,371		24,371	U
999 Classified Programs		941,692	537,299		537,299	U
Total Other Support		4,059,415	3,407,928		3,407,928	
Total Missile Procurement, Air Force		4,843,732	4,324,537	24,200	4,348,737	

Department of the Air Force FY 2015 President's Budget Exhibit P-1 FY 2015 President's Budget Total Obligational Authority (Dollars in Thousands)

Jun 2014

		FY 2015	FY 2015	FY 2015	s
Line	Ident	Base	oco	Total	е
No Item Nomenclature	<u>Code</u>	Quantity Cost	Quantity Cost	Quantity Cost	С
Special Programs					
28 Special Update Programs	А	60,179		60,179	U
999 Classified Programs		888,000		888,000	U
Total Other Support		3,565,658		3,565,658	_
Total Missile Procurement, Air Force		4,690,506	114,939	4,805,445	

Air Force • Amended Budget Estimates FY 2015 • Procurement

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

Line #	ВА	BSA	Line Item Number	Line Item Title	Page
6	02	02	PRDTA2	Predator Hellfire MissileV	Volume 1 - 1



Air Force • Amended Budget Estimates FY 2015 • Procurement

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

Line Item Title	Line Item Number	Line #	ВА	BSA Page
Predator Hellfire Missile	PRDTA2	6	02	02Volume 1 - 1



Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force Date: June 2014

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical

PRDTA2 / Predator Hellfire Missile

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elei	ments for Cod	de B Items:			Other Related Program Elements: 0305219F						
	Prior			FY 2015	FY 2015	FY 2015					То	
Resource Summary	Years	FY 2013	FY 2014	Base	oco	Total	FY 2016	FY 2017	FY 2018	FY 2019	Complete	Total
Procurement Quantity (Units in Each)	-	708	624	283	983	1,266	1,853	2,257	612	588	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	81.649	64.928	33.878	114.939	148.817	221.742	274.686	76.681	75.059	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	81.649	64.928	33.878	114.939	148.817	221.742	274.686	76.681	75.059	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	81.649	64.928	33.878	114.939	148.817	221.742	274.686	76.681	75.059	Continuing	Continuing
(The following	Resource Sum	mary rows are fo	or informational p	urposes only. Th	ne corresponding	budget requests	are documente	ed elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	0.115	0.104	0.120	0.117	0.118	0.120	0.122	0.125	0.128	Continuing	Continuing

Description:

FY2013 funding totals include \$34.350M appropriated for Overseas Contingency Operations. FY2014 funding totals include \$24.200M appropriated for Overseas Contingency Operations.

Hellfire is an air-to-ground missile system that provides precision-kill capability and has become a key weapon in Overseas Contingency Operations. Laser Hellfire uses semi-active laser terminal guidance. The latest variant provides for point target precision strike and is effective against countermeasures. The Hellfire missiles are used by the MQ-1 Predator and MQ-9 Reaper aircraft. The Army is the lead service for the Hellfire Missile program with Air Force missiles being procured through the Army's Redstone Arsenal. Unit cost may vary depending on lead Service, other Services and/or FMS procurement quantities. Prior to FY2008, Hellfire missiles were procured under the Predator PE 0305219F.

Funding for this exhibit contained in PE 0201109F.

Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost
Item - Predator Hellfire Missile	P-5		-	-	-	0.115	708	81.649	0.104	624	64.928	0.120	283	33.878	0.117	983	114.939	0.118	1,266	148.817
Total Gross/Weapon System Cost			-	-	-	0.115	708	81.649	0.104	624	64.928	0.120	283	33.878	0.117	983	114.939	0.118	1,266	148.817

*For Items, Title represents the Item Number / Title [DODIC].

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

Justification:

ONOLAGOII ILD												
Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force	Date: June 2014											
Appropriation / Budget Activity / Budget Sub Activity: 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical	P-1 Line Item Number / Title: PRDTA2 / Predator Hellfire Missile											
ID Code (A=Service Ready, B=Not Service Ready) : A Program Elements for Code B	Items: Other Related Program Elements: 0305219F											
for R-model variants which incorporates a multi-purpose warhead, variable delay fuze and increased let	missiles, existing warhead improvements and production implementation for the Height of Burst capability hality. Multiple variants (K, M, N, P, R, R-2, R9B, R9E etc.) of the Hellfire missile may be procured based antities are based on current estimated price for purchase through the Army. The Hellfire missiles are used											
FY15 OVERSEAS CONTINGENCY OPERATION (OCO) funds will procure an additional 983 AGM-114 OCO funding is required to replenish Hellfire missiles expended in Operation Enduring Freedom during maintain readiness to execute DoD approved combat plans and test/training requirements. The Hellfire such as improvised explosive device implacers, vehicles and personnel both in the open and in structure requirements and ensure that Warfighter requirements are met. Quantities are based on current estimated and the structure of the structure o	FY12 and a portion of the FY13 expenditures. This funding will increase inventory levels required to missile has been used extensively to provide close air support and engage time-sensitive targets es. Continued procurement of Hellfire weapons will enable the U.S. Air Force to meet their contingency											

LI PRDTA2 - Predator Hellfire Missile Air Force

Exhibit P-5, Cost	thibit P-5, Cost Analysis: PB Amended 2015 Air Force														Date: June 2014					
Appropriation / Budget Activity / Budget Sub Activity 3020F / 02 / 2						I		Numbe edator He			Item Number / Title [DODIC]: - / Predator Hellfire Missile									
ID Code (A=Service Read	ly, B=Not Serv	ice Ready) :							М	DAP/MAIS	Code:									
Resource Summary					F	Prior Years FY 20				FY 2014			FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Procurement Quantity (Units in Each)							-		708	624		4					983 1,2			
Gross/Weapon System Cost (\$ in Millions)							-		81.649		64.92		33	3.878		114.939		148.81		
Less PY Advance Procure							-				-			-		-		-		
Net Procurement (P1) (\$ in	· · · · · · · · · · · · · · · · · · ·						-		81.649		64.92	В	33	3.878		114.939	939 148.81			
Plus CY Advance Procure	ment (\$ in Mi	llions)					-		_		_			-		-				
Total Obligation Authorit	y (\$ in Million	s)					-		81.649		64.92	В	33.878			114.939	.939 148.81			
(TI	he following	Resource St	ummary rov	vs are for info	rmational pu	irposes only	. The corres	ponding bud	get request	s are docum	ented elsewh	ere.)				·		-		
Initial Spares (\$ in Millions)						<u>-</u>	-		-		-			-		-		-		
Gross/Weapon System Unit Cost (\$ in Millions)						-	0.115		0.104		4	0.120		20 0.117		7 0.118				
														·		,				
	ı	Prior Years	S		FY 2013			FY 2014			2015 Base	9	FY	/ 2015 OC	0	FY 2015 Total				
Cost Elements	Unit Cost	Qty (Each)	Total Cost	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)		
Flyaway - Flyaway Cost Elem	· · · /	, ,	(0)	(\$)	(2001)	(\$)	(\$,	(2001)	(\$)	(0)	(2001)	(0)	(0)	(200.1)	(0)	(\$)	(2001)	(\$)		
Recurring Cost													1							
AGM-114 - All-up- Rounds	-	-	-	0.101	708	71.668	0.091	624	56.786	0.103	283	29.151	0.104	983	102.296	0.104	1,266	131.44		
Subtotal: Recurring Cost	-	-	-	-	-	71.668	-	-	56.786	-	-	29.151	-	-	102.296	-	-	131.44		
Subtotal: Flyaway - Flyaway Cost Element Category Cost	-	-	-	-	-	71.668	-	-	56.786	-	-	29.151	-	-	102.296	-	-	131.44		
Hardware - Hardware Cost El	ement Catego	ry Cost																		
Recurring Cost																				
Test Equipment	-	-	-	-	-	1.000	-	-	1.000	-	-	1.000	-	-	-	-	-	1.000		
Subtotal: Recurring Cost	-	-	-	-	-	1.000	-	-	1.000	-	-	1.000	-	-	-	-	-	1.00		
Subtotal: Hardware - Hardware Cost Element Category Cost	_	_	_	_	-	1.000	_	_	1.000	-	_	1.000	_	_	_	_	-	1.000		
Support - Support Cost Eleme	ent Category C	ost	l				Į.								1					
Program Management Administration	-	-	-	-	-	4.899	-	-	3.896	-	-	2.033	-	-	6.896	-	-	8.929		
Production Engineering Support	-	-	-	-	-	4.082	-	-	3.246	-	-	1.694	-	-	5.747	-	-	7.44		
Subtotal: Support - Support	-	-	-	-	-	8.981	-	-	7.142	-	-	3.727	-	-	12.643	-	-	16.37		
Cost Element Category Cost																				

LI PRDTA2 - Predator Hellfire Missile Air Force

Volume 1 - 3

