Department of Defense
Fiscal Year (FY) 2014 President's Budget Submission

April 2013

Army

Justification Book

Aircraft Procurement, Army

AIRCRAFT PROCUREMENT, ARMY

Appropriation Language

For construction, procurement, production, and modification of aircraft and equipment, including armor and armament, specialized ground handling equipment, and training devices, spare parts, and accessories therefore; specialized equipment; expansion of public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and acquisition of land, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes including rents and transportation of things, $5,024,387,000 to remain available for obligation until September 30, 2016.

Department of the Army
FY 2014 President's Budget
Exhibit P-1 FY 2014 President's Budget
Total Obligational Authority
(Dollars in Thousands)

20 Mar 2013

Appropriation	FY 2012 (Base & OCO)	FY 2013 Base Request with CR Adj*	FY 2013 OCO Request with CR Adj*	Emergency Disaster Relief Act of 2013	FY 2013 Total Request with CR Adj*
Aircraft Procurement, Army	6,476,415	5,371,508	486,200		5,857,708
Total Department of the Army	6,476,415	5,371,508	486,200		5,857,708

P-1C: FY 2014 President's Budget (Published Version), as of March 20, 2013 at 15:32:23
* Reflects the FY 2013 President's Budget with an undistributed adjustment to match the Annualized Continuing Resolution funding level by appropriation.

Department of the Army
FY 2014 President's Budget
Exhibit P-1 FY 2014 President's Budget
Total Obligational Authority
(Dollars in Thousands)

20 Mar 2013

Appropriation	FY 2014 Base
Aircraft Procurement, Army	5,024,387
Total Department of the Army	5,024,387

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Department of the Army
FY 2014 President's Budget
Exhibit P-1 FY 2014 President's Budget
Total Obligational Authority
(Dollars in Thousands)

20 Mar 2013

Appropriation: Aircraft Procurement, Army

Budget Activity	FY 2012 (Base & OCO)	FY 2013 Base Request with CR Adj*	FY 2013 OCO Request with CR Adj*	Emergency Disaster Relief Act of 2013	FY 2013 Total Request with CR Adj*
01. Aircraft	4,750,042	4,201,026	486,200		4,687,226
02. Modification of Aircraft	1,284,711	1,276,743			1,276,743
04. Support Equipment and Facilities	441,662	375,960			375,960
20. Undistributed		-482,221			-482,221
Total Aircraft Procurement, Army	6,476,415	5,371,508	486,200		5,857,708

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

20 Mar 2013

Appropriation: Aircraft Procurement, Army

Budget Activity	FY 2014 Base
01. Aircraft	3,609,642
02. Modification of Aircraft	1,032,335
04. Support Equipment and Facilities	382,410
20. Undistributed	
Total Aircraft Procurement, Army	5,024,387

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Department of the Army
FY 2014 President's Budget
Exhibit P-1 FY 2014 President's Budget
Total Obligational Authority
(Dollars in Thousands)

20 Mar 2013

Appropriation: 2031A Aircraft Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2012 (Base & OCO) Quantity	FY 2012 (Base & OCO) Cost	FY 2013 Base Request with CR Adj* Quantity	FY 2013 Base Request with CR Adj* Cost	FY 2013 OCO Request with CR Adj* Quantity	FY 2013 OCO Request with CR Adj* Cost	Emergency Disaster Relief Act of 2013 Quantity	Emergency Disaster Relief Act of 2013 Cost	FY 2013 Total Request with CR Adj* Quantity	FY 2013 Total Request with CR Adj* Cost	Sec
	Budget Activity 01: Aircraft												
	Fixed Wing												
1	Utility F/W Aircraft		2	14,572	2	18,639					2	18,639	U
2	Aerial Common Sensor (ACS) (MIP)	A											U
3	MQ-1 UAV	A		550,798	19	518,088					19	518,088	U
4	RQ-11 (RAVEN)	A	1131	86,062	234	25,798					234	25,798	U
	Rotary												
5	Helicopter, Light Utility (LUH)	A	39	250,415	34	271,983					34	271,983	U
6	AH-64 Apache Block IIIA Reman	A	27	(560,741)	40	(769,879)					40	(769,879)	U
	Less: Advance Procurement (PY)			(-160,237)		(-192,764)						(-192,764)	U
				400,504		577,115						577,115	
7	AH-64 Apache Block IIIA Reman Advance Procurement (CY)			192,764		107,707						107,707	U
8	AH-64 Apache Block IIIB New Build	A			8	(258,256)	2	(71,000)			10	(329,256)	U
	Less: Advance Procurement (PY)					(-104,263)						(-104,263)	U
						153,993		71,000				224,993	
9	AH-64 Apache Block IIIB New Build Advance Procurement (CY)			84,264		146,121						146,121	U
10	Kiowa Warrior WRA	A	1	112,800			16	183,900			16	183,900	U

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Department of the Army
FY 2014 President's Budget
Exhibit P-1 FY 2014 President's Budget
Total Obligational Authority
(Dollars in Thousands)

20 Mar 2013

Appropriation: 2031A Aircraft Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2014 Base Quantity	FY 2014 Base Cost	Sec
Budget Activity 01: Aircraft					
Fixed Wing					
1	Utility F/W Aircraft		1	19,730	U
2	Aerial Common Sensor (ACS) (MIP)	A	4	142,050	U
3	MQ-1 UAV	A	15	518,460	U
4	RQ-11 (RAVEN)	A		10,772	U
Rotary					
5	Helicopter, Light Utility (LUH)	A	10	96,227	U
6	AH-64 Apache Block IIIA Reman	A	42	(716,176)	U
	Less: Advance Procurement (PY)			(-107,707)	U
				608,469	
7	AH-64 Apache Block IIIA Reman Advance Procurement (CY)			150,931	U
8	AH-64 Apache Block IIIB New Build	A		(146,121)	U
	Less: Advance Procurement (PY)			(-146,121)	U
9	AH-64 Apache Block IIIB New Build Advance Procurement (CY)				U
10	Kiowa Warrior WRA	A			U

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(Dollars in Thousands)

20 Mar 2013

Appropriation: 2031A Aircraft Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2012 (Base & OCO) Quantity	FY 2012 (Base & OCO) Cost	FY 2013 Base Request with CR Adj* Quantity	FY 2013 Base Request with CR Adj* Cost	FY 2013 OCO Request with CR Adj* Quantity	FY 2013 OCO Request with CR Adj* Cost	Emergency Disaster Relief Act of 2013 Quantity	Emergency Disaster Relief Act of 2013 Cost	FY 2013 Total Request with CR Adj* Quantity	FY 2013 Total Request with CR Adj* Cost	Sec
11	UH-60 Blackhawk M Model (MYP)		89	(1,597,728)	59	(1,304,979)					59	(1,304,979)	U
	Less: Advance Procurement (PY)			(-99,962)		(-197,892)						(-197,892)	U
				1,497,766		1,107,087						1,107,087	
12	UH-60 Blackhawk M Model (MYP) Advance Procurement (CY)			199,781		115,113						115,113	U
13	CH-47 Helicopter	A	45	(1,305,718)	38	(1,196,992)	6	(231,300)			44	(1,428,292)	U
	Less: Advance Procurement (PY)			(-66,358)		(-120,956)						(-120,956)	U
				1,239,360		1,076,036		231,300				1,307,336	
14	CH-47 Helicopter Advance Procurement (CY)			120,956		83,346						83,346	U
Total Aircraft				4,750,042		4,201,026		486,200				4,687,226	
Budget Activity 02: Modification of Aircraft													
Modification of Aircraft													
15	MQ-1 Payload - UAS	A		146,983		231,508						231,508	U
16	Guardrail Mods (MIP)			27,575		16,272						16,272	U
17	Multi Sensor AEN Recon (MIP)			61,162		4,294						4,294	U
18	AH-64 Mods	A		329,929		178,805						178,805	U
19	CH-47 Cargo Helicopter Mods (MYP)			69,012		39,135						39,135	U
20	Utility/Cargo Airplane Mods			12,107		24,842						24,842	U
21	Utility Helicopter Mods		97	74,745		73,804						73,804	U
22	Kiowa Mods Warrior			92,552		192,484						192,484	U

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Department of the Army
FY 2014 President's Budget
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(Dollars in Thousands)

20 Mar 2013

Appropriation: 2031A Aircraft Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2014 Base Quantity	FY 2014 Base Cost	Sec
11	UH-60 Blackhawk M Model (MYP)		65	(1,155,187)	U
	Less: Advance Procurement (PY)			(-108,211)	U
				1,046,976	
12	UH-60 Blackhawk M Model (MYP) Advance Procurement (CY)			116,001	U
13	CH-47 Helicopter	A	28	(884,996)	U
	Less: Advance Procurement (PY)			(-83,346)	U
				801,650	
14	CH-47 Helicopter Advance Procurement (CY)			98,376	U
Total Aircraft				3,609,642	
Budget Activity 02: Modification of Aircraft					
	Modification of Aircraft				
15	MQ-1 Payload - UAS	A		97,781	U
16	Guardrail Mods (MIP)			10,262	U
17	Multi Sensor ABN Recon (MIP)			12,467	U
18	AH-64 Mods	A		53,559	U
19	CH-47 Cargo Helicopter Mods (MYP)			149,764	U
20	Utility/Cargo Airplane Mods			17,500	U
21	Utility Helicopter Mods		167	74,095	U
22	Kiowa Mods Warrior		3	184,044	U

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Department of the Army
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20 Mar 2013

Appropriation: 2031A Aircraft Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2012 (Base & OCO) Quantity	FY 2012 (Base & OCO) Cost	FY 2013 Base Request with CR Adj* Quantity	FY 2013 Base Request with CR Adj* Cost	FY 2013 OCO Request with CR Adj* Quantity	FY 2013 OCO Request with CR Adj* Cost	Emergency Disaster Relief Act of 2013 Quantity	Emergency Disaster Relief Act of 2013 Cost	FY 2013 Total Request with CR Adj* Quantity	FY 2013 Total Request with CR Adj* Cost	Sec
23	Network and Mission Plan	A		118,432		190,789						190,789	U
24	Comms, Nav Surveillance	A		117,855		133,191						133,191	U
25	GATM Rollup	A		69,220		87,280						87,280	U
26	RQ-7 UAV MODS	A	4	165,139		104,339						104,339	U
Total Modification of Aircraft				1,284,711		1,276,743						1,276,743	
Budget Activity 04: Support Equipment and Facilities													
	Ground Support Avionics												
27	Aircraft Survivability Equipment			35,993		34,037						34,037	U
28	Survivability CM												U
29	CMWS	A		104,251		127,751						127,751	U
	Other Support												
30	Avionics Support Equipment		568	4,840		4,886						4,886	U
31	Common Ground Equipment			114,517		82,511						82,511	U
32	Aircrew Integrated Systems			62,746		77,381						77,381	U
33	Air Traffic Control			114,844		47,235						47,235	U
34	Industrial Facilities			1,593		1,643						1,643	U
35	Launcher, 2.75 Rocket		449	2,878		516						516	U
Total Support Equipment and Facilities				441,662		375,960						375,960	

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20 Mar 2013

Appropriation: 2031A Aircraft Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2014 Base Quantity	FY 2014 Base Cost	Sec
23	Network and Mission Plan	A		152,569	U
24	Comms, Nav Surveillance	A		92,779	U
25	GATM Rollup	A		65,613	U
26	RQ-7 UAV MODS	A		121,902	U
Total Modification of Aircraft				1,032,335	
Budget Activity 04: Support Equipment and Facilities					
	Ground Support Avionics				
27	Aircraft Survivability Equipment			47,610	U
28	Survivability CM			5,700	U
29	CMWS	A		126,869	U
	Other Support				
30	Avionics Support Equipment		705	6,809	U
31	Common Ground Equipment			65,397	U
32	Aircrew Integrated Systems			45,841	U
33	Air Traffic Control			79,692	U
34	Industrial Facilities			1,615	U
35	Launcher, 2.75 Rocket			2,877	U
Total Support Equipment and Facilities				382,410	

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Department of the Army
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20 Mar 2013

Appropriation: 2031A Aircraft Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2012 (Base & OCO) Quantity	FY 2012 (Base & OCO) Cost	FY 2013 Base Request with CR Adj* Quantity	FY 2013 Base Request with CR Adj* Cost	FY 2013 OCO Request with CR Adj* Quantity	FY 2013 OCO Request with CR Adj* Cost	Emergency Disaster Relief Act of 2013 Quantity	Emergency Disaster Relief Act of 2013 Cost	FY 2013 Total Request with CR Adj* Quantity	FY 2013 Total Request with CR Adj* Cost	Sec
Budget Activity 20: Undistributed													
Undistributed													
36	Adj to Match Continuing Resolution	A				-482,221						-482,221	U
Total Undistributed						-482,221						-482,221	
Total Aircraft Procurement, Army				6,476,415		5,371,508		486,200				5,857,708	

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(Dollars in Thousands)

20 Mar 2013

Appropriation: 2031A Aircraft Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2014 Base Quantity	FY 2014 Base Cost	Sec
	Budget Activity 20: Undistributed				
	Undistributed				
36	Adj to Match Continuing Resolution	A			U
	Total Undistributed				
	Total Aircraft Procurement, Army			5,024,387	

P-1C: FY 2014 President's Budget (Published Version), as of March 20, 2013 at 15:32:23

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

Appropriation 2031A: Aircraft Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
1	01	10	A11300	Fixed Wing Aircraft	1
2	01	10	A02005	Aerial Common Sensor (ACS) (MIP)	8
3	01	10	A00005	MQ-1 UAV	18
4	01	10	A00010	RQ-11 (RAVEN)	30
5	01	20	A05001	Helicopter, Light Utility (LUH)	38
6	01	20	A05111	AH-64 Apache Block IIIA Reman	46
7	01	20	A05111	AH-64 Apache Block IIIA Reman	54
8	01	20	A05133	AH-64 Apache Block IIIB New Build	58
9	01	20	A05133	AH-64 Apache Block IIIB New Build	64
10	01	20	A02345	Kiowa Warrior WRA	68
11	01	20	AA0005	UH-60 Blackhawk M Model (MYP)	76
12	01	20	AA0005	UH-60 Blackhawk M Model (MYP)	85
13	01	20	A05101	CH-47 Helicopter	89
14	01	20	A05101	CH-47 Helicopter	102

Appropriation 2031A: Aircraft Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
15	02	10	A00020	MQ-1 Payload - UAS	106
16	02	10	AZ2000	Guardrail Mods (MIP)	117
17	02	10	AZ2001	Multi Sensor ABN Recon (MIP)	125
18	02	10	AA6605	AH-64 MODS	140
19	02	10	AA0252	CH-47 Cargo Helicopter Mods (MYP)	170
20	02	10	AA0270	Fixed Wing Mods	201
21	02	10	AA0480	Utility Helicopter Mods	206
22	02	10	AZ2200	Kiowa Mods Warrior	217
23	02	10	AA0712	Network And Mission Plan	229
24	02	10	AA0723	Comms, Nav Surveillance	243
25	02	10	AA0711	GATM Rollup	256
26	02	10	A00018	RQ-7 UAV MODS	277

Appropriation 2031A: Aircraft Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
27	04	10	AZ3504	Aircraft Survivability Equipment	287
28	04	10	AZ3507	Survivability CM	295
29	04	10	AZ3517	CMWS	299
30	04	30	AZ3000	Avionics Support Equipment	308
31	04	30	AZ3100	Common Ground Equipment	315
32	04	30	AZ3110	Aircrew Integrated Systems	320
33	04	30	AA0050	Air Traffic Control	331
34	04	30	AZ3300	Industrial Facilities	337
35	04	30	A50100	Launcher, 2.75 Rocket	339

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

Line Item Title	Line Item Number	Line #	BA	BSA	Page
AH-64 Apache Block IIIA Reman	A05111	6	01	20	46
AH-64 Apache Block IIIA Reman	A05111	7	01	20	54
AH-64 Apache Block IIIB New Build	A05133	8	01	20	58
AH-64 Apache Block IIIB New Build	A05133	9	01	20	64
AH-64 MODS	AA6605	18	02	10	140
Aerial Common Sensor (ACS) (MIP)	A02005	2	01	10	8
Air Traffic Control	AA0050	33	04	30	331
Aircraft Survivability Equipment	AZ3504	27	04	10	287
Aircrew Integrated Systems	AZ3110	32	04	30	320
Avionics Support Equipment	AZ3000	30	04	30	308
CH-47 Cargo Helicopter Mods (MYP)	AA0252	19	02	10	170
CH-47 Helicopter	A05101	13	01	20	89
CH-47 Helicopter	A05101	14	01	20	102
CMWS	AZ3517	29	04	10	299
Common Ground Equipment	AZ3100	31	04	30	315
Comms, Nav Surveillance	AA0723	24	02	10	243
Fixed Wing Aircraft	A11300	1	01	10	1

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Fixed Wing Mods	AA0270	20	02	10	201
GATM Rollup	AA0711	25	02	10	256
Guardrail Mods (MIP)	AZ2000	16	02	10	117
Helicopter, Light Utility (LUH)	A05001	5	01	20	38
Industrial Facilities	AZ3300	34	04	30	337
Kiowa Mods Warrior	AZ2200	22	02	10	217
Kiowa Warrior WRA	A02345	10	01	20	68
Launcher, 2.75 Rocket	A50100	35	04	30	339
MQ-1 Payload - UAS	A00020	15	02	10	106
MQ-1 UAV	A00005	3	01	10	18
Multi Sensor ABN Recon (MIP)	AZ2001	17	02	10	125
Network And Mission Plan	AA0712	23	02	10	229
RQ-11 (RAVEN)	A00010	4	01	10	30
RQ-7 UAV MODS	A00018	26	02	10	277
Survivability CM	AZ3507	28	04	10	295
UH-60 Blackhawk M Model (MYP)	AA0005	11	01	20	76
UH-60 Blackhawk M Model (MYP)	AA0005	12	01	20	85
Utility Helicopter Mods	AA0480	21	02	10	206

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A11300 - Fixed Wing Aircraft	
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0203744A
MDAP/MAIS Code(s):		

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	2	2	2	-	2	1	2	-	7	Continuing	Continuing
Gross/Weapon System Cost *($ in Millions)*	250.148	14.572	18.639	19.730	-	19.730	16.166	54.136	0.825	105.552	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	250.148	14.572	18.639	19.730	-	19.730	16.166	54.136	0.825	105.552	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**250.148**	**14.572**	**18.639**	**19.730**	**-**	**19.730**	**16.166**	**54.136**	**0.825**	**105.552**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	7,286.000	9,319.500	9,865.000	-	9,865.000	16,166.000	27,068.000	-	15,078.857	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The budget line covers the acquisition of Army fixed wing aircraft to include the procurement of fixed wing aircraft to support Special Electronic Mission Aircraft (SEMA), Mission Support Aircraft (MSA),Transport and Operational Support Airlift (OSA) requirements,training, and other fixed wing support aircraft. This budget line also provides for the acquisition of new commercial-off-the shelf, non-developmental fixed wing aircraft systems.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	2	2	2	-	2	1	2	-	7
	Total Obligation Authority	14.572	18.639	19.730	-	19.730	16.166	54.136	0.825	105.552

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A11300 - Fixed Wing Aircraft	P5, P5A, P21		-	-	250.148	-	2	14.572	-	2	18.639	9,865.000	2	19.730	-	-	-	9,865.000	2	19.730
Total Gross/Weapon System Cost					**250.148**			**14.572**			**18.639**			**19.730**			**-**			**19.730**

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A11300 - Fixed Wing Aircraft	
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0203744A
MDAP/MAIS Code(s):		

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A11300 - Fixed Wing Aircraft	P5, P5A, P21		-	-	-	-	-	-	-	-	-	-	-	-	Continuing			Continuing		
Total Gross/Weapon System Cost					**16.166**			**54.136**			**0.825**			**105.552**	**Continuing**			**Continuing**		

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY14 Base procurement dollars in the amount of $19.730 million supports the procurement of (2) fixed wing aircraft (Aviation Test and Evaluation Command (ATEC) T-6 Joint Primary Aircraft Training System(JPATS)and associated military modifications and spares.

NOTE: FY14 quantity on P-40 is correct.

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

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A11300 - Fixed Wing Aircraft	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A11300 - Fixed Wing Aircraft

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	2	2	2	-	2	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost *($ in Millions)*	250.148	14.572	18.639	19.730	-	19.730	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	250.148	14.572	18.639	19.730	-	19.730	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**250.148**	**14.572**	**18.639**	**19.730**	**-**	**19.730**	**-**	**-**	**-**	**-**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	7,286.000	9,319.500	9,865.000	-	9,865.000	-	-	-	-	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
† Fixed Wing Aircraft Procurement		9,265.000	27	250.148	6,886.000	2	13.772	7,086.000	2	14.172	6,348.000	2	12.696	-	-	-	6,348.000	2	12.696
Engineering Change Proposal		-	-	-	-	-	-	-	-	-	865.000	2	1.730	-	-	-	865.000	2	1.730
Spares		-	-	-	-	-	-	-	-	-	670.000	2	1.339	-	-	-	670.000	2	1.339
Test & Evaluation		-	-	-	-	-	-	-	-	-	1,137.000	1	1.137	-	-	-	1,137.000	1	1.137
Program Management		-	-	-	-	-	-	-	-	-	1,438.000	1	1.438	-	-	-	1,438.000	1	1.438
Publication Tech Data		-	-	-	-	-	-	-	-	-	700.000	1	0.700	-	-	-	700.000	1	0.700
Airworthiness Release		-	-	-	-	-	-	-	-	-	345.000	2	0.690	-	-	-	345.000	2	0.690
Other		-	-	-	400.000	2	0.800	2,234.000	2	4.467	-	-	-	-	-	-	-	-	-
Total Recurring Cost				*250.148*			*14.572*			*18.639*			*19.730*			-			*19.730*
Total Flyaway Cost				*250.148*			*14.572*			*18.639*			*19.730*			-			*19.730*
Gross Weapon System Cost				**250.148**			**14.572**			**18.639**			**19.730**			**-**			**19.730**

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A11300 - Fixed Wing Aircraft	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A11300 - Fixed Wing Aircraft

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Flyaway Cost																			
Recurring Cost																			
† Fixed Wing Aircraft Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Change Proposal		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Test & Evaluation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Program Management		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Publication Tech Data		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Airworthiness Release		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Total Flyaway Cost				-			-			-			-			-			-
Gross Weapon System Cost				-			-			-			-	**Continuing**			**Continuing**		

P-5 Remarks:

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	2	2	2	-	2	-	-	-	-
	Total Obligation Authority	14.572	18.639	19.730	-	19.730	-	-	-	-

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A11300 - Fixed Wing Aircraft	**Item Nomenclature:** A11300 - Fixed Wing Aircraft

Cost Elements († indicates the presence of a P-21)	OCO	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Fixed Wing Aircraft Procurement		2012	Hawker Beech / Wichita	C / FFP	Redstone Arsenal, AL	Oct 2012	Jun 2013	2	6,886.000	N		Feb 2012
†Fixed Wing Aircraft Procurement		2013	Hawker Beech / Wichita	C / FFP	Redstone Arsenal, AL	Jan 2013	Nov 2013	2	7,086.000	N		Feb 2012
†Fixed Wing Aircraft Procurement		2014	Hawker Beech / Wichita	C / FFP	Redstone Arsenal, AL	Jan 2014	Sep 2014	2	7,925.000	N		Feb 2012
Fixed Wing Aircraft Procurement		2014	TBD / TBD	C / FFP	Redstone Arsenal, AL	Sep 2013	Sep 2014	-	12,000.000	N		Mar 2013

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A11300 - Fixed Wing Aircraft	**Item Nomenclature:** A11300 - Fixed Wing Aircraft

Cost Elements (Units in Each)							Fiscal Year 2013												Fiscal Year 2014											
							Calendar Year 2013															Calendar Year 2014									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Fixed Wing Aircraft Procurement																														
	1	2013	ARMY	2	-	2	-	-	-	A -	-	-	-	-	-	-	-	-	-	2										-
	1	2014	ARMY (I)	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	2	-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A11300 - Fixed Wing Aircraft	**Item Nomenclature:** A11300 - Fixed Wing Aircraft

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR #	MFR Name - Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Hawker Beech - Wichita	1.00	4.00	4.00	-	12	8	20	-	3	8	11

"A" in the Delivery Schedule indicated the Contract Award Date.
Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

Service/Agency Suffixes:

(I) Base

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A02005 - Aerial Common Sensor (ACS) (MIP)
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**
Other Related Program Elements: 0605626A	
MDAP/MAIS Code(s):	

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	37	-	-	4	-	4	2	-	-	-	Continuing	Continuing
Gross/Weapon System Cost *($ in Millions)*	729.823	-	-	142.050	-	142.050	103.780	5.000	5.000	5.000	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	729.823	-	-	142.050	-	142.050	103.780	5.000	5.000	5.000	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**729.823**	**-**	**-**	**142.050**	**-**	**142.050**	**103.780**	**5.000**	**5.000**	**5.000**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	19,724.946	-	-	35,512.500	-	35,512.500	51,890.000	-	-	-	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The Enhanced Medium Altitude Reconnaissance and Surveillance System (EMARSS) is the Army's next generation C-12 based, direct support, manned airborne intelligence collection, processing, and targeting support system. EMARSS provides a persistent capability to detect, locate, classify/identify, and track surface targets with a high degree of timeliness and accuracy. EMARSS aircraft will be assigned to the U.S. Army Intelligence and Security Command's (INSCOM) Aerial Exploitation Battalions (AEB). EMARSS is an improvement over the existing Medium Altitude Reconnaissance and Surveillance System Quick Reaction Capability (MARSS QRC) in that it hosts an on board Distributed Common Ground System - Army (DCGS-A) capability, improved satellite communications, improved aircraft performance, and life cycle logistics sustainment capability.

EMARSS will consist of a commercial derivative aircraft equipped with an Electro-optical/Infrared (EO/IR) sensor with Full Motion Video (FMV), a Communications Intelligence (COMINT) collection system, an Aerial Precision Geolocation (APG) system, tactical line-of-site (LOS) and beyond line-of-site (BLOS) communications suite, two DCGS-A enabled operator workstations and a self-protection suite. EMARSS is built to allow future capabilities to be integrated on platform with the addition of a third carry-on workstation.

EMARSS will operate as a single platform in direct support of tactical missions. EMARSS, integrating elements of the DCGS-A, will provide efficient response to Combat Forces with Intelligence, Surveillance and Reconnaissance (ISR) tasking. EMARSS' flexibility, endurance, sensor capability, communications architecture, and Processing, Exploitation & Dissemination (PED) support is relevant to the entire Find, Fix, Finish, Exploit, Analyze, and Disseminate (F3EAD) cycle.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	4	-	4	2	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A02005 - Aerial Common Sensor (ACS) (MIP)	
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0605626A
MDAP/MAIS Code(s):		

Secondary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Total Obligation Authority	-	-	142.050	-	142.050	103.780	5.000	5.000	5.000

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A02005 - Aerial Common Sensor (ACS) (MIP)	P5, P5A, P21		19,724.946	-	729.823	-	-	-	-	-	-	35,512.500	4	142.050	-	-	-	35,512.500	4	142.050
Total Gross/Weapon System Cost					**729.823**			**-**			**-**			**142.050**			**-**			**142.050**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A02005 - Aerial Common Sensor (ACS) (MIP)	P5, P5A, P21		-	-	-	-	-	-	-	-	-	-	-	-	Continuing			Continuing		
Total Gross/Weapon System Cost					**103.780**			**5.000**			**5.000**			**5.000**	**Continuing**			**Continuing**		

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY14 Base procurement dollars in the amount of $142.050 million supports purchasing four (4) Low Rate Initial Production (LRIP) systems including Government Furnished Equipment (GFE), training support, and initial spares. In addition, it brings four (4) EMARSS systems and a EMARSS Maintenance Vehicle (EMV) to production configuration.

All COMPO 1 Active

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A02005 - Aerial Common Sensor (ACS) (MIP)	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A02005 - Aerial Common Sensor (ACS) (MIP)

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	4	-	4	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost *($ in Millions)*	729.823	-	-	142.050	-	142.050	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	729.823	-	-	142.050	-	142.050	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**729.823**	**-**	**-**	**142.050**	**-**	**142.050**	**-**	**-**	**-**	**-**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	19,724.946	-	-	35,512.500	-	35,512.500	-	-	-	-	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
† EMARSS LRIP Systems (4 Systems)		-	-	-	-	-	-	-	-	-	28,675.000	4	114.700	-	-	-	28,675.000	4	114.700
Productionize EMARSS Systems		-	-	-	-	-	-	-	-	-	-	-	3.300	-	-	-	-	-	3.300
Testing		-	-	-	-	-	-	-	-	-	-	-	1.300	-	-	-	-	-	1.300
ECPs		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			*119.300*			-			*119.300*
Total Flyaway Cost				-			-			-			*119.300*			-			*119.300*
Hardware Cost																			
Recurring Cost																			
Government Furnished Equipment (GFE)		-	-	-	-	-	-	-	-	-	-	-	8.900	-	-	-	-	-	8.900
EMARSS Maintenance Vehicle (EMV)		-	-	-	-	-	-	-	-	-	-	-	1.100	-	-	-	-	-	1.100
Total Recurring Cost				-			-			-			*10.000*			-			*10.000*
Total Hardware Cost				-			-			-			*10.000*			-			*10.000*
Software Cost																			

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A02005 - Aerial Common Sensor (ACS) (MIP)	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A02005 - Aerial Common Sensor (ACS) (MIP)

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Recurring Cost																			
Software Licenses		-	-	-	-	-	-	-	-	-	-	-	2.550	-	-	-	-	-	2.550
Total Recurring Cost				-			-			-			*2.550*			-			*2.550*
Total Software Cost				-			-			-			*2.550*			-			*2.550*
Logistics Cost																			
Recurring Cost																			
Initial Spares & Repairs		-	-	-	-	-	-	-	-	-	-	-	2.450	-	-	-	-	-	2.450
Data		-	-	-	-	-	-	-	-	-	-	-	0.500	-	-	-	-	-	0.500
Total Recurring Cost				-			-			-			*2.950*			-			*2.950*
Non Recurring Cost																			
Training Spt / Manuals / NET		-	-	-	-	-	-	-	-	-	-	-	5.000	-	-	-	-	-	5.000
Total Non Recurring Cost				-			-			-			*5.000*			-			*5.000*
Total Logistics Cost				-			-			-			*7.950*			-			*7.950*
Support Cost																			
PMO / SETA Support		-	-	-	-	-	-	-	-	-	-	-	2.250	-	-	-	-	-	2.250
Interim Contractor Support & A/C CLS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Support Cost				-			-			-			*2.250*			-			*2.250*
Gross Weapon System Cost				**729.823**			**-**			**-**			**142.050**			**-**			**142.050**

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Flyaway Cost																			
Recurring Cost																			
† EMARSS LRIP Systems (4 Systems)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Productionize EMARSS Systems		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Testing		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ECPs		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Total Flyaway Cost				-			-			-			-			-			-

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A02005 - Aerial Common Sensor (ACS) (MIP)	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A02005 - Aerial Common Sensor (ACS) (MIP)

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Hardware Cost																			
Recurring Cost																			
Government Furnished Equipment (GFE)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EMARSS Maintenance Vehicle (EMV)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Total Hardware Cost				-			-			-			-			-			-
Software Cost																			
Recurring Cost																			
Software Licenses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Total Software Cost				-			-			-			-			-			-
Logistics Cost																			
Recurring Cost																			
Initial Spares & Repairs		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Non Recurring Cost																			
Training Spt / Manuals / NET		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Non Recurring Cost				-			-			-			-			-			-
Total Logistics Cost				-			-			-			-			-			-
Support Cost																			
PMO / SETA Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interim Contractor Support & A/C CLS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Support Cost				-			-			-			-			-			-
Gross Weapon System Cost				**-**			**-**			**-**			**-**	**Continuing**			**Continuing**		

P-5 Remarks:

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A02005 - Aerial Common Sensor (ACS) (MIP)	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A02005 - Aerial Common Sensor (ACS) (MIP)

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	4	-	4	-	-	-	-
	Total Obligation Authority	-	-	142.050	-	142.050	-	-	-	-

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A02005 - Aerial Common Sensor (ACS) (MIP)	**Item Nomenclature:** A02005 - Aerial Common Sensor (ACS) (MIP)

Cost Elements († indicates the presence of a P-21)	OCO	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†EMARSS LRIP Systems (4 Systems)		2014	Boeing Company / Ridley Park	C / FPIF	Aberdeen, MD	Jun 2014	Dec 2015	4	28,675.000	N		

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A02005 - Aerial Common Sensor (ACS) (MIP)	**Item Nomenclature:** A02005 - Aerial Common Sensor (ACS) (MIP)

Cost Elements (Units in Each)							Fiscal Year 2014												Fiscal Year 2015											
										Calendar Year 2014														Calendar Year 2015									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
EMARSS LRIP Systems (4 Systems)																														
	1	2014	ARMY	4	-	4	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A02005 - Aerial Common Sensor (ACS) (MIP)	**Item Nomenclature:** A02005 - Aerial Common Sensor (ACS) (MIP)

Cost Elements (Units in Each)							Fiscal Year 2016												Fiscal Year 2017											
							Calendar Year 2016												Calendar Year 2017											
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
EMARSS LRIP Systems (4 Systems)																													
	1	2014	ARMY	4	-	4	-	-	2	2																			-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A02005 - Aerial Common Sensor (ACS) (MIP)	**Item Nomenclature:** A02005 - Aerial Common Sensor (ACS) (MIP)

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR #	MFR Name - Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Boeing Company - Ridley Park	3.00	3.00	6.00	-	9	18	27	-	-	-	-

"A" in the Delivery Schedule indicated the Contract Award Date.
Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00005 - MQ-1 UAV	
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0307204A, 0305219A
MDAP/MAIS Code(s):		

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	55	29	19	15	-	15	15	-	-	-	-	133
Gross/Weapon System Cost *($ in Millions)*	895.501	550.798	518.088	518.460	-	518.460	232.321	1.000	14.000	100.334	-	2,830.502
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	895.501	550.798	518.088	518.460	-	518.460	232.321	1.000	14.000	100.334	-	2,830.502
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**895.501**	**550.798**	**518.088**	**518.460**	**-**	**518.460**	**232.321**	**1.000**	**14.000**	**100.334**	**-**	**2,830.502**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	11.143	11.257	18.951	17.842	-	17.842	9.678	-	-	-	-	68.871
Gross/Weapon System Unit Cost *(Units in Thousands)*	16,281.830	18,993.030	27,267.780	34,564.000	-	34,564.000	15,488.067	-	-	-	-	21.282

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

Gray Eagle provides the Division Commander a dedicated, assured, multi-mission Unmanned Aircraft System (UAS) for the tactical fight assigned to Combat Aviation Brigade (CAB), Army Special Operations Aviation Command, (ARSOAC), and Aerial Exploitation Battalions (AEB) in support of the Division Fires, Battlefield Surveillance Brigades (BSB) and Brigade Combat Teams (BCT), based upon the Division Commander's priorities. Provides Reconnaissance, Surveillance, and Target Acquisition (RSTA), command and control, communications relay, Signals Intelligence (SIGINT), and battle damage assessment capability. The MQ-1C Gray Eagle UAS will be fielded to (15) units. A Gray Eagle unit consists of either 9 or 12 Aircraft and a Standard Equipment Package (SEP) and Payloads to include: Electro-Optical/ Infrared Laser Range Finder/Laser Designator (EO/IR/RF/LD), communication relay, and up to (4) HELLFIRE Missiles. The Combat Aviation Brigades (CAB) consist of Soldiers, (9) Aircraft, (5) Universal Ground Control Stations (UGCS), (6) Universal Ground Data Terminals (UGDT), (1) Mobile Ground Control Station (MGCS), (1) Satellite Communication (SATCOM) Ground Data Terminal (SGDT), (9) Satellite Airborne Data Terminals (SADT), (3) Automatic Take-off and Landing Systems (ATLS), and Ground Support Equipment (GSE). The Aerial Exploitation Battalions (AEB) consist of (9) Aircraft, (5) Universal Ground Control Stations (UGCS), (6) Universal Ground Data Terminals (UGDT), (1) Mobile Ground Control Station (MGCS), (1) Satellite Communication (SATCOM) Ground Data Terminal (SGDT), (9) Satellite Airborne Data Terminals (SADT), (3) Automatic Take-off and Landing Systems (ATLS), and Ground Support Equipment (GSE). The number soldiers assigned to each of the AEB units will be determined upon issuance of the Force Design Update in the summer of 2013. The Army Special Operations Aviation Command (ARSOAC) units consist of Soldiers, (12) Aircraft, (6) Universal Ground Control Stations (UGCS), (7) Universal Ground Data Terminals (UGDT), (3) Mobile Ground Control Stations (MGCS), (3) Satellite Communication (SATCOM) Ground Data Terminals (SGDT), (12) Satellite Airborne Data Terminals (SADT), (3) Automatic Take-off and Landing Systems (ATLS), and Ground Support Equipment (GSE). Deployed units also receive (4) Ka Satellite Communication (SATCOM) Ground Data Terminals (SGDT) and (12) Ka Satellite Communications (SATCOM) Airborne Data Terminals (SADT) for access to military (Ka band) satellites while OCONUS.

The Army directed changes to the Gray Eagle fielding strategy that required changes to planned procurement quantities. Given the changed fielding strategy the FY 13 quantities for ground equipment only on this exhibit for FY13 do not match current plans.

This budget line also includes procurement of training devices, Ground Based Sense and Avoid (GBSAA), and new equipment training and fielding. GBSAA provides a solution to the "See and Avoid (SAA)" issues associated with gaining access to the National Airspace System (NAS) for UAS. GBSAA is a ground-based means of detecting airborne traffic and providing the necessary intelligence to the UAS, allowing it to "See and Avoid" as an alternate means of compliance with CFR Part 91.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00005 - MQ-1 UAV	
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0307204A, 0305219A
MDAP/MAIS Code(s):		

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A00005 - MQ-1 UAV	P5, P5A, P21		16,281.830	55	895.501	-	29	550.798	-	19	518.088	34,564.000	15	518.460	-	-	-	34,564.000	15	518.460
Total Gross/Weapon System Cost					**895.501**			**550.798**			**518.088**			**518.460**			**-**			**518.460**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A00005 - MQ-1 UAV	P5, P5A, P21		15,488.067	15	232.321	-	-	1.000	-	-	14.000	-	-	100.334	-	-	-	21.282	133	2,830.502
Total Gross/Weapon System Cost					**232.321**			**1.000**			**14.000**			**100.334**			**-**			**2,830.502**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY 2014 Gray Eagle Base funding of $518.460 million procures (15) Aircraft, (8) Universal Ground Control Stations (UGCS), (12) Mobile Ground Control Stations (MGCS), (6) Automated Take Off and Landing Systems (ATLS), (8) Satellite Communications (SATCOM) Ground Data Terminals (SGDT), (12) Ka Satellite Communication (SATCOM) Ground Data Terminals (Ka SGDT), (18) Satellite Airborne Data Terminals (SADT), (36) Ka Satellite Communications (SATCOM) Airborne Data Terminals (Ka SADT), (6) lots of Ground Support Equipment (GSE), New Equipment Training (NET), Initial Spares, Training Devices and other ground support equipment. Funds also procure 4 sites of Ground Base Sense and Avoid (GBSAA) equipment.

All COMPO 1 Active

NOTE: FY12 quantity on P-40 is correct.

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00005 - MQ-1 UAV	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A00005 - MQ-1 UAV

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	55	29	19	15	-	15	15	-	-	-	-	133
Gross/Weapon System Cost *($ in Millions)*	895.501	550.798	518.088	518.460	-	518.460	232.321	1.000	14.000	100.334	-	2,830.502
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	895.501	550.798	518.088	518.460	-	518.460	232.321	1.000	14.000	100.334	-	2,830.502
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**895.501**	**550.798**	**518.088**	**518.460**	**-**	**518.460**	**232.321**	**1.000**	**14.000**	**100.334**	**-**	**2,830.502**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	16,281.830	18,993.030	27,267.780	34,564.000	-	34,564.000	15,488.067	-	-	-	-	21.282

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
† Aircraft		4,406.000	55	242.347	4,206.000	29	121.964	5,286.000	19	100.429	5,396.000	15	80.944	-	-	-	5,396.000	15	80.944
Ground Control Station (GCS)		3,172.000	10	31.724	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portable Ground Control Station (PGCS)		1,128.000	4	4.511	631.000	6	3.785	942.000	4	3.768	-	-	-	-	-	-	-	-	-
Universal Ground Control Station (UGCS)		3,202.000	15	48.037	2,757.000	14	38.593	4,060.000	8	32.478	3,537.000	8	28.296	-	-	-	3,537.000	8	28.296
Ground Data Terminal (GDT)		1,229.000	14	17.207	-	-	-	2,871.000	8	22.969	-	-	-	-	-	-	-	-	-
Universal Ground Data Terminal (UGDT)		1,189.000	15	17.842	1,218.000	21	25.585	-	-	-	-	-	-	-	-	-	-	-	-
Portable Ground Data Terminal (PGDT)		379.000	4	1.517	-	-	-	2,034.000	4	8.137	-	-	-	-	-	-	-	-	-
Automatic Take-Off & Landing Sys (ATLS)		713.000	16	11.412	815.000	7	5.704	1,535.000	4	6.138	1,046.000	6	6.274	-	-	-	1,046.000	6	6.274
Satellite Ground Data Terminal (SGDT)		1,632.000	17	27.739	1,719.000	7	12.030	2,947.000	4	11.786	2,205.000	8	17.640	-	-	-	2,205.000	8	17.640
Ground Support Equipment Kits (GSE)		2,554.000	6	15.325	2,127.000	7	14.886	2,974.000	4	11.896	2,768.000	6	16.608	-	-	-	2,768.000	6	16.608

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00005 - MQ-1 UAV	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A00005 - MQ-1 UAV

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
KA SATCOM		-	-	-	-	-	-	-	-	-	3,169.000	12	38.028	-	-	-	3,169.000	12	38.028
KA SADT		-	-	-	-	-	-	-	-	-	522.000	36	18.792	-	-	-	522.000	36	18.792
Mobile GCS (MGCS)		-	-	-	-	-	-	-	-	-	1,425.000	12	17.100	-	-	-	1,425.000	12	17.100
Engineering Change Order		-	-	37.283	-	-	28.067	-	-	15.830	-	-	4.435	-	-	-	-	-	4.435
Non-Recurring Production		-	-	-	-	-	15.318	-	-	22.700	-	-	7.270	-	-	-	-	-	7.270
Initial Spares		8,499.000	9	76.491	11,572.000	7	81.005	-	-	66.231	-	-	31.630	-	-	-	-	-	31.630
Other Hardware		-	-	178.778	-	-	38.796	-	-	30.149	-	-	66.540	-	-	-	-	-	66.540
SATCOM Airborne Data Terminal(SADT)		471.000	47	22.144	448.000	29	12.980	-	-	-	574.000	18	10.337	-	-	-	574.000	18	10.337
Government Furnished Equipment (GFE)		-	-	6.355	-	-	17.635	-	-	11.775	-	-	9.797	-	-	-	-	-	9.797
Program Management		-	-	46.671	-	-	20.227	-	-	20.569	-	-	21.305	-	-	-	-	-	21.305
Test and Evaluation		-	-	22.474	-	-	17.968	-	-	18.746	-	-	16.768	-	-	-	-	-	16.768
Transportation		-	-	0.044	-	-	0.030	-	-	0.046	-	-	0.079	-	-	-	-	-	0.079
Operational Site Activation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Government Agencies		-	-	41.149	-	-	13.160	-	-	-	-	-	-	-	-	-	-	-	-
Software		-	-	0.800	-	-	16.810	-	-	13.956	-	-	19.178	-	-	-	-	-	19.178
Training Devices		-	-	15.958	-	-	43.290	-	-	45.422	-	-	16.505	-	-	-	-	-	16.505
NET Training		-	-	3.396	-	-	7.175	-	-	21.888	-	-	11.336	-	-	-	-	-	11.336
Support Equipment (Maint Shelter)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Modifications		-	-	26.297	-	-	7.900	-	-	15.494	-	-	65.417	-	-	-	-	-	65.417
Other Weapons System		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground Base Sense and Avoid (GBSAA)		-	-	-	-	-	7.890	-	-	37.681	-	-	14.181	-	-	-	-	-	14.181
Total Recurring Cost				*895.501*			*550.798*			*518.088*			*518.460*			-			*518.460*
Total Flyaway Cost				*895.501*			*550.798*			*518.088*			*518.460*			-			*518.460*
Gross Weapon System Cost				**895.501**			**550.798**			**518.088**			**518.460**			**-**			**518.460**

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00005 - MQ-1 UAV	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A00005 - MQ-1 UAV

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Flyaway Cost																			
Recurring Cost																			
† Aircraft		5,493.000	15	82.401	-	-	-	-	-	-	-	-	-	-	-	-	24,787.000	133	628.085
Ground Control Station (GCS)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,172.000	10	31.724
Portable Ground Control Station (PGCS)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,701.000	14	12.064
Universal Ground Control Station (UGCS)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,556.000	45	147.404
Ground Data Terminal (GDT)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,100.000	22	40.176
Universal Ground Data Terminal (UGDT)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,407.000	36	43.427
Portable Ground Data Terminal (PGDT)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,413.000	8	9.654
Automatic Take-Off & Landing Sys (ATLS)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,109.000	33	29.528
Satellite Ground Data Terminal (SGDT)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,503.000	36	69.195
Ground Support Equipment Kits (GSE)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,423.000	23	58.715
KA SATCOM		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,169.000	12	38.028
KA SADT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	522.000	36	18.792
Mobile GCS (MGCS)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,425.000	12	17.100
Engineering Change Order		-	-	4.580	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.195
Non-Recurring Production		-	-	19.789	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65.077
Initial Spares		-	-	21.466	-	-	-	-	-	-	-	-	-	-	-	-	20,071.000	16	276.823
Other Hardware		-	-	16.504	-	-	-	-	-	-	-	-	-	-	-	-	-	-	330.767
SATCOM Airborne Data Terminal(SADT)		585.000	18	10.523	-	-	-	-	-	-	-	-	-	-	-	-	2,078.000	112	55.984
Government Furnished Equipment (GFE)		-	-	4.197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49.759
Program Management		-	-	21.689	-	-	-	-	-	0.352	-	-	-	-	-	-	-	-	130.813
Test and Evaluation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75.956
Transportation		-	-	0.048	-	-	0.654	-	-	-	-	-	-	-	-	-	-	-	0.901

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00005 - MQ-1 UAV	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A00005 - MQ-1 UAV

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Operational Site Activation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Government Agencies		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.309
Software		-	-	14.571	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65.315
Training Devices		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	121.175
NET Training		-	-	26.181	-	-	0.346	-	-	7.973	-	-	-	-	-	-	-	-	78.295
Support Equipment (Maint Shelter)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Modifications		-	-	10.169	-	-	-	-	-	5.675	-	-	100.334	-	-	-	-	-	231.286
Other Weapons System		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground Base Sense and Avoid (GBSAA)		-	-	0.203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59.955
Total Recurring Cost				*232.321*			*1.000*			*14.000*			*100.334*			-			*2,830.502*
Total Flyaway Cost				*232.321*			*1.000*			*14.000*			*100.334*			-			*2,830.502*
Gross Weapon System Cost				**232.321**			**1.000**			**14.000**			**100.334**			**-**			**2,830.502**

P-5 Remarks:

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00005 - MQ-1 UAV	**Item Nomenclature:** A00005 - MQ-1 UAV

Cost Elements († indicates the presence of a P-21)	OCO	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†Aircraft		2011	GENERAL ATOMICS / ASI / SAN DIEGO	SS / FPIF	AMCOM	Apr 2011	Jan 2013	29	4,046.000	Y		
†Aircraft		2012	GENERAL ATOMICS / ASI / SAN DIEGO	SS / FPIF	AMCOM	Jul 2012	Apr 2014	29	4,206.000	Y		
†Aircraft		2013	GENERAL ATOMICS / ASI / SAN DIEGO	SS / FFP	AMCOM	Jun 2013	May 2015	19	5,286.000	Y		
†Aircraft		2014	GENERAL ATOMICS / ASI / SAN DIEGO	SS / FFP	AMCOM	Jun 2014	May 2016	15	5,396.000	Y		
†Aircraft		2015	GENERAL ATOMICS / ASI / SAN DIEGO	SS / FFP	AMCOM	Jun 2015	May 2017	15	5,493.000	Y		

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00005 - MQ-1 UAV	**Item Nomenclature:** A00005 - MQ-1 UAV

Cost Elements (Units in Each)							Fiscal Year 2011												Fiscal Year 2012										
										Calendar Year 2011														Calendar Year 2012									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2010	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Aircraft																														
All Prior Years Deliveries: 26																														
	1	2011	ARMY	29	-	29	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29
	1	2012	ARMY	29	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	29
	1	2013	ARMY (II)	19	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
	1	2014	ARMY (III)	15	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
	1	2015	ARMY (IV)	15	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00005 - MQ-1 UAV	**Item Nomenclature:** A00005 - MQ-1 UAV

Cost Elements (Units in Each)							Fiscal Year 2013												Fiscal Year 2014											
										Calendar Year 2013														Calendar Year 2014								
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Aircraft																														
All Prior Years Deliveries: 26																														
	1	2011	ARMY	29	-	29	-	-	-	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2							-
	1	2012	ARMY	29	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	3	2	16
	1	2013	ARMY (II)	19	-	19	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
	1	2014	ARMY (III)	15	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	15
	1	2015	ARMY (IV)	15	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00005 - MQ-1 UAV	**Item Nomenclature:** A00005 - MQ-1 UAV

Cost Elements (Units in Each)							Fiscal Year 2015												Fiscal Year 2016											
										Calendar Year 2015												Calendar Year 2016									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Aircraft																														
All Prior Years Deliveries: 26																														
	1	2011	ARMY	29	29	-																								-
	1	2012	ARMY	29	13	16	3	2	2	2	2	3	2																	-
	1	2013	ARMY (II)	19	-	19	-	-	-	-	-	-	-	2	2	2	1	2	1	2	1	1	2	1	1	1					-
	1	2014	ARMY (III)	15	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	1	1	8
	1	2015	ARMY (IV)	15	-	15	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00005 - MQ-1 UAV	**Item Nomenclature:** A00005 - MQ-1 UAV

Cost Elements (Units in Each)							Fiscal Year 2017												Fiscal Year 2018											
										Calendar Year 2017														Calendar Year 2018									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Aircraft																														
All Prior Years Deliveries: 26																														
	1	2011	ARMY	29	29	-																								-
	1	2012	ARMY	29	29	-																								-
	1	2013	ARMY (II)	19	19	-																								-
	1	2014	ARMY (III)	15	7	8	1	1	1	1	1	1	1	1																-
	1	2015	ARMY (IV)	15	-	15	-	-	-	-	-	-	-	1	2	2	1	1	1	1	1	1	1	1	1	1					-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00005 - MQ-1 UAV	**Item Nomenclature:** A00005 - MQ-1 UAV

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR #	MFR Name - Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	GENERAL ATOMICS / ASI - SAN DIEGO	12.00	36.00	60.00	8	5	21	26	8	5	21	26

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

Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

Service/Agency Suffixes:

(II) BASE

(III) BASE

(IV) BASE

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00010 - RQ-11 (RAVEN)	
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0375204A, 0375232A
MDAP/MAIS Code(s):		

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	1,203	1,131	234	-	-	-	246	69	-	-	Continuing	Continuing
Gross/Weapon System Cost *($ in Millions)*	121.807	86.062	25.798	10.772	-	10.772	33.359	31.001	26.375	15.000	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	121.807	86.062	25.798	10.772	-	10.772	33.359	31.001	26.375	15.000	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**121.807**	**86.062**	**25.798**	**10.772**	**-**	**10.772**	**33.359**	**31.001**	**26.375**	**15.000**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	0.048	0.072	0.108	-	-	-	0.132	0.444	-	-	Continuing	Continuing
Gross/Weapon System Unit Cost *(Units in Thousands)*	101.253	76.094	110.248	-	-	-	135.606	449.290	-	-	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The Small Unmanned Aircraft Systems (SUAS) provides the battalion and below ground maneuver elements critical situational awareness and enhances force protection. The system provides the small unit commander an organic and responsive tactical Reconnaissance, Surveillance, and Target Acquisition capability through the ability to view real-time Full Motion Video and sensor data via the system ground control station. Other compatible receivers, such as the One System Remove Video Terminal and appropriately equipped manned platforms may also receive the SUAS products. A SUAS includes three hand-launched aircraft that do not require an improved launch/recovery location. In addition to the aircraft, the system contains ground control equipment, which includes an interoperable hand controller. This equipment is fully transportable in or on rucksack type packs that are organic to the unit.

This funding line includes procurement of SUAS aircraft, associated system ground support equipment, and initial spares. Starting in FY2013, funding is also included for retrofit of previously procured Raven aircraft with gimbaled payload, recently identified in Operation Enduring Freedom as a critical operational enabler. SUAS will procure two Gimbaled Payload Retrofits per three Raven aircraft. New equipment training and fielding logistics, and program management costs are also included. The FY2012 Production buy of Raven air vehicles included the gimbaled payload.

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

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	1,131	143	-	-	-	150	42	-	-
	Total Obligation Authority	86.062	15.747	10.772	-	10.772	20.349	18.911	26.375	15.000

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00010 - RQ-11 (RAVEN)
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:** 0375204A, 0375232A
MDAP/MAIS Code(s):	

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
ANG	Quantity	-	73	-	-	-	76	21	-	-
	Total Obligation Authority	-	8.041	-	-	-	10.341	9.610	-	-
AR	Quantity	-	18	-	-	-	20	6	-	-
	Total Obligation Authority	-	2.010	-	-	-	2.669	2.480	-	-

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A00010 - RQ-11 (RAVEN)	P5, P5A, P21		101.253	-	121.807	-	1,131	86.062	-	234	25.798	-	-	10.772	-	-	-	-	-	10.772
Total Gross/Weapon System Cost					**121.807**			**86.062**			**25.798**			**10.772**			**-**			**10.772**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A00010 - RQ-11 (RAVEN)	P5, P5A, P21		-	-	-	-	-	-	-	-	-	-	-	-		Continuing			Continuing	
Total Gross/Weapon System Cost					**33.359**			**31.001**			**26.375**			**15.000**		**Continuing**			**Continuing**	

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY2014 Raven Base funding of $10.772 million will procure 103 Gimbaled Payload Retrofits, NET Training, Program Management, Engineering and Logistics Support.

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00010 - RQ-11 (RAVEN)	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A00010 - RQ-11 (RAVEN)

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	1,131	234	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost *($ in Millions)*	121.807	86.062	25.798	10.772	-	10.772	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	121.807	86.062	25.798	10.772	-	10.772	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**121.807**	**86.062**	**25.798**	**10.772**	**-**	**10.772**	**-**	**-**	**-**	**-**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	101.253	76.094	110.248	-	-	-	-	-	-	-	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
† Air Vehicles		20.374	1,290	26.283	34.512	1,131	39.033	34.526	234	8.079	-	-	-	-	-	-	-	-	-
Initial Spares Package (ISP)		-	-	6.745	-	-	9.991	-	-	2.021	-	-	-	-	-	-	-	-	-
Other System Hardware		-	-	-	-	-	22.620	-	-	4.982	-	-	-	-	-	-	-	-	-
Digital Data Link Retrofit		59.972	930	55.774	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gimbal Payload Retrofit		-	-	-	-	-	-	30.600	5	0.153	31.204	103	3.214	-	-	-	31.204	103	3.214
Operator Training		-	-	13.546	-	-	2.220	-	-	0.397	-	-	0.208	-	-	-	-	-	0.208
Engineering Change Orders		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PUMA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Government Furnished Equipment (GFE)		-	-	4.070	-	-	2.752	-	-	0.543	-	-	-	-	-	-	-	-	-
Program Management		-	-	5.740	-	-	4.679	-	-	4.449	-	-	2.290	-	-	-	-	-	2.290
Technical		-	-	5.200	-	-	2.154	-	-	2.354	-	-	2.550	-	-	-	-	-	2.550
Logistics		-	-	4.449	-	-	2.613	-	-	2.820	-	-	2.510	-	-	-	-	-	2.510
Total Recurring Cost				*121.807*			*86.062*			*25.798*			*10.772*			-			*10.772*

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00010 - RQ-11 (RAVEN)	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A00010 - RQ-11 (RAVEN)

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Total Flyaway Cost				*121.807*			*86.062*			*25.798*			*10.772*			-			*10.772*
Gross Weapon System Cost				**121.807**			**86.062**			**25.798**			**10.772**			**-**			**10.772**

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Flyaway Cost																			
Recurring Cost																			
† Air Vehicles		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Initial Spares Package (ISP)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other System Hardware		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Digital Data Link Retrofit		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gimbal Payload Retrofit		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operator Training		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Change Orders		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PUMA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Government Furnished Equipment (GFE)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Program Management		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Technical		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Logistics		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Total Flyaway Cost				-			-			-			-			-			-
Gross Weapon System Cost				**-**			**-**			**-**			**-**	**Continuing**			**Continuing**		

P-5 Remarks:

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	1,131	143	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00010 - RQ-11 (RAVEN)	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A00010 - RQ-11 (RAVEN)

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
	Total Obligation Authority	86.062	15.747	10.772	-	10.772	-	-	-	-
ANG	Quantity	-	73	-	-	-	-	-	-	-
	Total Obligation Authority	-	8.041	-	-	-	-	-	-	-
AR	Quantity	-	18	-	-	-	-	-	-	-
	Total Obligation Authority	-	2.010	-	-	-	-	-	-	-

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00010 - RQ-11 (RAVEN)	**Item Nomenclature:** A00010 - RQ-11 (RAVEN)

Cost Elements († indicates the presence of a P-21)	OCO	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†Air Vehicles		2012	Aero Vironment / Simi Valley	SS / FFP	AMCOM	May 2012	Jul 2012	1,131	34.512	Y		
†Air Vehicles		2013	Aero Vironment / Simi Valley	SS / FFP	AMCOM	Mar 2013	May 2013	234	34.526	Y		

Remarks:

The FY2012 award date is anticipated for March 2013 to incorporate additional OCO funding appropriated. Due to the short production runs this change does not impact the schedule for future award.

The FY2013 Raven hardware procurement will be made through a Delivery Order under the Competitive Multi-award IDIQ Contract. The current listed vendor may change. Five vendors were awarded the contract and vendor name will be determined with the award of the Delivery Order.

The FY2014 Raven hardware procurement will be made through a Delivery Order under the Competitive Multi-award IDIQ Contract. Contract vendor is to be determined.

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00010 - RQ-11 (RAVEN)	**Item Nomenclature:** A00010 - RQ-11 (RAVEN)

Cost Elements (Units in Each)							Fiscal Year 2012												Fiscal Year 2013											
							Calendar Year 2012												Calendar Year 2013												
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Air Vehicles																														
	1	2012	ARMY	1,131	-	1,131	-	-	-	-	-	-	-	A -	-	90	90	90	90	90	90	90	90	90	90	90	51			-
	1	2013	ARMY (V)	234	-	234	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	46	46	46	46	50	-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 10: Fixed Wing	**P-1 Line Item Nomenclature:** A00010 - RQ-11 (RAVEN)	**Item Nomenclature:** A00010 - RQ-11 (RAVEN)

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR #	MFR Name - Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Aero Vironment - Simi Valley	250.00	750.00	1,500.00	-	2	2	4	-	2	2	4

"A" in the Delivery Schedule indicated the Contract Award Date.
Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

Service/Agency Suffixes:

(V) BASE

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05001 - Helicopter, Light Utility (LUH)
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	232	39	34	10	-	10	-	-	-	-	-	315
Gross/Weapon System Cost *($ in Millions)*	1,373.014	250.415	271.983	96.227	-	96.227	-	-	-	-	-	1,991.639
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1,373.014	250.415	271.983	96.227	-	96.227	-	-	-	-	-	1,991.639
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,373.014**	**250.415**	**271.983**	**96.227**	**-**	**96.227**	**-**	**-**	**-**	**-**	**-**	**1,991.639**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	0.600	-	-	-	-	-	-	-	-	-	-	0.600
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	5,918.164	6,420.897	7,999.500	9,622.700	-	9,622.700	-	-	-	-	-	6.323

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The Light Utility Helicopter, UH-72A LAKOTA will provide general aviation support for Continental United States (CONUS) based Table of Distribution and Allowance (TDA) and Table of Organization and Equipment (TOE) aviation units in the active and reserve components. The UH-72A platform will provide the flexibility to respond to Homeland Security (HLS) requirements, conduct civil search and rescue operations, support damage assessment, support test and training centers, perform generating force missions, augment the HH-60 Medical Evacuation (MEDEVAC) aircraft, and provide support to CONUS counterdrug operations. The UH-72A will conduct general support utility helicopter missions and execute tasks as part of an integrated effort with other joint services, government agencies, and non-governmental organizations. The UH-72A provides time-sensitive transport of supplies or key personnel, air mobility to assist civil authorities through the execution of search and rescue or disaster relief operations, advanced warning/detection of external threats to include threats to our borders, augmentation of air ambulance capabilities, and limited command and control operations in the conduct of HLS. The LUH program is currently in full rate production.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	1	-	-	-	-	-	-	-	-
	Total Obligation Authority	6.421	-	-	-	-	-	-	-	-
ANG	Quantity	38	34	10	-	10	-	-	-	-
	Total Obligation Authority	243.994	271.983	96.227	-	96.227	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05001 - Helicopter, Light Utility (LUH)
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A05001 - Helicopter, Light Utility (LUH)	P5, P5A, P21		5,918.164	-	1,373.014	-	39	250.415	-	34	271.983	9,622.700	10	96.227	-	-	-	9,622.700	10	96.227
Total Gross/Weapon System Cost					**1,373.014**			**250.415**			**271.983**			**96.227**			**-**			**96.227**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY14 Base procurement dollars in the amount of $96.227 million support aircraft procurement, fielding, engineering services, training, program office support, and production/retrofit modifications for UH-72A aircraft.

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

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05001 - Helicopter, Light Utility (LUH)	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A05001 - Helicopter, Light Utility (LUH)

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total
Procurement Quantity *(Units in Each)*	-	39	34	10	-	10
Gross/Weapon System Cost *($ in Millions)*	1,373.014	250.415	271.983	96.227	-	96.227
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1,373.014	250.415	271.983	96.227	-	96.227
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,373.014**	**250.415**	**271.983**	**96.227**	**-**	**96.227**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	0.600	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	5,918.164	6,420.897	7,999.500	9,622.700	-	9,622.700

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
† Airframes/Includes non-recurring		-	-	1,165.974	5,375.000	39	209.615	5,239.000	34	178.139	5,482.000	10	54.815	-	-	-	5,482.000	10	54.815
B Kits (MEDEVAC & Hoist)		-	-	15.635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes		-	-	85.793	-	-	13.356	-	-	70.170	-	-	15.862	-	-	-	-	-	15.862
System Engineering & Program Management		-	-	37.725	-	-	7.558	-	-	7.741	-	-	8.315	-	-	-	-	-	8.315
Systems Test & Evaluation		-	-	2.054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Services		-	-	10.281	-	-	2.553	-	-	1.148	-	-	0.683	-	-	-	-	-	0.683
Procedural Trainers		-	-	5.978	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding		-	-	49.550	-	-	17.333	-	-	14.785	-	-	16.552	-	-	-	-	-	16.552
Other program Requirements		-	-	0.024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				*1,373.014*			*250.415*			*271.983*			*96.227*			-			*96.227*
Total Flyaway Cost				*1,373.014*			*250.415*			*271.983*			*96.227*			-			*96.227*
Gross Weapon System Cost				**1,373.014**			**250.415**			**271.983**			**96.227**			**-**			**96.227**

P-5 Remarks:

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05001 - Helicopter, Light Utility (LUH)	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A05001 - Helicopter, Light Utility (LUH)

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Army	Quantity	1	-	-	-	-
	Total Obligation Authority	6.421	-	-	-	-
ANG	Quantity	38	34	10	-	10
	Total Obligation Authority	243.994	271.983	96.227	-	96.227

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05001 - Helicopter, Light Utility (LUH)	**Item Nomenclature:** A05001 - Helicopter, Light Utility (LUH)

Cost Elements († indicates the presence of a P-21)	OCO	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†Airframes/Includes non-recurring		2012	EADS-NA / Columbus, MS	C / FFP	EADS-NA Columbus, MS	Dec 2011	Sep 2012	39	5,375.000			
†Airframes/Includes non-recurring		2013	EADS-NA / Columbus, MS	C / FFP	EADS-NA Columbus, MS	Dec 2012	Sep 2013	34	5,239.000			
†Airframes/Includes non-recurring		2014	EADS-NA / Columbus, MS	C / FFP	EADS-NA Columbus, MS	Dec 2013	Sep 2014	10	5,482.000			

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05001 - Helicopter, Light Utility (LUH)	**Item Nomenclature:** A05001 - Helicopter, Light Utility (LUH)

Cost Elements (Units in Each)							Fiscal Year 2012												Fiscal Year 2013											
										Calendar Year 2012														Calendar Year 2013									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Airframes/Includes non-recurring																														
	1	2012	ARMY (VI)	39	-	39	-	-	A -	-	-	-	-	-	-	-	-	4	4	4	3	3	3	3	3	3	3	3	3		-
	1	2013	ARMY (VII)	34	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	3	31
	1	2014	ARMY (VIII)	10	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05001 - Helicopter, Light Utility (LUH)	**Item Nomenclature:** A05001 - Helicopter, Light Utility (LUH)

Cost Elements (Units in Each)							Fiscal Year 2014												Fiscal Year 2015											
							Calendar Year 2014												Calendar Year 2015												
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Airframes/Includes non-recurring																														
	1	2012	ARMY (VI)	39	39	-																								-
	1	2013	ARMY (VII)	34	3	31	3	3	3	2	3	3	3	3	3	3	2													-
	1	2014	ARMY (VIII)	10	-	10	-	-	A -	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1				-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05001 - Helicopter, Light Utility (LUH)	**Item Nomenclature:** A05001 - Helicopter, Light Utility (LUH)

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR #	MFR Name - Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	EADS-NA - Columbus, MS	20.00	30.00	60.00	-	9	5	14	-	2	9	11

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

Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

Service/Agency Suffixes:

(VI) 39

(VII) 34

(VIII) 10

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	24	27	40	42	-	42	48	48	48	48	303	628
Gross/Weapon System Cost *($ in Millions)*	526.180	560.741	769.879	716.176	-	716.176	832.593	868.645	890.079	893.582	6,351.400	12,409.275
Less PY Advance Procurement *($ in Millions)*	-	160.237	192.764	107.707	-	107.707	150.931	157.338	159.993	158.814	943.506	2,031.290
Net Procurement (P1) *($ in Millions)*	526.180	400.504	577.115	608.469	-	608.469	681.662	711.307	730.086	734.768	5,407.894	10,377.985
Plus CY Advance Procurement *($ in Millions)*	-	192.764	107.707	150.931	-	150.931	157.338	159.993	158.814	160.532	943.506	2,031.585
Total Obligation Authority *($ in Millions)*	**526.180**	**593.268**	**684.822**	**759.400**	**-**	**759.400**	**839.000**	**871.300**	**888.900**	**895.300**	**6,351.400**	**12,409.570**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	21,924.167	20,768.185	19,246.975	17,051.810	-	17,051.810	17,345.688	18,096.771	18,543.313	18,616.292	20,961.716	19.760

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

AH-64E Apache Reman is an aircraft remanufacture program that refurbishes aging Longbow Apaches to extend their service life and upgrades the aircraft with updated technologies and performance enhancements to keep the Apache viable throughout its lifecycle. AH-64E Apache addresses obsolescence and reliability challenges as well as adds significant combat capability to the aircraft. Upgrades include: Unmanned Aircraft System (UAS) Level III-IV Control, Improved Situational Awareness, Upgraded Communications Suite, Improved Drive and Propulsion Systems, Improved Targeting Capability, Increased Computer Processing Capability and Speed, Improved Navigation Systems, and Improved Diagnostics and Maintainability. Upgrades are integrated as incremental block modifications. The program addresses operational shortfalls identified during real-world combat missions and meets Longbow Apache Capability Production Document (CPD) requirements for modernization. AH-64E aircraft enter the fleet in 2012

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	27	40	42	-	42	48	24	48	24
	Total Obligation Authority	593.268	684.822	759.400	-	759.400	839.000	595.000	888.900	619.300
ANG	Quantity	-	-	-	-	-	-	24	-	24
	Total Obligation Authority	-	-	-	-	-	-	276.000	-	276.000

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A05111 - AH-64 Apache Block IIIA Reman	P5, P5A, P21		21,924.167	-	526.180	-	27	560.741	-	40	769.879	17,051.810	42	716.176	-	-	-	17,051.810	42	716.176
Total Gross/Weapon System Cost					**526.180**			**560.741**			**769.879**			**716.176**			**-**			**716.176**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY14 Base procurement dollars in the amount of $608.500 Million supports Advance Procurement, 42 Full Rate Production (FRP) AH-64E Apache Reman aircraft and associated support.

Post Nunn McCurdy re-certification (June 2010), this program was restructured from the single AH-64E Apache (A05111) into two separate programs, AH-64E Apache Reman (A05111) and AH-64E Apache New Build (A05133).

COMPO 1 Active and COMPO 2 National Guard. In FY16 and FY18, 24 aircraft are procured each year to support NGB.

The current AH-64E Apache Remanufacture Acquisition Program Baseline procurement objective is 634 aircraft.

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A05111 - AH-64 Apache Block IIIA Reman

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total
Procurement Quantity *(Units in Each)*	-	27	40	42	-	42
Gross/Weapon System Cost *($ in Millions)*	526.180	560.741	769.879	716.176	-	716.176
Less PY Advance Procurement *($ in Millions)*	-	160.237	192.764	107.707	-	107.707
Net Procurement (P1) *($ in Millions)*	526.180	400.504	577.115	608.469	-	608.469
Plus CY Advance Procurement *($ in Millions)*	-	192.764	107.707	150.931	-	150.931
Total Obligation Authority *($ in Millions)*	**526.180**	**593.268**	**684.822**	**759.400**	**-**	**759.400**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	21,924.167	20,768.185	19,246.975	17,051.810	-	17,051.810

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Flyaway Cost																			
Recurring Cost																			
† CFE		12,821.000	24	307.695	6,783.000	27	183.130	9,453.000	40	378.107	6,783.000	42	284.901	-	-	-	6,783.000	42	284.901
GFE		6,669.000	24	160.059	2,581.000	27	69.700	4,069.000	40	162.763	4,888.000	42	205.295	-	-	-	4,888.000	42	205.295
Engineering Change Orders (ECO)		-	-	-	-	-	-	-	-	10.384	-	-	-	-	-	-	-	-	-
Non-Recurring Costs		-	-	-	-	-	48.167	-	-	9.602	-	-	-	-	-	-	-	-	-
Support Equipment		-	-	32.535	-	-	97.650	-	-	90.176	-	-	89.100	-	-	-	-	-	89.100
Other Costs		-	-	7.410	-	-	160.239	-	-	104.036	-	-	107.680	-	-	-	-	-	107.680
Initial Spares		-	-	18.481	-	-	1.855	-	-	14.811	-	-	29.200	-	-	-	-	-	29.200
Total Recurring Cost				*526.180*			*560.741*			*769.879*			*716.176*			-			*716.176*
Total Flyaway Cost				*526.180*			*560.741*			*769.879*			*716.176*			-			*716.176*
Gross Weapon System Cost				**526.180**			**560.741**			**769.879**			**716.176**			**-**			**716.176**

P-5 Remarks:

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Army	Quantity	27	40	42	-	42
	Total Obligation Authority	593.268	684.822	759.400	-	759.400

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman	**Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman

Cost Elements († indicates the presence of a P-21)	OCO	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†CFE		2012	The Boeing Company / Mesa, AZ	SS / FFP	AMCOM	Jan 2012	Jan 2013	27	6,783.000	N		Jun 2008
†CFE		2013	The Boeing Company / Mesa, AZ	SS / FFP	AMCOM	Apr 2013	Jan 2014	40	9,453.000	N		Jul 2012
†CFE		2014	The Boeing Company / Mesa, AZ	SS / FFP	AMCOM	Jan 2014	Jan 2015	42	6,783.000	N		Jul 2012

Remarks:
Major CFE cost drivers include the Fuselage, Transmission, and Composite Main Rotor Blades. GFE includes engines, EGIs, REUs, and UTAs. Other Cost includes Support Equipment, Peculiar Ground Support (PGSE), and Government In-House.

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman	**Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman

Cost Elements (Units in Each)							Fiscal Year 2012												Fiscal Year 2013										
										Calendar Year 2012														Calendar Year 2013									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
CFE																														
	1	2012	ARMY (IX)	27	-	27	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	3	2	2	2	2	2	2	2	2	8
	1	2013	ARMY (X)	40	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	40
	1	2014	ARMY (XI)	42	-	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman	**Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman

Cost Elements (Units in Each)							Fiscal Year 2014												Fiscal Year 2015										
										Calendar Year 2014														Calendar Year 2015									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
CFE																														
	1	2012	ARMY (IX)	27	19	8	3	3	2																					-
	1	2013	ARMY (X)	40	-	40	-	-	-	1	3	4	3	3	3	4	4	4	4	4	3									-
	1	2014	ARMY (XI)	42	-	42	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	4	4	6
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman	**Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman

Cost Elements (Units in Each)							Fiscal Year 2016												Fiscal Year 2017											
										Calendar Year 2016														Calendar Year 2017									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
CFE																														
	1	2012	ARMY (IX)	27	27	-																								-
	1	2013	ARMY (X)	40	40	-																								-
	1	2014	ARMY (XI)	42	36	6	2	2	2																					-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman	**Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR #	MFR Name - Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	The Boeing Company - Mesa, AZ	48.00	84.00	144.00	-	11	13	24	-	6	12	18

Remarks:

The reduction in the Economical Production Rate of 96 was a number carried forward from prior year submission. 7 aircraft per month (84) is what the Full Rate Production contract requires. This requirement is driven primarily by the production rate associated with current fuselage tooling capabilities. In order to increase the 1-8-5 (single shift) production rate, additional tooling must be procured.

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

Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

Service/Agency Suffixes:

(IX) BASE

(X) BASE

(XI) BASE

Exhibit P-40 Advance Procurement, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	229.490	192.764	107.707	150.931	-	150.931	157.338	159.993	158.814	160.532	943.506	2,261.075
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	229.490	192.764	107.707	150.931	-	150.931	157.338	159.993	158.814	160.532	943.506	2,261.075
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**229.490**	**192.764**	**107.707**	**150.931**	**-**	**150.931**	**157.338**	**159.993**	**158.814**	**160.532**	**943.506**	**2,261.075**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

AH-64E Apache Reman is an aircraft remanufacture program that refurbishes aging Longbow Apaches to extend their service life and upgrades the aircraft with updated technologies and performance enhancements to keep the Apache viable throughout its lifecycle. AH-64E Apache Reman addresses obsolescence and reliability challenges as well as adds significant combat capability to the aircraft. Upgrades include: Unmanned Aircraft System (UAS) Level III-IV Control, Improved Situational Awareness, Upgraded Communications Suite, Improved Drive and Propulsion Systems, Improved Targeting Capability, Increased Computer Processing Capability and Speed, Improved Navigation Systems, and Improved Diagnostics and Maintainability. Upgrades are integrated as incremental block modifications. The program addresses operational shortfalls identified during real-world combat missions and meets Longbow Apache Capability Production Document (CPD) requirements for modernization. AH-64E Apache Reman aircraft enter the fleet in 2012.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	192.764	107.707	150.931	-	150.931	157.338	159.993	158.814	160.532

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A05111 - AH-64 Apache Block IIIA Reman	P10		-	24	229.490	-	27	192.764	-	40	107.707	-	48	150.931	-	-	-	-	48	150.931

Exhibit P-40 Advance Procurement, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
Total Gross/Weapon System Cost					**229.490**			**192.764**			**107.707**			**150.931**			**-**			**150.931**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A05111 - AH-64 Apache Block IIIA Reman	P10		-	48	157.338	-	48	159.993	-	48	158.814	-	48	160.532	-	303	943.506	-	634	2,261.075
Total Gross/Weapon System Cost					**157.338**			**159.993**			**158.814**			**160.532**			**943.506**			**2,261.075**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY 14 Base Advance Procurement dollars in the amount of $150.931 Million supports Advance Procurement items in support of the AH-64E Apache REMAN program.

Post Nunn McCurdy re-certification (June 2010), this program was restructured from the single AH-64E Apache (A05111) into two separate programs, AH-64E Apache Reman (A05111) and AH-64 Apache New Build (A05133).

COMPO 1 Active and National Guard. In FY16 and FY18, 24 aircraft are procured each year to support NGB.

Exhibit P-10, Advance Procurement Requirements Analysis (*page 1 - Budget Funding Justification*): PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman	**Item Nomenclature (*Item Number, Item Name*):** A05111 - AH-64 Apache Block IIIA Reman

ID Code (A=Service Ready, B=Not Service Ready) :		
First System (2014) Award Date: July 2009	**First System (2014) Completion Date:** November 2011	**Interval Between Systems:** 1 Months

	Prior Years (Each)	FY 2012 (Each)	FY 2013 (Each)	FY 2014 (Each)	FY 2015 (Each)	FY 2016 (Each)	FY 2017 (Each)	FY 2018 (Each)	To Complete (Each)	Total (Each)
End Item Quantity	24	27	40	48	48	48	48	48	303	634

Description:

Cost Element	Procurement Leadtime (Months)	When Rqd (Months)	All Prior Years ($ M)	FY 2012 ($ M)	FY 2013 ($ M)	FY 2014 ($ M)	FY 2015 ($ M)	FY 2016 ($ M)	FY 2017 ($ M)	FY 2018 ($ M)	To Complete ($ M)	Total ($ M)
Other												
Apache Block III - Reman	12	12	229.490	192.764	107.707	150.931	157.338	159.993	158.814	160.532	943.506	2,261.075
Other Subtotal			*229.490*	*192.764*	*107.707*	*150.931*	*157.338*	*159.993*	*158.814*	*160.532*	*943.506*	*2,261.075*
Total Advance Procurement/Obligation Authority			**229.490**	**192.764**	**107.707**	**150.931**	**157.338**	**159.993**	**158.814**	**160.532**	**943.506**	**2,261.075**

Exhibit P-10, Advance Procurement Requirements Analysis (*page 2 - Budget Funding Justification*): PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05111 - AH-64 Apache Block IIIA Reman	**Item Nomenclature (*Item Name, Item Number*):** A05111 - AH-64 Apache Block IIIA Reman

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

	FY 2014		
	Unit Cost *($ K)*	**Qty** *(Each)*	**Total Cost Request** *($ M)*
End Item	-	48	150.931

		FY 2014				
Cost Elements	**QPA** *(Each)*	**Procurement Leadtime** *(Months)*	**Unit Cost** *($ K)*	**Qty** *(Each)*	**Contract Forecast Date**	**Total Cost Request** *($ M)*
Other						
Apache Block III - Reman	-	12	-	-	Dec 2012	150.931

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05133 - AH-64 Apache Block IIIB New Build
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	10	-	-	-	-	-	-	-	45	55
Gross/Weapon System Cost *($ in Millions)*	-	84.264	329.256	-	-	-	-	-	-	-	2,482.221	2,895.741
Less PY Advance Procurement *($ in Millions)*	-	-	104.263	-	-	-	-	-	-	-	573.728	677.991
Net Procurement (P1) *($ in Millions)*	-	84.264	224.993	-	-	-	-	-	-	-	1,908.493	2,217.750
Plus CY Advance Procurement *($ in Millions)*	-	-	146.121	-	-	-	-	-	-	-	573.728	719.849
Total Obligation Authority *($ in Millions)*	**-**	**84.264**	**371.114**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2,482.221**	**2,937.599**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	32,925.600	-	-	-	-	-	-	-	55,160.467	52.650

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

AH-64E Apache New Build is based on the AH-64E Reman program which is an aircraft remanufacture program that refurbishes aging Longbow Apaches to extend their service life and upgrades the aircraft with updated technologies and performance enhancements to keep the Apache viable throughout its lifecycle. While AB3A remanufactures aircraft in production, AB3B assembles all new components resulting in completely new aircraft at the end of the production process. New aircraft fill shortages in the Apache fleet due to combat losses.

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A05133 - AH-64 Apache Block IIIB New Build	P5, P5A, P21		-	-	-	-	-	84.264	-	10	329.256	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost					**-**			**84.264**			**329.256**			**-**			**-**			**-**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

The current AH-64E New Build Acquisition Program Baseline (APB) procurement objective is 56 aircraft. The 8 Base aircraft procured in FY13 will support an increase in the training base capacity. The remaining 48 aircraft will fill shortages due to the establishment of a new heavy Active Component Combat Aviation Brigade (CAB) in CY2014. Advanced procurement of those aircraft begins in FY19.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05133 - AH-64 Apache Block IIIB New Build	
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**	**Other Related Program Elements:**
MDAP/MAIS Code(s):		

The WRA are not included in the 56 New Build aircraft for the additional CAB and the training base increase.

Post Nunn McCurdy re-certification (June 2010). This program was restructured from the single AH-64 Block III (A05111) into two separate programs, AH-64 Apache Block IIIA Reman (A05111) and AH-64 Apache Block IIIB New Build (A05133).

All COMPO 1 Active

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05133 - AH-64 Apache Block IIIB New Build	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A05133 - AH-64 Apache Block IIIB New Build

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total
Procurement Quantity *(Units in Each)*	-	-	10	-	-	-
Gross/Weapon System Cost *($ in Millions)*	-	84.264	329.256	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	104.263	-	-	-
Net Procurement (P1) *($ in Millions)*	-	84.264	224.993	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	146.121	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**84.264**	**371.114**	**-**	**-**	**-**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	32,925.600	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
† CFE		-	-	-	-	-	84.264	19,069.000	10	194.462	-	-	-	-	-	-	-	-	-
GFE		-	-	-	-	-	-	9,117.000	10	92.990	-	-	-	-	-	-	-	-	-
Engineering Change Orders (ECO)		-	-	-	-	-	-	-	-	17.517	-	-	-	-	-	-	-	-	-
Non-Recurring Costs		-	-	-	-	-	-	-	-	17.131	-	-	-	-	-	-	-	-	-
Support Equipment		-	-	-	-	-	-	-	-	7.156	-	-	-	-	-	-	-	-	-
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
War Replacement Aircraft		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			*84.264*			*329.256*			-			-			-
Total Flyaway Cost				-			*84.264*			*329.256*			-			-			-
Gross Weapon System Cost				**-**			**84.264**			**329.256**			**-**			**-**			**-**

P-5 Remarks:

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05133 - AH-64 Apache Block IIIB New Build	**Item Nomenclature:** A05133 - AH-64 Apache Block IIIB New Build

Cost Elements († indicates the presence of a P-21)	OCO	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†CFE		2013	The Boeing Company / Mesa	SS / FFP	AMCOM	Apr 2013	Jan 2014	10	19,069.000	N		Jul 2012

Remarks:
Major CFE cost drivers include the Fuselage, Transmission, and Composite Main Rotor Blades. GFE includes engines, EGIs, REUs, and UTAs. Other Cost includes Support Equipment, Peculiar Ground Support (PGSE), and Government In-House.

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05133 - AH-64 Apache Block IIIB New Build	**Item Nomenclature:** A05133 - AH-64 Apache Block IIIB New Build

Cost Elements (Units in Each)							Fiscal Year 2013												Fiscal Year 2014											
										Calendar Year 2013														Calendar Year 2014									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
CFE																														
	1	2013	ARMY	10	-	10	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	2	2	2	2	2				-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05133 - AH-64 Apache Block IIIB New Build	**Item Nomenclature:** A05133 - AH-64 Apache Block IIIB New Build

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR #	MFR Name - Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	The Boeing Company - Mesa	48.00	84.00	144.00	-	11	13	24	-	6	12	18

Remarks:

The reduction in the Economical Production Rate of 96 was a number carried forward from prior year submission. 7 aircraft per month (84) is what the Full Rate Production contract requires. This requirement is driven primarily by the production rate associated with current fuselage tooling capabilities. In order to increase the 1-8-5 (single shift) production rate, additional tooling must be procured.

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

Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

Exhibit P-40 Advance Procurement, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05133 - AH-64 Apache Block IIIB New Build
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	-	84.264	146.121	-	-	-	-	-	-	-	573.728	804.113
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	84.264	146.121	-	-	-	-	-	-	-	573.728	804.113
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**84.264**	**146.121**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**573.728**	**804.113**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

AH-64E Apache New Build is based on the AH-64E Apache Reman program which is an aircraft remanufacture program that refurbishes aging Longbow Apaches to extend their service life and upgrades the aircraft with updated technologies and performance enhancements to keep the Apache viable throughout its lifecycle. While AB3A remanufactures aircraft in production, AB3B assembles all new components resulting in completely new aircraft at the end of the production process. New aircraft fill shortages in the Apache fleet due to combat losses.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	10	-	-	-	-	-	-	-
	Total Obligation Authority	84.264	371.114	-	-	-	-	-	-	-

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A05133 - AH-64 Apache Block IIIB New Build	P10		-	0	-	-	-	84.264	-	8	146.121	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost					**-**			**84.264**			**146.121**			**-**			**-**			**-**

Exhibit P-40 Advance Procurement, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05133 - AH-64 Apache Block IIIB New Build
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A05133 - AH-64 Apache Block IIIB New Build	P10		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	230.385
Total Gross/Weapon System Cost					**-**			**-**			**-**			**-**			**573.728**			**804.113**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

The current AH-64E Apache New Build Acquisition Program Baseline (APB) procurement objective is 56 aircraft. The 8 Base aircraft procured in FY13 will support an increase in the training base capacity. There are not any FY14 Base Advance Procurement dollars. The remaining 48 aircraft will fill shortages due to the establishment of a new heavy Active Component Combat Aviation Brigade (CAB) in CY2014. Advanced procurement of those aircraft begins in FY19.

Post Nunn McCurdy re-certification (June 2010), this program was restructured from the single AH-64 Block III (A05111) into two separate programs, AH-64 Apache Block IIIA Reman (A05111) and AH-64 Apache Block IIIB New Build (A05133).

Exhibit P-10, Advance Procurement Requirements Analysis (*page 1 - Budget Funding Justification*): PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05133 - AH-64 Apache Block IIIB New Build	**Item Nomenclature (*Item Number, Item Name*):** A05133 - AH-64 Apache Block IIIB New Build

ID Code (A=Service Ready, B=Not Service Ready) :		
First System (2014) Award Date: July 2009	**First System (2014) Completion Date:** November 2011	**Interval Between Systems:** 1 Months

	Prior Years *(Each)*	FY 2012 *(Each)*	FY 2013 *(Each)*	FY 2014 *(Each)*	FY 2015 *(Each)*	FY 2016 *(Each)*	FY 2017 *(Each)*	FY 2018 *(Each)*	To Complete *(Each)*	Total *(Each)*
End Item Quantity	0	-	8	-	-	-	-	-	-	8

Description:

Cost Element	Procurement Leadtime *(Months)*	When Rqd *(Months)*	All Prior Years *($ M)*	FY 2012 *($ M)*	FY 2013 *($ M)*	FY 2014 *($ M)*	FY 2015 *($ M)*	FY 2016 *($ M)*	FY 2017 *($ M)*	FY 2018 *($ M)*	To Complete *($ M)*	Total *($ M)*
Other												
AH-64E Apache New Build	12	12	-	84.264	146.121	-	-	-	-	-	-	230.385
Other Subtotal			-	*84.264*	*146.121*	-	-	-	-	-	-	*230.385*
Total Advance Procurement/Obligation Authority			**-**	**84.264**	**146.121**	**-**	**-**	**-**	**-**	**-**	**-**	**230.385**

Exhibit P-10, Advance Procurement Requirements Analysis (*page 2 - Budget Funding Justification*): PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05133 - AH-64 Apache Block IIIB New Build	**Item Nomenclature (*Item Name, Item Number*):** A05133 - AH-64 Apache Block IIIB New Build

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

	FY 2014		
	Unit Cost *($ K)*	**Qty** *(Each)*	**Total Cost Request** *($ M)*
End Item	-	-	-

		FY 2014				
Cost Elements	**QPA** *(Each)*	**Procurement Leadtime** *(Months)*	**Unit Cost** *($ K)*	**Qty** *(Each)*	**Contract Forecast Date**	**Total Cost Request** *($ M)*
Other						
AH-64E Apache New Build	-	12	-	-	Dec 2012	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A02345 - Kiowa Warrior WRA
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	9	16	-	-	-	-	-	-	-	-	25
Gross/Weapon System Cost *($ in Millions)*	-	112.800	183.900	-	-	-	-	-	-	-	-	296.700
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	112.800	183.900	-	-	-	-	-	-	-	-	296.700
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**112.800**	**183.900**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**296.700**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	12,533.333	11,493.750	-	-	-	-	-	-	-	-	11.868

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The Kiowa Warrior is a two-seat, single-engine, observation, scout/attack helicopter with four main rotor blades. It utilizes a thermal-imaging system and a laser rangefinder/designator in a mast-mounted sight situated above the main rotor system. The aircraft is equipped with a variety of weapon systems including: HELLFIRE, 2.75-inch rockets, and a .50-caliber machine gun. The aircraft operates autonomously and teamed with other manned and unmanned aerial systems at standoff ranges providing armed reconnaissance, command and control, and target acquisition/designation for Apache helicopters and other airborne weapons platforms in day, night, and adverse weather conditions.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	9	16	-	-	-	-	-	-	-
	Total Obligation Authority	112.800	183.900	-	-	-	-	-	-	-

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A02345 - Kiowa Warrior WRA	P5, P5A, P21		-	-	-	-	9	112.800	-	16	183.900	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost					**-**			**112.800**			**183.900**			**-**			**-**			**-**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	P-1 Line Item Nomenclature: A02345 - Kiowa Warrior WRA	
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
MDAP/MAIS Code(s):		

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

Justification:

Procures Wartime Replacement Aircraft (WRA) lost during Overseas Contingency Operations (OCO) and returns the fleet to Army authorized levels for MTOE,TDA, and ORF of 368.

OCO funding will procure Wartime Replacement Aircraft (in addition to FY 2010-2011 funds identified in OSIP 2-10-01-0118 in Kiowa Warrior AZ2200) for those lost during Overseas Contingency Operations. Bell Helicopter Textron Incorporated is producing cabins which will be delivered to Corpus Christi Army Depot (CCAD). CCAD will mount all remaining structure, equipment, and modifications which have been applied to the current fleet. CCAD will then conduct ground/flight test and acceptance of the aircraft.

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

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A02345 - Kiowa Warrior WRA	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A02345 - Kiowa Warrior WRA

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total
Procurement Quantity *(Units in Each)*	-	9	16	-	-	-
Gross/Weapon System Cost *($ in Millions)*	-	112.800	183.900	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	112.800	183.900	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**112.800**	**183.900**	**-**	**-**	**-**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	12,533.333	11,493.750	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
† BHTI - Cabins		-	-	-	4,578.000	9	41.198	5,092.000	16	81.472	-	-	-	-	-	-	-	-	-
CCAD - Flight Test & Aircraft Acceptance		-	-	-	-	-	6.314	-	-	8.866	-	-	-	-	-	-	-	-	-
GFE / Hardware		-	-	-	-	-	61.121	-	-	88.758	-	-	-	-	-	-	-	-	-
Program Support		-	-	-	-	-	4.167	-	-	4.804	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			*112.800*			*183.900*			-			-			-
Total Flyaway Cost				-			*112.800*			*183.900*			-			-			-
Gross Weapon System Cost				**-**			**112.800**			**183.900**			**-**			**-**			**-**

P-5 Remarks:

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Army	Quantity	9	16	-	-	-
	Total Obligation Authority	112.800	183.900	-	-	-

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A02345 - Kiowa Warrior WRA	**Item Nomenclature:** A02345 - Kiowa Warrior WRA

Cost Elements († indicates the presence of a P-21)	OCO	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†BHTI - Cabins		2012	BELL HELICOPTER TEXTRON INC / FORT WORTH, TEXAS	C / FFP	AMCOM, Redstone Arsenal, AL	Aug 2012	Mar 2014	9	4,578.000			
†BHTI - Cabins		2013	Bell Helicopter Textron, Inc. / Fort Worth, Texas	C / FFP	AMCOM, Redstone Arsenal, AL	Jun 2013	Jun 2015	16	5,092.000			

Remarks:

Bell Helicopter Textron Incorporated (BHTI) will produce cabins in Amarillo, Texas and deliver to Corpus Christi Army Depot (CCAD) in Corpus Christi, Texas. CCAD will mount all remaining structure, equipment, and modifications which have been applied to the current fleet. CCAD will then conduct ground/flight test and acceptance of the aircraft. Unit cost reflects BHTI cabins only.

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A02345 - Kiowa Warrior WRA	**Item Nomenclature:** A02345 - Kiowa Warrior WRA

Cost Elements (Units in Each)							Fiscal Year 2012												Fiscal Year 2013											
										Calendar Year 2012														Calendar Year 2013									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
BHTI - Cabins																														
	1	2012	ARMY (XII)	9	-	9	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	9
	2	2013	ARMY (XIII)	16	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	16
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A02345 - Kiowa Warrior WRA	**Item Nomenclature:** A02345 - Kiowa Warrior WRA

Cost Elements (Units in Each)							Fiscal Year 2014												Fiscal Year 2015												
										Calendar Year 2014														Calendar Year 2015									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
BHTI - Cabins																															
	1	2012	ARMY (XII)	9	-	9	-	-	-	-	-	1	-	1	-	1	-	1	-	1	-	1	-	1	1	1						-
	2	2013	ARMY (XIII)	16	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	12
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A02345 - Kiowa Warrior WRA	**Item Nomenclature:** A02345 - Kiowa Warrior WRA

Cost Elements (Units in Each)							Fiscal Year 2016												Fiscal Year 2017											
							Calendar Year 2016															Calendar Year 2017									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
BHTI - Cabins																														
	1	2012	ARMY (XII)	9	9	-																								-
	2	2013	ARMY (XIII)	16	4	12	1	1	1	1	2	2	2	2																-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A02345 - Kiowa Warrior WRA	**Item Nomenclature:** A02345 - Kiowa Warrior WRA

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR #	MFR Name - Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	BELL HELICOPTER TEXTRON INC - FORT WORTH, TEXAS	1.00	2.00	3.00	-	10	-	10	-	-	-	-
2	Bell Helicopter Textron, Inc. - Fort Worth, Texas	1.00	2.00	3.00	-	8	-	8	-	-	-	-

"A" in the Delivery Schedule indicated the Contract Award Date.
Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

Service/Agency Suffixes:

(XII) OCO

(XIII) OCO

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** AA0005 - UH-60 Blackhawk M Model (MYP)
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	420	89	74	65	-	65	65	89	35	34	538	1,409
Gross/Weapon System Cost *($ in Millions)*	7,305.169	1,597.728	1,304.979	1,155.187	-	1,155.187	1,157.197	1,402.663	677.816	733.385	13,138.252	28,472.376
Less PY Advance Procurement *($ in Millions)*	634.727	99.962	197.892	108.211	-	108.211	119.545	137.385	135.761	-	1,654.507	3,087.990
Net Procurement (P1) *($ in Millions)*	6,670.442	1,497.766	1,107.087	1,046.976	-	1,046.976	1,037.652	1,265.278	542.055	733.385	11,483.745	25,384.386
Plus CY Advance Procurement *($ in Millions)*	718.672	199.781	115.113	116.001	-	116.001	132.138	135.761	251.669	-	1,402.838	3,071.973
Total Obligation Authority *($ in Millions)*	**7,389.114**	**1,697.547**	**1,222.200**	**1,162.977**	**-**	**1,162.977**	**1,169.790**	**1,401.039**	**793.724**	**733.385**	**12,886.583**	**28,456.359**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	17,393.260	17,952.000	17,634.851	17,772.108	-	17,772.108	17,803.031	15,760.258	19,366.171	21,570.147	24,420.543	20.208

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The UH-60 BLACK HAWK is a twin engine, single rotor helicopter that is designed to support the Army's air mobility doctrine for employment of land forces in the 21st century. The BLACK HAWK is used in the performance of the Air Assault, General Support, and Aeromedical Evacuation missions. It is designed to carry a crew of four and 11 combat-equipped troops, or an external load up to 9,000 pounds. It performs the missions of transporting troops and equipment into combat, resupplying the troops while in combat, and performing the associated functions of aeromedical evacuation, repositioning of reserves, and command and control.

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A05002 - UH-60 BLACK HAWK (MYP)	P5, P5A, P21		17,393.260	-	7,305.169	-	89	1,597.728	-	74	1,304.979	17,772.108	65	1,155.187	-	-	-	17,772.108	65	1,155.187
Total Gross/Weapon System Cost					**7,305.169**			**1,597.728**			**1,304.979**			**1,155.187**			**-**			**1,155.187**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY 2014 Base funding in the amount of $1,162.977 million will procure 65 aircraft.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** AA0005 - UH-60 Blackhawk M Model (MYP)	
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**	**Other Related Program Elements:**
MDAP/MAIS Code(s):		

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

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** AA0005 - UH-60 Blackhawk M Model (MYP)	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A05002 - UH-60 BLACK HAWK (MYP)

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total
Procurement Quantity *(Units in Each)*	-	89	74	65	-	65
Gross/Weapon System Cost *($ in Millions)*	7,305.169	1,597.728	1,304.979	1,155.187	-	1,155.187
Less PY Advance Procurement *($ in Millions)*	634.727	99.962	197.892	108.211	-	108.211
Net Procurement (P1) *($ in Millions)*	6,670.442	1,497.766	1,107.087	1,046.976	-	1,046.976
Plus CY Advance Procurement *($ in Millions)*	718.672	199.781	115.113	116.001	-	116.001
Total Obligation Authority *($ in Millions)*	**7,389.114**	**1,697.547**	**1,222.200**	**1,162.977**	**-**	**1,162.977**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	17,393.260	17,952.000	17,634.851	17,772.108	-	17,772.108

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
† Airframes/CFE		12,235.000	420	5,138.494	11,184.000	89	995.347	11,574.000	74	856.475	11,855.000	65	770.601	-	-	-	11,855.000	65	770.601
Engines/Accessories		-	-	557.137	706.000	178	125.686	711.000	148	105.188	725.000	130	94.300	-	-	-	725.000	130	94.300
Avionics (GFE)		-	-	245.465	-	-	67.395	-	-	49.799	-	-	46.766	-	-	-	-	-	46.766
Other GFE		-	-	191.363	-	-	24.999	-	-	22.373	-	-	22.188	-	-	-	-	-	22.188
ECO (All FLYAWAY Components)		-	-	142.977	-	-	42.926	-	-	32.042	-	-	31.910	-	-	-	-	-	31.910
Other Costs (Mission Equipment)		-	-	310.660	-	-	58.059	-	-	52.168	-	-	52.092	-	-	-	-	-	52.092
Tooling Equipment		-	-	80.262	-	-	16.424	-	-	0.794	-	-	0.009	-	-	-	-	-	0.009
Other Nonrecurring Cost		-	-	102.977	-	-	19.406	-	-	1.195	-	-	1.068	-	-	-	-	-	1.068
Peculiar Training Equipment		-	-	143.707	-	-	101.077	-	-	56.449	-	-	30.205	-	-	-	-	-	30.205
Publications/Tech Data		-	-	14.059	-	-	3.096	-	-	3.184	-	-	3.283	-	-	-	-	-	3.283
PM Administration		-	-	198.515	-	-	39.752	-	-	40.630	-	-	41.352	-	-	-	-	-	41.352
Fielding		-	-	179.553	-	-	103.561	-	-	84.682	-	-	61.413	-	-	-	-	-	61.413
Total Recurring Cost				*7,305.169*			*1,597.728*			*1,304.979*			*1,155.187*			-			*1,155.187*
Total Flyaway Cost				*7,305.169*			*1,597.728*			*1,304.979*			*1,155.187*			-			*1,155.187*
Gross Weapon System Cost				**7,305.169**			**1,597.728**			**1,304.979**			**1,155.187**			**-**			**1,155.187**

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** AA0005 - UH-60 Blackhawk M Model (MYP)	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A05002 - UH-60 BLACK HAWK (MYP)

P-5 Remarks:

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Army	Quantity	89	74	35	-	35
	Total Obligation Authority	1,697.547	1,222.200	611.736	-	611.736
ANG	Quantity	-	-	30	-	30
	Total Obligation Authority	-	-	551.241	-	551.241

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** AA0005 - UH-60 Blackhawk M Model (MYP)	**Item Nomenclature:** A05002 - UH-60 BLACK HAWK (MYP)

Cost Elements († indicates the presence of a P-21)	OCO	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†Airframes/CFE		2012	Sikorsky Aircraft / Stratford CT	SS / FP	AMCOM	Jul 2012	Jul 2012	89	11,184.000	N		Jan 2010
†Airframes/CFE		2013	Sikorsky Aircraft / Stratford CT	SS / FP	AMCOM	Jan 2013	Jul 2013	74	11,574.000	N		Jan 2010
†Airframes/CFE		2014	Sikorsky Aircraft / Stratford CT	SS / FP	AMCOM	Jan 2014	Jul 2014	65	11,855.000	N		Jan 2010

Remarks:

FY 2012 begins the next five (5) year multi-year, multi-service contract for the H-60Ms.

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

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

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** AA0005 - UH-60 Blackhawk M Model (MYP)	**Item Nomenclature:** A05002 - UH-60 BLACK HAWK (MYP)

Cost Elements (Units in Each)							Fiscal Year 2012													Fiscal Year 2013										
										Calendar Year 2012														Calendar Year 2013									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Airframes/CFE																														
	1	2012	ARMY	89	-	89	-	-	-	-	-	-	-	-	-	A1	2	10	4	11	14	1	2	7	6	6	7	-	-	-	18
	1	2012	◆ NAVY	42	-	42	-	-	-	-	-	-	-	-	-	2	1	2	1	2	1	7	-	4	3	4	4	1	2	2	6
	1	2012	◆ AF	15	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4	4	3
	1	2012	◆ FMS	12	-	12	-	-	-	-	-	-	-	-	-	-	-	-	3	1	1	2	2	-	2	1	-	-	-	-	-
	1	**2012**	**TOTAL**	**158**	**-**	**158**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3**	**3**	**12**	**8**	**14**	**16**	**10**	**4**	**11**	**11**	**11**	**13**	**3**	**6**	**6**	**27**
	1	2013	ARMY (XIV)	74	-	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	6	6	6	56
	1	2013	◆ NAVY (XV)	37	-	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	32
	1	2013	◆ FMS (XVI)	14	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	8
	1	**2013**	**TOTAL**	**125**	**-**	**125**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**10**	**9**	**10**	**96**
	1	2014	ARMY	65	-	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65
	1	2014	◆ NAVY	37	-	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37
	1	2014	◆ FMS	16	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
	1	**2014**	**TOTAL**	**118**	**-**	**118**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**118**
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** AA0005 - UH-60 Blackhawk M Model (MYP)	**Item Nomenclature:** A05002 - UH-60 BLACK HAWK (MYP)

Cost Elements (Units in Each)							Fiscal Year 2014													Fiscal Year 2015										
							Calendar Year 2014													Calendar Year 2015											
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Airframes/CFE																														
	1	2012	ARMY	89	71	18	1	4	2	3	2	2	2	2																-
	1	2012	◆ NAVY	42	36	6	2	2	2	-	-	-	-	-																-
	1	2012	◆ AF	15	12	3	1	2	-	-	-	-	-	-																-
	1	2012	◆ FMS	12	12	-	-	-	-	-	-	-	-	-																-
	1	**2012**	**TOTAL**	**158**	**131**	**27**	**4**	**8**	**4**	**3**	**2**	**2**	**2**	**2**																**-**
	1	2013	ARMY (XIV)	74	18	56	6	6	6	6	6	6	6	6	5	1	-	1	-	1	-										-
	1	2013	◆ NAVY (XV)	37	5	32	1	2	1	4	3	4	2	3	2	1	2	2	3	1	1										-
	1	2013	◆ FMS (XVI)	14	6	8	1	-	1	1	-	1	1	2	1	-	-	-	-	-	-										-
	1	**2013**	**TOTAL**	**125**	**29**	**96**	**8**	**8**	**8**	**11**	**9**	**11**	**9**	**11**	**8**	**2**	**2**	**3**	**3**	**2**	**1**										**-**
	1	2014	ARMY	65	-	65	-	-	-	A -	-	-	-	-	-	5	6	5	6	5	6	5	5	6	5	6	5	-	-	-	-
	1	2014	◆ NAVY	37	-	37	-	-	-	-	-	-	-	-	-	2	1	2	1	2	1	4	2	4	3	3	3	2	2	2	3
	1	2014	◆ FMS	16	-	16	-	-	-	-	-	-	-	-	-	2	1	2	1	2	2	1	1	1	1	1	1	-	-	-	-
	1	**2014**	**TOTAL**	**118**	**-**	**118**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**9**	**8**	**9**	**8**	**9**	**9**	**10**	**8**	**11**	**9**	**10**	**9**	**2**	**2**	**2**	**3**
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** AA0005 - UH-60 Blackhawk M Model (MYP)	**Item Nomenclature:** A05002 - UH-60 BLACK HAWK (MYP)

Cost Elements (Units in Each)							Fiscal Year 2016												Fiscal Year 2017											
										Calendar Year 2016														Calendar Year 2017									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Airframes/CFE																														
	1	2012	ARMY	89	89	-																								-
	1	2012	◆ NAVY	42	42	-																								-
	1	2012	◆ AF	15	15	-																								-
	1	2012	◆ FMS	12	12	-																								-
	1	**2012**	**TOTAL**	**158**	**158**	**-**																								**-**
	1	2013	ARMY (XIV)	74	74	-																								-
	1	2013	◆ NAVY (XV)	37	37	-																								-
	1	2013	◆ FMS (XVI)	14	14	-																								-
	1	**2013**	**TOTAL**	**125**	**125**	**-**																								**-**
	1	2014	ARMY	65	65	-	-	-	-																					-
	1	2014	◆ NAVY	37	34	3	1	1	1																					-
	1	2014	◆ FMS	16	16	-	-	-	-																					-
	1	**2014**	**TOTAL**	**118**	**115**	**3**	**1**	**1**	**1**																					**-**
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** AA0005 - UH-60 Blackhawk M Model (MYP)	**Item Nomenclature:** A05002 - UH-60 BLACK HAWK (MYP)

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR #	MFR Name - Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Sikorsky Aircraft - Stratford CT	18.00	96.00	150.00	8	3	6	9	-	3	6	9

‡ Delivery rows marked with the ◆ symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.
"A" in the Delivery Schedule indicated the Contract Award Date.
Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

Service/Agency Suffixes:

(XIV) BASE

(XV) BASE

(XVI) BASE

Exhibit P-40 Advance Procurement, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** AA0005 - UH-60 Blackhawk M Model (MYP)
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	718.672	199.781	115.113	116.001	-	116.001	132.138	135.761	251.669	-	1,402.838	3,071.973
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	718.672	199.781	115.113	116.001	-	116.001	132.138	135.761	251.669	-	1,402.838	3,071.973
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**718.672**	**199.781**	**115.113**	**116.001**	**-**	**116.001**	**132.138**	**135.761**	**251.669**	**-**	**1,402.838**	**3,071.973**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The Advance Procurement for the UH-60 BLACK HAWK contains funding for the airframe and engine contracts as well as funding for Government Furnished Equipment (GFE) to support the UH-60 aircraft and mission kit production. GFE (in addition to the engine) currently requiring advance procurement includes numerous communication, navigation, and Aircraft Survivability Equipment items procured by the Communications and Electronics Command (CECOM).

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
AA0005 - UH-60 Blackhawk M Model (MYP)	P10		-	332	718.672	-	36	199.781	-	39	115.113	-	65	116.001	-	-	-	-	65	116.001
Total Gross/Weapon System Cost					**718.672**			**199.781**			**115.113**			**116.001**			**-**			**116.001**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
AA0005 - UH-60 Blackhawk M Model (MYP)	P10		-	65	132.138	-	89	135.761	-	35	251.669	-	-	-	-	-	1,402.838	-	661	3,071.973

Exhibit P-40 Advance Procurement, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** AA0005 - UH-60 Blackhawk M Model (MYP)
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
Total Gross/Weapon System Cost					132.138			135.761			251.669			-			1,402.838			3,071.973

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY 2014 procures long lead and Economic Order Quantities (EOQ) items such as T700-GE-701D engines and avionics components for the FY 2012-FY 2016 multiyear contract.

Exhibit P-10, Advance Procurement Requirements Analysis (*page 1 - Budget Funding Justification*): PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** AA0005 - UH-60 Blackhawk M Model (MYP)	**Item Nomenclature (*Item Number, Item Name*):** AA0005 - UH-60 Blackhawk M Model (MYP)

ID Code (A=Service Ready, B=Not Service Ready) :		
First System (2014) Award Date: May 2005	**First System (2014) Completion Date:** June 2006	**Interval Between Systems:** 18 Months

	Prior Years (Each)	FY 2012 (Each)	FY 2013 (Each)	FY 2014 (Each)	FY 2015 (Each)	FY 2016 (Each)	FY 2017 (Each)	FY 2018 (Each)	To Complete (Each)	Total (Each)
End Item Quantity	332	36	39	65	65	89	35	-	-	661

Description:

Cost Element	Procurement Leadtime (Months)	When Rqd (Months)	All Prior Years ($ M)	FY 2012 ($ M)	FY 2013 ($ M)	FY 2014 ($ M)	FY 2015 ($ M)	FY 2016 ($ M)	FY 2017 ($ M)	FY 2018 ($ M)	To Complete ($ M)	Total ($ M)
Other												
CFE Airframe	18	6	323.033	147.041	36.730	35.205	33.984	62.173	164.016	-	-	802.182
Auxiliary Power Unit	6	3	17.012	2.570	3.820	4.133	5.021	3.764	4.482	-	-	40.802
Engines	14	3	278.946	41.860	62.213	63.301	76.901	57.654	68.674	-	-	649.549
EGI	12	3	44.809	6.380	9.482	10.259	12.463	9.344	11.131	-	-	103.868
Heads Up Display AVS-7	9	3	13.860	1.930	2.868	3.103	3.769	2.826	3.366	-	-	31.722
Hover Infrared Suppressor	14	3	25.361	-	-	-	-	-	-	-	-	25.361
Miscellaneous	12	3	15.651	-	-	-	-	-	-	-	1,402.838	1,418.489
Other Subtotal			*718.672*	*199.781*	*115.113*	*116.001*	*132.138*	*135.761*	*251.669*	*-*	*1,402.838*	*3,071.973*
Total Advance Procurement/Obligation Authority			**718.672**	**199.781**	**115.113**	**116.001**	**132.138**	**135.761**	**251.669**	**-**	**1,402.838**	**3,071.973**

Exhibit P-10, Advance Procurement Requirements Analysis (*page 2 - Budget Funding Justification*): PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** AA0005 - UH-60 Blackhawk M Model (MYP)	**Item Nomenclature (*Item Name, Item Number*):** AA0005 - UH-60 Blackhawk M Model (MYP)

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

	FY 2014		
	Unit Cost *($ K)*	**Qty** *(Each)*	**Total Cost Request** *($ M)*
End Item	-	65	116.001

		FY 2014				
Cost Elements	**QPA** *(Each)*	**Procurement Leadtime** *(Months)*	**Unit Cost** *($ K)*	**Qty** *(Each)*	**Contract Forecast Date**	**Total Cost Request** *($ M)*
Other						
CFE Airframe	1	18	-	-	Dec 2012	35.205
Auxiliary Power Unit	1	6	-	-	Dec 2012	4.133
Engines	2	14	-	-	Dec 2012	63.301
EGI	2	12	-	-	Dec 2012	10.259
Heads Up Display AVS-7	1	9	-	-	Dec 2012	3.103
Hover Infrared Suppressor	-	14	-	-	Dec 2012	-
Miscellaneous	-	12	-	-	Dec 2012	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	122	45	44	28	-	28	30	39	27	2	45	382
Gross/Weapon System Cost *($ in Millions)*	3,276.004	1,305.718	1,428.292	884.996	-	884.996	915.299	1,174.446	846.945	164.018	952.213	10,947.931
Less PY Advance Procurement *($ in Millions)*	83.279	66.358	120.956	83.346	-	83.346	98.376	102.361	102.134	-	8.707	665.517
Net Procurement (P1) *($ in Millions)*	3,192.725	1,239.360	1,307.336	801.650	-	801.650	816.923	1,072.085	744.811	164.018	943.506	10,282.414
Plus CY Advance Procurement *($ in Millions)*	149.637	120.956	83.346	98.376	-	98.376	102.361	102.134	8.707	-	*.***	665.517
Total Obligation Authority *($ in Millions)*	**3,342.362**	**1,360.316**	**1,390.682**	**900.026**	**-**	**900.026**	**919.284**	**1,174.219**	**753.518**	**164.018**	**943.506**	**10,947.931**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	26,852.492	29,015.956	32,461.182	31,607.000	-	31,607.000	30,509.967	30,114.000	31,368.333	82,009.000	21,160.289	28.660

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The CH-47F Chinook is a twin-turbine, tandem-rotor, heavy-lift transport helicopter with a useful load of up to 25,000 pounds. As the Army's only heavy lift helicopter, the CH-47F Improved Cargo helicopter is an essential component of the Army Future Force. The mission of the CH-47F is to transport troops (including air assault), supplies, weapons, and other cargo in general support operations. The CH-47F is vital to Overseas Contingency Operations and Homeland Security needs of our nation. Secondary missions include medical evacuation, aircraft recovery, parachute drops, disaster relief, and search and rescue. These aircraft are fielded to heavy helicopter companies and Special Operations Aviation. The CH-47F is expected to remain the Army's heavy lift helicopter until at least the 2038 timeframe. The CH-47F ReNew Program will provide a more reliable, less costly to operate aircraft compatible with Joint digital connectivity requirements in the Future Force. Key product improvements integrate a new-machined airframe, a performance capability, Common Avionics Architecture System, Air Warrior, Common Missile Warning System, enhanced air transportability, Digital Advance Flight Control System (DAFCS) and an Extended Range Fuel System II for self-deployment missions. The CH-47F program extends the Army's Chinook fleets useful life 20 years incorporating reliability and maintainability improvements including airframe tuning for vibration reduction, corrosion protection, digital source collectors, Transportable Flight Proficiency Simulators, Cargo Floor Handling System, Ballistic Protection System, Transformation Sets, Kits and Outfits, Aviation Training Devices, M240 Window/Door Gun Mounts and an automated maintenance program with a 400-hour phase interval. The ReNew program rebuilds and replaces CH-47Ds and 61 Special Operations Aviation MH-47s to the CH-47F/MH-47G configuration. The New Build program procures all CH-47F New Build aircraft and 8 Special Operations Aviation MH-47G New Build aircraft. The CH-47 PM will field and train Combat Aviation Brigades (CABs) using a New Equipment Training team. The CH-47 is currently in the fifth year of a five year multi-year procurement (MYP) program and is working towards awarding a second MYP in FY13.

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A05008 - CH-47 NEW BUILD	P5, P5A, P21		27,748.794	97	2,691.633	-	32	870.399	-	25	756.441	36,828.833	6	220.973	-	-	-	36,828.833	6	220.973

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
. - CH-47 SLEP	P3A		23,374.840	25	584.371	-	13	435.319	-	19	671.851	30,182.864	22	664.023	-	-	-	30,182.864	22	664.023
Total Gross/Weapon System Cost					**3,276.004**			**1,305.718**			**1,428.292**			**884.996**			**-**			**884.996**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A05008 - CH-47 NEW BUILD	P5, P5A, P21		36,800.000	4	147.200	33,058.333	12	396.700	-	-	0.200	-	-	-	-	-	-	28.884	176	5,083.546
. - CH-47 SLEP	P3A		29,542.269	26	768.099	28,805.407	27	777.746	31,360.926	27	846.745	82,009.000	2	164.018	21,160.289	45	952.213	28.468	206	5,864.385
Total Gross/Weapon System Cost					**915.299**			**1,174.446**			**846.945**			**164.018**			**952.213**			**10,947.931**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY14 Base procurement dollars in the amount of $900.026 million will procure 6 new build aircraft and 22 renew aircraft.

Note: The 7 MH-47Gs are not part of the planned FY13-17 Multiyear Procurement.
Error in Quantity for FY12 procurement quantity: Total should be 48 aircraft with 33 new build and 15 renew.

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

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A05008 - CH-47 NEW BUILD

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	97	32	25	6	-	6	4	12	-	-	-	176
Gross/Weapon System Cost *($ in Millions)*	2,691.633	870.399	756.441	220.973	-	220.973	147.200	396.700	0.200	-	-	5,083.546
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	2,691.633	870.399	756.441	220.973	-	220.973	147.200	396.700	0.200	-	-	5,083.546
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**2,691.633**	**870.399**	**756.441**	**220.973**	**-**	**220.973**	**147.200**	**396.700**	**0.200**	**-**	**-**	**5,083.546**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	27,748.794	27,199.969	30,257.640	36,828.833	-	36,828.833	36,800.000	33,058.333	-	-	-	28.884

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
† Airframes/CFE		27,324.000	66	1,803.374	19,889.000	32	636.440	16,080.000	25	402.010	21,620.000	6	129.720	-	-	-	21,620.000	6	129.720
Engine/Accessories		1,428.000	132	188.469	987.000	62	61.210	1,074.000	36	38.666	1,040.000	12	12.476	-	-	-	1,040.000	12	12.476
CFE Avionics		-	-	115.236	-	-	39.824	-	-	25.155	-	-	8.117	-	-	-	-	-	8.117
GFE		-	-	225.450	-	-	30.278	-	-	52.358	-	-	17.992	-	-	-	-	-	17.992
ECO (Flyaway)		-	-	23.680	-	-	13.941	-	-	19.643	-	-	6.395	-	-	-	-	-	6.395
Other Costs		-	-	50.947	-	-	26.304	-	-	33.249	-	-	10.510	-	-	-	-	-	10.510
SOA Aircraft		-	-	12.041	-	-	12.202	-	-	74.164	-	-	-	-	-	-	-	-	-
PSE		-	-	13.986	-	-	2.096	-	-	2.911	-	-	1.043	-	-	-	-	-	1.043
Peculiar Training Equipment		-	-	40.285	-	-	0.532	-	-	0.368	-	-	2.598	-	-	-	-	-	2.598
Publications/Tech Data		-	-	8.850	-	-	0.491	-	-	0.338	-	-	0.136	-	-	-	-	-	0.136
ECO (Support Items)		-	-	1.794	-	-	0.452	-	-	0.625	-	-	0.225	-	-	-	-	-	0.225
NET		-	-	32.211	-	-	-	-	-	21.653	-	-	6.819	-	-	-	-	-	6.819
Other Support Costs		-	-	26.451	-	-	9.129	-	-	8.239	-	-	3.936	-	-	-	-	-	3.936
Post Production Modifications		-	-	134.702	-	-	31.787	-	-	73.682	-	-	19.877	-	-	-	-	-	19.877
Initial Spares		-	-	14.157	-	-	5.713	-	-	3.380	-	-	1.129	-	-	-	-	-	1.129
Total Recurring Cost				*2,691.633*			*870.399*			*756.441*			*220.973*			-			*220.973*

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A05008 - CH-47 NEW BUILD

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Total Flyaway Cost				*2,691.633*			*870.399*			*756.441*			*220.973*			-			*220.973*
Gross Weapon System Cost				**2,691.633**			**870.399**			**756.441**			**220.973**			**-**			**220.973**

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Flyaway Cost																			
Recurring Cost																			
† Airframes/CFE		22,096.000	4	88.384	21,982.000	12	263.784	-	-	-	-	-	-	-	-	-	128,991.000	145	3,323.712
Engine/Accessories		1,063.000	8	8.500	1,057.000	24	25.370	-	-	-	-	-	-	-	-	-	6,649.000	274	334.691
CFE Avionics		-	-	5.530	-	-	16.506	-	-	-	-	-	-	-	-	-	-	-	210.368
GFE		-	-	12.211	-	-	37.291	-	-	-	-	-	-	-	-	-	-	-	375.580
ECO (Flyaway)		-	-	4.355	-	-	13.033	-	-	-	-	-	-	-	-	-	-	-	81.047
Other Costs		-	-	8.225	-	-	17.196	-	-	-	-	-	-	-	-	-	-	-	146.431
SOA Aircraft		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98.407
PSE		-	-	0.440	-	-	1.035	-	-	-	-	-	-	-	-	-	-	-	21.511
Peculiar Training Equipment		-	-	1.725	-	-	4.109	-	-	-	-	-	-	-	-	-	-	-	49.617
Publications/Tech Data		-	-	0.086	-	-	0.202	-	-	-	-	-	-	-	-	-	-	-	10.103
ECO (Support Items)		-	-	0.095	-	-	0.223	-	-	-	-	-	-	-	-	-	-	-	3.414
NET		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60.683
Other Support Costs		-	-	2.493	-	-	5.858	-	-	-	-	-	-	-	-	-	-	-	56.106
Post Production Modifications		-	-	14.390	-	-	9.753	-	-	0.200	-	-	-	-	-	-	-	-	284.391
Initial Spares		-	-	0.766	-	-	2.340	-	-	-	-	-	-	-	-	-	-	-	27.485
Total Recurring Cost				*147.200*			*396.700*			*0.200*			-			-			*5,083.546*
Total Flyaway Cost				*147.200*			*396.700*			*0.200*			-			-			*5,083.546*
Gross Weapon System Cost				**147.200**			**396.700**			**0.200**			**-**			**-**			**5,083.546**

P-5 Remarks:

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	14	25	6	-	6	4	12	-	-
	Total Obligation Authority	330.399	756.441	220.973	-	220.973	147.200	396.700	0.200	-

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A05008 - CH-47 NEW BUILD

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
ANG	Quantity	18	-	-	-	-	-	-	-	-
	Total Obligation Authority	540.000	-	-	-	-	-	-	-	-

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter	**Item Nomenclature:** A05008 - CH-47 NEW BUILD

Cost Elements († indicates the presence of a P-21)	OCO	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†Airframes/CFE		2012	The Boeing Company / Ridley Park, PA	SS / FFP	AMCOM	Dec 2011	Jan 2014	32	19,889.000	N		Apr 2007
†Airframes/CFE		2013	The Boeing Company / Ridley Park, PA	SS / FFP	AMCOM	May 2013	Apr 2016	25	16,080.000	N		Jul 2011
†Airframes/CFE		2014	The Boeing Company / Ridley Park, PA	SS / FFP	AMCOM	May 2014	Apr 2017	6	21,620.000	N		Jul 2011

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter	**Item Nomenclature:** A05008 - CH-47 NEW BUILD

Cost Elements (Units in Each)							Fiscal Year 2012												Fiscal Year 2013											
										Calendar Year 2012														Calendar Year 2013								
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Airframes/CFE																														
	1	2012	ARMY	32	-	32	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
	1	2013	ARMY	25	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	25
	1	2014	ARMY (XVII)	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter	**Item Nomenclature:** A05008 - CH-47 NEW BUILD

Cost Elements (Units in Each)							Fiscal Year 2014												Fiscal Year 2015										
							Calendar Year 2014															Calendar Year 2015									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Airframes/CFE																													
	1	2012	ARMY	32	-	32	-	-	-	3	3	3	3	3	3	2	2	3	3	3	1									-
	1	2013	ARMY	25	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25
	1	2014	ARMY (XVII)	6	-	6	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter	**Item Nomenclature:** A05008 - CH-47 NEW BUILD

Cost Elements (Units in Each)							Fiscal Year 2016												Fiscal Year 2017											
							Calendar Year 2016															Calendar Year 2017									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Airframes/CFE																														
	1	2012	ARMY	32	32	-																								-
	1	2013	ARMY	25	-	25	-	-	-	-	-	-	2	3	2	2	2	2	2	2	2	2	2	2						-
	1	2014	ARMY (XVII)	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	1			-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter	**Item Nomenclature:** A05008 - CH-47 NEW BUILD

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR #	MFR Name - Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	The Boeing Company - Ridley Park, PA	24.00	24.00	72.00	5	5	35	40	-	-	-	-

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

Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

Service/Agency Suffixes:

(XVII) Base

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter	**Modification Nomenclature (*Modification Number - Modification Title*):** . - CH-47 SLEP
Models of Systems Affected: CH-47	**Type Modification:** .	**Related RDT&E PEs:**

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	25	13	19	22	-	22	26	27	27	2	45	206
Gross/Weapon System Cost *($ in Millions)*	584.371	435.319	671.851	664.023	-	664.023	768.099	777.746	846.745	164.018	952.213	5,864.385
Less PY Advance Procurement *($ in Millions)*	50.520	66.358	120.956	83.346	-	83.346	98.376	102.361	102.134	-	8.707	632.758
Net Procurement (P1) *($ in Millions)*	533.851	368.961	550.895	580.677	-	580.677	669.723	675.385	744.611	164.018	943.506	5,231.627
Plus CY Advance Procurement *($ in Millions)*	116.878	120.956	83.346	98.376	-	98.376	102.361	102.134	8.707	-	*.***	632.758
Total Obligation Authority *($ in Millions)*	**650.729**	**489.917**	**634.241**	**679.053**	**-**	**679.053**	**772.084**	**777.519**	**753.318**	**164.018**	**943.506**	**5,864.385**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	23,374.840	33,486.077	35,360.579	30,182.864	-	30,182.864	29,542.269	28,805.407	31,360.926	82,009.000	21,160.289	28.468

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The CH-47F Chinook is a twin-turbine, tandem-rotor, heavy lift transport helicopter with a useful load of up to 25,000 pounds. The ReNew program will provide a more reliable, less costly to operate aircraft compatible with Joint digital connectivity requirements in the Future Force. The ReNew Program produces an identical aircraft as the CH-47F New Build program with the exception of dynamic components including engine, transmission and drive train. During production, the aircraft receives a new airframe, cockpit, wiring and plumbing.

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter	**Modification Nomenclature (*Modification Number - Modification Title*):** . - CH-47 SLEP
Models of Systems Affected: CH-47	**Type Modification:** .	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Procurement												
CH-47 D to F Conversion												
A Kits												
Recurring												
Recurring Production (Mods)	25 / 487.718	13 / 370.002	19 / 526.567	22 / 525.204	- / -	22 / 525.204	26 / 635.386	27 / 676.497	27 / 693.741	2 / 47.217	45 / 8.707	206 / 3,971.039
Other Flyaway	0 / 35.100	- / 24.000	- / 53.900	- / 58.036	- / -	- / 58.036	- / 71.380	- / 63.735	- / 70.329	- / 53.573	- / 115.614	- / 545.667
Other Support	0 / 54.364	- / 7.600	- / 40.803	- / 40.842	- / -	- / 40.842	- / 17.468	- / 14.223	- / 20.136	- / 9.206	- / -	- / 204.642
Training	0 / 1.100	- / 0.200	- / 11.912	- / 21.235	- / -	- / 21.235	- / 11.213	- / 9.245	- / 13.969	- / 13.385	- / 12.800	- / 95.059
Support Equipment	0 / 6.089	- / 3.717	- / 7.292	- / 7.964	- / -	- / 7.964	- / 7.844	- / 7.594	- / 5.361	- / 0.404	- / -	- / 46.265
Post Production (Mods)	0 / 0.000	- / 29.800	- / 31.377	- / 10.742	- / -	- / 10.742	- / 24.808	- / 6.452	- / 43.209	- / 40.233	- / 815.092	- / 1,001.713
Subtotal Recurring	*25 / 584.371*	*13 / 435.319*	*19 / 671.851*	*22 / 664.023*	- / -	*22 / 664.023*	*26 / 768.099*	*27 / 777.746*	*27 / 846.745*	*2 / 164.018*	*45 / 952.213*	*206 / 5,864.385*
Total, CH-47 D to F Conversion	*25 / 584.371*	*13 / 435.319*	*19 / 671.851*	*22 / 664.023*	- / -	*22 / 664.023*	*26 / 768.099*	*27 / 777.746*	*27 / 846.745*	*2 / 164.018*	*45 / 952.213*	*206 / 5,864.385*
Total Procurement, All Modifications	*25 / 584.371*	*13 / 435.319*	*19 / 671.851*	*22 / 664.023*	- / -	*22 / 664.023*	*26 / 768.099*	*27 / 777.746*	*27 / 846.745*	*2 / 164.018*	*45 / 952.213*	*206 / 5,864.385*
Total Procurement and Support	*584.371*	*435.319*	*671.851*	*664.023*	-	*664.023*	*768.099*	*777.746*	*846.745*	*164.018*	*952.213*	*5,864.385*
CH-47 D to F Conversion Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Installation Cost	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Cost (Procurement + Support + Installation)	**584.371**	**435.319**	**671.851**	**664.023**	**-**	**664.023**	**768.099**	**777.746**	**846.745**	**164.018**	**952.213**	**5,864.385**

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter	**Modification Nomenclature (*Modification Number - Modification Title*):** . - CH-47 SLEP

Models of Systems Affected: CH-47	Type Modification: .	Related RDT&E PEs:

Manufacturer Information: CH-47 D to F Conversion

Manufacturer Name: Boeing	Manufacturer Location: Ripley, PA
Administrative Leadtime *(in Months)*: 5	Production Leadtime *(in Months)*: 12

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Feb 2012	Jun 2013	Jun 2014	Jun 2015	Jun 2016	Jun 2017	Jun 2018
Delivery Dates	Feb 2013	Jun 2014	Jun 2015	Jun 2016	Jun 2017	Jun 2018	Jun 2019

Installation: CH-47 D to F Conversion	Method of Implementation: Contractor	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	21	3	3	4	4	4	1	4	5	5	5	5	5	6	6	6	6	7	7	6	7	7	7	6	7	7	7	2	-	-	163
Out	9	4	2	3	3	3	3	4	4	4	1	4	5	5	5	5	5	6	6	6	6	7	7	6	7	7	7	6	7	16	163

Exhibit P-40 Advance Procurement, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	149.637	120.956	83.346	98.376	-	98.376	102.361	102.134	8.707	-	-	665.517
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	149.637	120.956	83.346	98.376	-	98.376	102.361	102.134	8.707	-	-	665.517
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**149.637**	**120.956**	**83.346**	**98.376**	**-**	**98.376**	**102.361**	**102.134**	**8.707**	**-**	**-**	**665.517**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The CH-47F Chinook is a twin-turbine, tandem-rotor, heavy-lift transport helicopter with a useful load of up to 25,000 pounds. The CH-47F Improved Cargo Helicopter is an essential component of the Army Future Force. The CH-47F program fills the Army's Aviation Transformation Chinook requirement. Key product improvements integrate the CH-47F Common Avionics Architecture System (CAAS) digital cockpit which meets the Net-Ready Key Performance Parameters (KPPs) and also includes a digital data bus that permits installation of enhanced communication and navigation equipment for improved situational awareness, mission performance, and survivability. The new digital cockpit incorporates all new airframe components and modifies the aircraft to reduce vibration. New airframe structural components and modifications will reduce harmful vibrations, improving operation and support (O&S) efficiency and crew endurance. Other airframe modifications reduce by 60 percent the time required for aircraft tear down and build-up after C-5/C-17 deployment. These modifications significantly enhance the Chinook's strategic deployment capability.

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A05101 - CH-47 Helicopter	P10		-	122	149.637	-	45	120.956	-	38	83.346	-	28	98.376	-	-	-	-	28	98.376
Total Gross/Weapon System Cost					**149.637**			**120.956**			**83.346**			**98.376**			**-**			**98.376**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A05101 - CH-47 Helicopter	P10		-	30	102.361	-	39	102.134	-	27	8.707	-	2	-	-	-	-	-	331	665.517

Exhibit P-40 Advance Procurement, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
Total Gross/Weapon System Cost					**102.361**			**102.134**			**8.707**			-			-			**665.517**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY 14 Base procurement dollars in the amount of $98.4 million will procure avionics and airframe advance procurement.

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

Exhibit P-10, Advance Procurement Requirements Analysis (*page 1 - Budget Funding Justification*): PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter	**Item Nomenclature (*Item Number, Item Name*):** A05101 - CH-47 Helicopter

ID Code (A=Service Ready, B=Not Service Ready) :		
First System (2014) Award Date: December 2003	**First System (2014) Completion Date:** December 2006	**Interval Between Systems:** 2 Months

	Prior Years (Each)	FY 2012 (Each)	FY 2013 (Each)	FY 2014 (Each)	FY 2015 (Each)	FY 2016 (Each)	FY 2017 (Each)	FY 2018 (Each)	To Complete (Each)	Total (Each)
End Item Quantity	122	45	38	28	30	39	27	2	-	331

Description:

Cost Element	Procurement Leadtime (Months)	When Rqd (Months)	All Prior Years ($ M)	FY 2012 ($ M)	FY 2013 ($ M)	FY 2014 ($ M)	FY 2015 ($ M)	FY 2016 ($ M)	FY 2017 ($ M)	FY 2018 ($ M)	To Complete ($ M)	Total ($ M)
Other												
Avionics	15	16	59.882	48.382	33.338	39.350	40.944	40.854	3.483	-	-	266.233
Airframe	13	14	89.755	72.574	50.008	59.026	61.417	61.280	5.224	-	-	399.284
Other Subtotal			*149.637*	*120.956*	*83.346*	*98.376*	*102.361*	*102.134*	*8.707*	*-*	*-*	*665.517*
Total Advance Procurement/Obligation Authority			**149.637**	**120.956**	**83.346**	**98.376**	**102.361**	**102.134**	**8.707**	**-**	**-**	**665.517**

Exhibit P-10, Advance Procurement Requirements Analysis (*page 2 - Budget Funding Justification*): PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 01: Aircraft / BSA 20: Rotary	**P-1 Line Item Nomenclature:** A05101 - CH-47 Helicopter	**Item Nomenclature (*Item Name, Item Number*):** A05101 - CH-47 Helicopter

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

	FY 2014		
	Unit Cost *($ K)*	**Qty** *(Each)*	**Total Cost Request** *($ M)*
End Item	-	28	98.376

		FY 2014				
Cost Elements	**QPA** *(Each)*	**Procurement Leadtime** *(Months)*	**Unit Cost** *($ K)*	**Qty** *(Each)*	**Contract Forecast Date**	**Total Cost Request** *($ M)*
Other						
Avionics	-	15	-	-	Dec 2012	39.350
Airframe	-	13	-	-	Dec 2012	59.026

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00020 - MQ-1 Payload - UAS
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	170.710	146.983	231.508	97.781	-	97.781	72.009	59.680	53.900	11.200	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	170.710	146.983	231.508	97.781	-	97.781	72.009	59.680	53.900	11.200	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**170.710**	**146.983**	**231.508**	**97.781**	**-**	**97.781**	**72.009**	**59.680**	**53.900**	**11.200**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

MQ-1 Payload Unmanned Aircraft Systems (UAS) (A00020) budget line is shared between multiple Payload programs and two Product Managers (Robotic and Unmanned Sensors - RUS & Airborne Reconnaissance and Exploitation Systems - ARES). These Payload programs support the Army's transformation by procuring Reconnaissance, Surveillance and Target Acquisition (RSTA) and Intelligence, Surveillance and Reconnaissance (ISR) payload systems for Brigade Combat Teams, Divisions, and Corps Unmanned Aircraft Systems (UAS). This is in accordance with Headquarters Department of the Army (HQDA) and Training and Doctrine Command (TRADOC) UAS priorities. STARLite, CSP, and Tactical Singals Intelligence (SIGINT) Payload (TSP) are principal payloads for the Gray Eagle UAS. The Army Acquisition Objective (AAO) for STARLite and CSP is equivalent to aircraft/platform quantities, one system per Gray Eagle UAS - AAO is commensurate with aircraft quantity (one STARLite and one CSP payload per aircraft).

Small Tactical Radar - Lightweight (STARLite) Synthetic Aperture Radar/Ground Moving Target Indicator (SAR/GMTI) is a lightweight, high performance, all weather, multi-functional radar system for the Gray Eagle Unmanned Aircraft System (UAS). The STARLite system provides wide area, near real time Reconnaissance, Surveillance and Target Acquisition (RSTA) capabilities. It operates throughout the UAS flight mission profile in adverse weather and through battlefield obscurants. The SAR mode generates quality images for the battlefield commander for detection, classification and location of stationary commercial wheeled vehicle-size targets. The GMTI mode detects moving ground targets, to include man-sized detection, and provides location information and performs cross-cue with the Electro-Optic/ Infrared (EO/IR) sensors.

Common Sensor Payload (CSP) - Electro Optical / Infra Red / Laser Designator (EO/IR/LD) provides High Definition (HD) Full Motion Video (FMV) in both the Electro Optical and Mid Wave IR spectrums with day/night capability to collect and display continuous imagery with the ability to designate targets of interest for attack by laser guided precision weapons. It is the EO/IR/LD sensor for Gray Eagle UAS which supports force applications, battlespace awareness, force protection, and net-centric operations across the battlefield to provide wide area, near real time RSTA capabilities. Additional initiatives will continue to focus on the transition of technologies directly supporting emerging requirements and the Army's Current and Future Force. CSP is being procured for the Gray Eagle UAS program and has potential application to other platforms.

The Tactical Signals Intelligence (SIGINT) Payload (TSP) is a SIGINT sensor, currently under development for the Gray Eagle that detects radio frequency (RF) emitters. The TSP system will provide a SIGINT capability to the tactical commander. The TSP system will be a modular, scalable payload using an architecture that is software reconfigurable to allow for growth and flexibility as technology, and as the

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00020 - MQ-1 Payload - UAS

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

adversaries use of technology, changes. This flexible architecture allows for third party software applications to be integrated into the TSP system. The TSP system is a complementary system to the aerial and terrestrial Intelligence, Surveillance, and Reconnaissance (ISR) layers through direct interface with the Distributed Common Ground System - Army (DCGS-A) Information and Intelligence Enterprise (DI2E). It supports Manned/Unmanned (MUM) teaming with Brigade Combat Team ground SIGINT Terminal Guidance (STG) teams and manned airborne assets. The TSP system improves situational awareness and shortens the targeting cycle by detecting and identifying emitters associated with high value targets (HVTs). The TSP system is capable of processing conventional signals, standard military signals, and modern signals of interest. This includes detection, recognition, identification, direction finding, and high confidence geo-location. The TSP system operates in two modes, passive and active to provide an enhanced Aerial Precision Geolocation (APG) capability.

The Army Acquisition Objective for TSP is 95 systems

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A00020 - MQ-1 Payload - UAS	P5, P5A, P21		-	-	170.710	-	-	146.983	-	-	231.508	-	-	97.781	-	-	-	-	-	97.781
Total Gross/Weapon System Cost					**170.710**			**146.983**			**231.508**			**97.781**			**-**			**97.781**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
A00020 - MQ-1 Payload - UAS	P5, P5A, P21		-	-	-	-	-	-	-	-	-	-	-	-	Continuing			Continuing		
Total Gross/Weapon System Cost					**72.009**			**59.680**			**53.900**			**11.200**	**Continuing**			**Continuing**		

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY 2014 base procurement dollars in the amount of $97.781 million supports procurement of 8 STARLite ER, 8 CSP HD, and 16 TSP payloads along with initial spares, CSP HD retrofits, contractor logistics support and initial fielding support.

CSP HD and STARLite ER payloads support the Gray Eagle UAS fielding schedule for the 16-17th Units Equipped (UE).

TSP payloads support fielding to the Gray Eagle Fielding Schedule beginning in FY15 and beyond.

There are no FY 2014 OCO Procurement dollars.

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00020 - MQ-1 Payload - UAS	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A00020 - MQ-1 Payload - UAS

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	170.710	146.983	231.508	97.781	-	97.781	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	170.710	146.983	231.508	97.781	-	97.781	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**170.710**	**146.983**	**231.508**	**97.781**	**-**	**97.781**	**-**	**-**	**-**	**-**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
† CSP Hardware		755.000	52	39.277	771.000	24	18.504	889.000	32	28.448	904.000	8	7.232	-	-	-	904.000	8	7.232
CSP Battle Damaged Procurement		-	-	3.605	-	-	6.000	-	-	-	-	-	-	-	-	-	-	-	-
CSP HD Retrofit		-	-	-	-	-	-	-	-	6.437	-	-	7.505	-	-	-	-	-	7.505
CSP PMO Support		-	-	2.395	-	-	3.500	-	-	3.715	-	-	4.740	-	-	-	-	-	4.740
CSPProgram Management/ Eng Support		-	-	0.100	-	-	-	-	-	0.533	-	-	1.483	-	-	-	-	-	1.483
CSP Engineering Changes		-	-	-	-	-	1.782	-	-	3.033	-	-	3.165	-	-	-	-	-	3.165
CSP System Test & Eval		-	-	6.780	-	-	0.588	-	-	0.536	-	-	0.212	-	-	-	-	-	0.212
CSP Initial Spares		-	-	24.955	-	-	10.794	-	-	14.224	-	-	5.426	-	-	-	-	-	5.426
CSPInterim Contractor Support		-	-	19.563	-	-	5.977	-	-	0.385	-	-	3.910	-	-	-	-	-	3.910
CSP Initial Fielding Support		-	-	-	-	-	-	-	-	3.025	-	-	1.304	-	-	-	-	-	1.304
CSP Depot Facilitization		-	-	-	-	-	6.000	-	-	4.000	-	-	-	-	-	-	-	-	-
CSP Technical Data Packages		-	-	-	-	-	15.798	-	-	33.486	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00020 - MQ-1 Payload - UAS	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A00020 - MQ-1 Payload - UAS

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
† STARLite Hardware		658.000	49	32.223	711.000	24	17.064	759.000	32	24.288	791.000	8	6.328	-	-	-	791.000	8	6.328
Hardware Retrofits		-	-	-	-	-	7.728	-	-	11.013	-	-	-	-	-	-	-	-	-
STARLite Battle Damaged Procurement		-	-	-	-	-	4.800	-	-	-	-	-	-	-	-	-	-	-	-
STARLite PMO Support		-	-	2.405	-	-	3.500	-	-	2.794	-	-	1.495	-	-	-	-	-	1.495
Program Management/ Eng Support		-	-	1.394	-	-	0.276	-	-	0.251	-	-	0.853	-	-	-	-	-	0.853
Engineering Changes		-	-	3.460	-	-	1.956	-	-	2.619	-	-	0.836	-	-	-	-	-	0.836
System Test & Eval		-	-	2.256	-	-	0.588	-	-	0.274	-	-	0.250	-	-	-	-	-	0.250
Initial Spares		-	-	16.073	-	-	11.369	-	-	12.150	-	-	8.702	-	-	-	-	-	8.702
Interim Contractor Support		-	-	1.392	-	-	8.960	-	-	-	-	-	1.825	-	-	-	-	-	1.825
Initial Fielding Support		-	-	-	-	-	-	-	-	3.011	-	-	2.013	-	-	-	-	-	2.013
Depot Facilitization		-	-	-	-	-	6.000	-	-	4.000	-	-	-	-	-	-	-	-	-
Technical Data Packages		-	-	-	-	-	15.799	-	-	33.486	-	-	-	-	-	-	-	-	-
† TSP Hardware		-	-	-	-	-	-	1,752.000	12	21.024	1,777.000	16	28.432	-	-	-	1,777.000	16	28.432
TSP Program Management/ Eng Support		-	-	-	-	-	-	-	-	4.586	-	-	1.834	-	-	-	-	-	1.834
TSP Engineering Changes		-	-	-	-	-	-	-	-	0.500	-	-	0.390	-	-	-	-	-	0.390
TSPSystem Test & Eval		-	-	-	-	-	-	-	-	3.370	-	-	1.412	-	-	-	-	-	1.412
TSP Initial Spares		-	-	-	-	-	-	-	-	2.080	-	-	3.896	-	-	-	-	-	3.896
TSP Training		-	-	-	-	-	-	-	-	0.570	-	-	0.550	-	-	-	-	-	0.550
TSP Data		-	-	-	-	-	-	-	-	4.340	-	-	1.300	-	-	-	-	-	1.300
TSP Initial Fielding Support		-	-	-	-	-	-	-	-	3.330	-	-	1.808	-	-	-	-	-	1.808
TSP Interim Contractor Support		-	-	-	-	-	-	-	-	-	-	-	0.880	-	-	-	-	-	0.880
TSP Other		-	-	14.832	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				*170.710*			*146.983*			*231.508*			*97.781*			-			*97.781*
Total Flyaway Cost				*170.710*			*146.983*			*231.508*			*97.781*			-			*97.781*
Gross Weapon System Cost				**170.710**			**146.983**			**231.508**			**97.781**			**-**			**97.781**

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00020 - MQ-1 Payload - UAS	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A00020 - MQ-1 Payload - UAS

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Flyaway Cost																			
Recurring Cost																			
† CSP Hardware		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CSP Battle Damaged Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CSP HD Retrofit		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CSP PMO Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CSPProgram Management/ Eng Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CSP Engineering Changes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CSP System Test & Eval		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CSP Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CSPInterim Contractor Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CSP Initial Fielding Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CSP Depot Facilitization		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CSP Technical Data Packages		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† STARLite Hardware		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware Retrofits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STARLite Battle Damaged Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STARLite PMO Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Program Management/ Eng Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Test & Eval		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interim Contractor Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Initial Fielding Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depot Facilitization		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00020 - MQ-1 Payload - UAS	**Item Nomenclature (*Item Number - Item Name, DODIC*):** A00020 - MQ-1 Payload - UAS

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Technical Data Packages		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† TSP Hardware		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSP Program Management/ Eng Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSP Engineering Changes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSPSystem Test & Eval		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSP Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSP Training		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSP Data		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSP Initial Fielding Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSP Interim Contractor Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSP Other		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Total Flyaway Cost				-			-			-			-			-			-
Gross Weapon System Cost				-			-			-			-	**Continuing**			**Continuing**		

P-5 Remarks:

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00020 - MQ-1 Payload - UAS	**Item Nomenclature:** A00020 - MQ-1 Payload - UAS

Cost Elements († indicates the presence of a P-21)	OCO	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†CSP Hardware		2012	Raytheon / McKinney, TX	C / IDIQ	CECOM, APG	May 2012	May 2013	24	771.000	N		
†CSP Hardware		2013	Raytheon / McKinney, TX	C / IDIQ	CECOM, APG	Mar 2013	Mar 2014	32	889.000	N		
†CSP Hardware		2014	Raytheon / McKinney, TX	C / IDIQ	CECOM, APG	Mar 2014	Mar 2015	8	904.000	N		
†STARLite Hardware		2012	Northrop Grumman / Linthicum, MD	C / FFP	CECOM, APG	Apr 2012	Apr 2013	24	711.000	N		
†STARLite Hardware		2013	Northrop Grumman / Linthicum, MD	SS / FFP	CECOM, APG	Mar 2013	Mar 2014	32	759.000	N		
†STARLite Hardware		2014	Northrop Grumman / Linthicum, MD	SS / FFP	CECOM, APG	Mar 2014	Mar 2015	8	791.000	N		
†TSP Hardware		2013	BAE Systems / Nashua, NH	SS / FFP	CECOM, APG	Jun 2013	Sep 2014	12	1,752.000	N		
†TSP Hardware		2014	BAE Systems / Nashua, NH	SS / FFP	CECOM, APG	Mar 2014	Jun 2015	16	1,777.000	N		

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00020 - MQ-1 Payload - UAS	**Item Nomenclature:** A00020 - MQ-1 Payload - UAS

Cost Elements (Units in Each)							Fiscal Year 2012												Fiscal Year 2013											
							Calendar Year 2012												Calendar Year 2013												
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
CSP Hardware																														
	1	2012	ARMY (XVIII)	24	-	24	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	14
	1	2013	ARMY (XIX)	32	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	32
	1	2014	ARMY (XX)	8	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
STARLite Hardware																														
	2	2012	ARMY (XXI)	24	-	24	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2	12
	2	2013	ARMY (XXII)	32	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	32
	2	2014	ARMY (XXIII)	8	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
TSP Hardware																														
	3	2013	ARMY (XXIV)	12	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	12
	3	2014	ARMY (XXV)	16	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00020 - MQ-1 Payload - UAS	**Item Nomenclature:** A00020 - MQ-1 Payload - UAS

Cost Elements (Units in Each)							Fiscal Year 2014												Fiscal Year 2015											
							Calendar Year 2014												Calendar Year 2015												
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
CSP Hardware																														
	1	2012	ARMY (XVIII)	24	10	14	2	2	2	2	2	2	2																	-
	1	2013	ARMY (XIX)	32	-	32	-	-	-	-	-	3	3	3	3	3	3	3	3	2	2	2	2								-
	1	2014	ARMY (XX)	8	-	8	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	2	2	1	1	1	1		-
STARLite Hardware																														
	2	2012	ARMY (XXI)	24	12	12	2	2	2	2	2	2																			-
	2	2013	ARMY (XXII)	32	-	32	-	-	-	-	-	3	3	3	3	3	3	3	3	2	2	2	2								-
	2	2014	ARMY (XXIII)	8	-	8	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2				-
TSP Hardware																														
	3	2013	ARMY (XXIV)	12	-	12	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	2	2	2					-
	3	2014	ARMY (XXV)	16	-	16	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	8
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00020 - MQ-1 Payload - UAS	**Item Nomenclature:** A00020 - MQ-1 Payload - UAS

Cost Elements (Units in Each)							Fiscal Year 2016												Fiscal Year 2017											
										Calendar Year 2016														Calendar Year 2017									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
CSP Hardware																														
	1	2012	ARMY (XVIII)	24	24	-																								-
	1	2013	ARMY (XIX)	32	32	-																								-
	1	2014	ARMY (XX)	8	8	-																								-
STARLite Hardware																														
	2	2012	ARMY (XXI)	24	24	-																								-
	2	2013	ARMY (XXII)	32	32	-																								-
	2	2014	ARMY (XXIII)	8	8	-																								-
TSP Hardware																														
	3	2013	ARMY (XXIV)	12	12	-																								-
	3	2014	ARMY (XXV)	16	8	8	2	2	2	2																				-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00020 - MQ-1 Payload - UAS	**Item Nomenclature:** A00020 - MQ-1 Payload - UAS

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR #	MFR Name - Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Raytheon - McKinney, TX	1.00	24.00	180.00	-	-	-	-	-	6	12	18
2	Northrop Grumman - Linthicum, MD	8.00	24.00	70.00	-	-	-	-	-	6	12	18
3	BAE Systems - Nashua, NH	12.00	24.00	72.00	-	9	15	24	-	6	15	21

"A" in the Delivery Schedule indicated the Contract Award Date.
Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

Service/Agency Suffixes:

(XVIII) BASE
(XIX) BASE
(XX) BASE
(XXI) BASE
(XXII) BASE
(XXIII) BASE
(XXIV) BASE
(XXV) BASE

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2000 - Guardrail Mods (MIP)

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

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	743.358	27.575	16.272	10.262	-	10.262	14.311	17.806	11.272	11.362	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	743.358	27.575	16.272	10.262	-	10.262	14.311	17.806	11.272	11.362	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**743.358**	**27.575**	**16.272**	**10.262**	**-**	**10.262**	**14.311**	**17.806**	**11.272**	**11.362**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

- Guardrail Common Sensor (GR/CS) is a tactical fixed-wing, airborne, Signals Intelligence (SIGINT) collection and precision targeting location system. The GR/CS systems are fielded to four Aerial Exploitation Battalions (AEBs) which are under the command of INSCOM. GR/CS provides near-real-time information to tactical commanders in the joint task force area supporting a full spectrum of operations (close in and deep look collections). It collects low-, mid-, and high-band radio signals; identifies and classifies them; determines source location; and provides near-real-time reporting, ensuring information dominance to commanders. GR/CS uses the Mission Operations Facility (MOF) for payload tasking, data processing, and mission operations. The purpose of the Guardrail Modernization Program is to significantly improve the system's tactical Irregular Warfare capability, while maintaining its Full Spectrum performance.

The GR Modernization program includes three main efforts: cockpit modernization, external aircraft modifications, and payload upgrades. Initial planning established an overall schedule to integrate all of these efforts, while minimizing impacts of emerging world-wide threats.
The GR/CS modernization effort provides A-Kits and sensor upgrade for the fleet of 14 mission aircraft (designated RC-12X) with capabilities that allow GR/CS to keep pace with a flexible enemy. Communications High Accuracy Location Subsystem-Compact (CHALS-C) provides precision geo-location and supports Theater for Net-Centric Geo-location (TNG) Airborne Overhead Cooperative Operations. Enhanced Situational Awareness (ESA) provides modern airborne Communications Intelligence (COMINT) subsystem and infrastructure. High Band COMINT (HBC) provides enhanced capability to intercept, locate, and exploit high frequency COMINT signals. Special Signals (SS) provides enhanced X-Modular Interactive Data Acquisition System (X-MIDAS) hardware architecture and capability to intercept and exploit special signals. Electronics Intelligence (ELINT) is standardized in a P-Pod configuration on 14 aircraft and provides Advanced Quick Look (AQL) processing B-Kits. FY14 efforts includes recurring and non-recurring engineering to integrate Full Motion Video (FMV) A and B-Kits.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2000 - Guardrail Mods (MIP)
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	27.575	16.272	10.262	-	10.262	14.311	17.806	11.272	11.362

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0 - Guardrail MODS MIP	P3A		-	-	743.358	-	-	27.575	-	-	16.272	-	-	10.262	-	-	-	-	-	10.262
Total Gross/Weapon System Cost					**743.358**			**27.575**			**16.272**			**10.262**			**-**			**10.262**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0 - Guardrail MODS MIP	P3A		-	-	14.311	-	-	17.806	-	-	11.272	-	-	11.362	Continuing			Continuing		
Total Gross/Weapon System Cost					**14.311**			**17.806**			**11.272**			**11.362**	**Continuing**			**Continuing**		

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY14 Base procurement funding in the amount of $10.262 million retrofits remaining three aircraft and provides recurring and non-recurring engineering and equips one aircraft with Full Motion Video (FMV) capabilities. Retrofits include integration of Guardrail Interoperability Airborne Network Terminal (GIANT) data links, X-Modular Interactive Data Acquisition System (X-Midas) V3, and Airborne Precision Geolocation (APG) improvements, resulting in the final GR Mod configuration on all 14 systems to better support operations against emerging world-wide threats. These efforts provide the necessary field installation support, new equipment training, contractor field support, and spares to effectively operate the system. OCONUS training, field service representative support, and repairs will be provided to support operations to better support against emerging worldwide threats. FY 2014 is the completion of the integration and fielding of the APG subsystems on 14 deployed aircraft which is also included in the Enhanced Situational Awareness (ESA) Subsystem Mod.

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2000 - Guardrail Mods (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0 - Guardrail MODS MIP

Models of Systems Affected: 1-14	Type Modification: 0	Related RDT&E PEs:

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	743.358	27.575	16.272	10.262	-	10.262	14.311	17.806	11.272	11.362	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	743.358	27.575	16.272	10.262	-	10.262	14.311	17.806	11.272	11.362	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**743.358**	**27.575**	**16.272**	**10.262**	**-**	**10.262**	**14.311**	**17.806**	**11.272**	**11.362**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The above represents Guardrail (GR) Mod efforts over time. Individual efforts are described in detail under corresponding modifications.

Development Status/Major Development Milestones

Date	Title	Description
Aug 2012	None	N/A

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2000 - Guardrail Mods (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0 - Guardrail MODS MIP
Models of Systems Affected: 1-14	**Type Modification:** 0	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Procurement												
Enhanced Situational Awareness (ESA) Subsystem												
A Kits												
Recurring												
NRE ESA	0 / 139.297	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 139.297
Recur ESA B-Kit	14 / 89.548	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 89.548
Recur A-Kit (Racks/Cable)	14 / 54.385	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 54.385
Recur A-Kit (Airframe)	7 / 50.348	4 / 5.600	3 / 4.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 60.648
Recur Nav/Timing	14 / 20.848	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 20.848
NRE Data Link Air	0 / 25.664	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 25.664
Recur Data Link Ground	0 / 1.830	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.830
Spare ESA B-Kit	7 / 12.323	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 12.323
Eng Lab Asset ESA B-Kit	7 / 4.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 4.900
Aircraft Upgrade Cockpit	7 / 33.101	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 33.101
System Integration	7 / 18.700	- / 10.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 29.200
Retrofit	0 / 0.000	- / -	4 / 3.480	3 / 4.300	- / -	3 / 4.300	- / -	- / -	- / -	- / -	- / -	7 / 7.780
Sys Assessment/Test Spt	0 / 13.502	- / 2.600	- / 2.500	- / 0.365	- / -	- / 0.365	- / -	- / -	- / -	- / -	- / -	- / 18.967
Training Supt	0 / 4.400	- / 1.500	- / 1.500	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / 8.400
Fielding (CHALS/ESA/HBC)	0 / 21.199	- / 3.790	3 / 1.200	- / 1.362	- / -	- / 1.362	- / -	- / -	- / -	- / -	- / -	3 / 27.551
PM Support	0 / 72.994	- / 3.285	- / 2.492	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / 79.771
Production FSR support	0 / 0.000	- / -	- / -	- / 0.335	- / -	- / 0.335	- / -	- / -	- / -	- / -	- / -	- / 0.335
Initial Spares Provision	0 / 3.951	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.951
Subtotal Recurring	*77 / 566.990*	*4 / 27.275*	*10 / 15.872*	*3 / 8.362*	- / -	*3 / 8.362*	- / -	- / -	- / -	- / -	- / -	*94 / 618.499*
Total, Enhanced Situational Awareness (ESA) Subsystem	*77 / 566.990*	*4 / 27.275*	*10 / 15.872*	*3 / 8.362*	- / -	*3 / 8.362*	- / -	- / -	- / -	- / -	- / -	*94 / 618.499*
Full Motion Video (FMV)												
A Kits												
Recurring												
Kit Quantity	0 / 0.000	- / -	- / -	1 / 0.200	- / -	1 / 0.200	9 / 1.800	4 / 0.800	- / -	- / -	- / -	14 / 2.800
Fielding/Training	0 / 0.000	- / -	- / -	- / -	- / -	- / -	4 / 0.400	6 / 0.600	4 / 0.900	- / -	- / -	14 / 1.900
Integration & Test	0 / 0.000	- / -	- / -	- / -	- / -	- / -	6 / 2.500	7 / 2.275	1 / 0.325	- / -	- / -	14 / 5.100
PM Costs	0 / 0.000	- / -	- / -	- / 0.100	- / -	- / 0.100	- / 1.365	- / 1.725	- / -	- / -	- / -	- / 3.190
Spares/repairs	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.646	- / 1.900	- / 0.500	- / -	- / -	- / 3.046

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2000 - Guardrail Mods (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0 - Guardrail MODS MIP
Models of Systems Affected: 1-14	**Type Modification:** 0	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Subtotal Recurring	*0 / 0.000*	- / -	- / -	*1 / 0.300*	- / -	*1 / 0.300*	*19 / 6.711*	*17 / 7.300*	*5 / 1.725*	- / -	- / -	*42 / 16.036*
Non-Recurring												
Equipment	0 / 0.000	- / -	- / -	- / 0.600	- / -	- / 0.600	- / 0.600	- / -	- / -	- / -	- / -	- / 1.200
Subtotal Non-Recurring	*0 / 0.000*	- / -	- / -	- / *0.600*	- / -	- / *0.600*	- / *0.600*	- / -	- / -	- / -	- / -	- / *1.200*
B Kits												
Recurring												
Kit Quantity	0 / 0.000	- / -	- / -	1 / 1.000	- / -	1 / 1.000	7 / 7.000	6 / 6.000	- / -	- / -	- / -	14 / 14.000
Subtotal Recurring	*0 / 0.000*	- / -	- / -	*1 / 1.000*	- / -	*1 / 1.000*	*7 / 7.000*	*6 / 6.000*	- / -	- / -	- / -	*14 / 14.000*
Total, Full Motion Video (FMV)	*0 / 0.000*	- / -	- / -	*2 / 1.900*	- / -	*2 / 1.900*	*26 / 14.311*	*23 / 13.300*	*5 / 1.725*	- / -	- / -	*56 / 31.236*
Moderization Signal Enhancement												
A Kits												
Recurring												
Installation Kits	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.490	- / 6.000	- / 7.000	- / -	- / 14.490
Training Equipment	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.905	- / 0.725	- / 1.050	- / -	- / 2.680
Support Equipment	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.300	- / 0.600	- / 0.950	- / -	- / 1.850
PM Support	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.900	- / 1.222	- / 1.262	- / -	- / 3.384
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / *3.595*	- / *8.547*	- / *10.262*	- / -	- / *22.404*
Non-Recurring												
Installation Kits	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.911	- / 1.000	- / 1.100	- / -	- / 3.011
Subtotal Non-Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / *0.911*	- / *1.000*	- / *1.100*	- / -	- / *3.011*
Total, Moderization Signal Enhancement	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / *4.506*	- / *9.547*	- / *11.362*	- / -	- / *25.415*
Total Procurement, All Modifications	*77 / 566.990*	*4 / 27.275*	*10 / 15.872*	*5 / 10.262*	- / -	*5 / 10.262*	*26 / 14.311*	*23 / 17.806*	*5 / 11.272*	- / *11.362*	- / -	*150 / 675.150*
Total Procurement and Support	*566.990*	*27.275*	*15.872*	*10.262*	-	*10.262*	*14.311*	*17.806*	*11.272*	*11.362*	-	*675.150*
Enhanced Situational Awareness (ESA) Subsystem Installation Cost	10 / 2.522	- / 0.300	4 / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 3.222
Full Motion Video (FMV) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Moderization Signal Enhancement Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Installation Cost	*10 / 2.522*	- / *0.300*	*4 / 0.400*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*14 / 3.222*
Total Cost (Procurement + Support + Installation)	**569.512**	**27.575**	**16.272**	**10.262**	**-**	**10.262**	**14.311**	**17.806**	**11.272**	**11.362**	**-**	**678.372**

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2000 - Guardrail Mods (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0 - Guardrail MODS MIP
Models of Systems Affected: 1-14	**Type Modification:** 0	**Related RDT&E PEs:**

Manufacturer Information: Enhanced Situational Awareness (ESA) Subsystem

Manufacturer Name: .	Manufacturer Location: .
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 12

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Enhanced Situational Awareness (ESA) Subsystem	**Method of Implementation:** .	**Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.510	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.510
FY 2012	3 / 1.314	- / 0.300	4 / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 2.014
FY 2013	7 / 0.373	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.373
FY 2014	0 / 0.325	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.325
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	10 / 2.522	- / 0.300	4 / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 3.222

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
Out	7	-	3	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2000 - Guardrail Mods (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0 - Guardrail MODS MIP
Models of Systems Affected: 1-14	**Type Modification:** 0	**Related RDT&E PEs:**

Manufacturer Information: Full Motion Video (FMV)	
Manufacturer Name: .	Manufacturer Location: .
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Full Motion Video (FMV)	Method of Implementation: .	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	3	-	3	-	4	-	1	-	-	-	-	-	-	-	-	14
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	-	3	-	3	3	1	-	-	-	-	-	-	-	14

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2000 - Guardrail Mods (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0 - Guardrail MODS MIP

Models of Systems Affected: 1-14	Type Modification: 0	Related RDT&E PEs:

Manufacturer Information: Moderization Signal Enhancement

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Moderization Signal Enhancement	Method of Implementation: TBD	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2001 - Multi Sensor ABN Recon (MIP)

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

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	699.560	61.162	4.294	12.467	-	12.467	188.337	109.424	132.761	82.459	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	699.560	61.162	4.294	12.467	-	12.467	188.337	109.424	132.761	82.459	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**699.560**	**61.162**	**4.294**	**12.467**	**-**	**12.467**	**188.337**	**109.424**	**132.761**	**82.459**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

Multi Sensor Airborne Reconnaissance (AZ2001) is a summary budget line including the following programs:
(1) Airborne Reconnaissance Low (ARL) Mods (MIP). ARL Multifunction (ARL-M) is a multi-intelligence (MultiINT) airborne sensor providing the Combatant Commander with real-time Communications Intelligence (COMINT), Imagery Intelligence (IMINT) and radar products. These systems are currently supporting forces in Central Command (CENTCOM), Southern Command (SOUTHCOM), and Republic of Korea (ROK). The ARL Enhanced (ARL-E) procures the hardware, software, and infrastructure to rapidly install sensors which support a plug and play, quick connect/disconnect, mounting system to allow the installation of various combinations of sensor-types in support of a wide-range of theater operations.
(2) ARMS/MARSS Mods (MIP). Aerial Reconnaissance Multi Sensor (ARMS) and Medium Altitude Reconnaissance and Surveillance System (MARSS) are quick reaction capability (QRC) systems. MARSS continues to support real-time surveillance and target acquisition missions in Overseas Contingency Operations in Afghanistan. These systems can be configured with imagery, COMINT or other sensors, depending on the emerging requirements. MARSS is a Government Owned/Contractor Operated (GOCO) system.
(3) Constant Hawk (MIP). Constant Hawk is a persistent surveillance wide field of view Airborne Intelligence, Surveillance and Reconnaissance (AISR) system conducting Counter Improvised Explosive Device (IED) surveillance force protection missions in Overseas Contingency Operations in Afghanistan.
(4) Airborne Intelligence, Surveillance and Reconnaissance (ISR) Mods (MIP). AISR Mods support Overseas Contingency Operations by providing real-time data links and a wide range of product exploitation/ dissemination capability. This allows receivers of real-time video with METAdata and enables secondary exploitation tools to produce products for dissemination to maneuver elements. Video is also routed to multiple users in theater. The configuration also supports capture and dissemination of other sensors/capabilities (radars, et al).

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2001 - Multi Sensor ABN Recon (MIP)
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	4.294	-	-	-	-	-	-	-

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
000 - ARL Mod-In-Service	P3A		-	-	699.559	-	-	61.162	-	-	4.294	-	-	12.467	-	-	-	-	-	12.467
Total Gross/Weapon System Cost					**699.560**			**61.162**			**4.294**			**12.467**			**-**			**12.467**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
000 - ARL Mod-In-Service	P3A		-	-	188.337	-	-	109.424	-	-	132.761	-	-	82.459	Continuing			Continuing		
Total Gross/Weapon System Cost					**188.337**			**109.424**			**132.761**			**82.459**	**Continuing**			**Continuing**		

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY14 Base procurement dollars in the amount of $12.467 million supports the procurement of onboard Orion workstations, communications systems, Diamondback Communications Intelligence (COMINT), and Phoenix Eye radar subsystems for ARL Multifunction (ARL-M) and also one workstation suite, workstation software, mission radios, data links, a COMINT subsystem and associated non-recurring engineering for one ARL-Enhanced (ARL-E) system. The ARL-E payload program begins in FY14 to procure the ARL mission equipment, new communications equipment, and contract package for enhancement of the current ARL system making it rapidly deployable world-wide against current, new, and emerging threats.

All COMPO 1 Active

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2001 - Multi Sensor ABN Recon (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 000 - ARL Mod-In-Service

Models of Systems Affected: ARL	Type Modification: Operational	Related RDT&E PEs:

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	699.559	61.162	4.294	12.467	-	12.467	188.337	109.424	132.761	82.459	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	699.559	61.162	4.294	12.467	-	12.467	188.337	109.424	132.761	82.459	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**699.559**	**61.162**	**4.294**	**12.467**	**-**	**12.467**	**188.337**	**109.424**	**132.761**	**82.459**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

Mod-In-Service

NOTE: Of FY12 dollars only $11.7M is for ARL Mod-In-Service

Development Status/Major Development Milestones

Date	Title	Description
May 2011	Final ARL C to M Conversion Delivered	Completed

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2001 - Multi Sensor ABN Recon (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 000 - ARL Mod-In-Service
Models of Systems Affected: ARL	**Type Modification:** Operational	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Procurement												
ARL Enhanced (ARL-E)												
A Kits												
Recurring												
Improved Radar Sub-Systems	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 10.000	- / 10.000	- / 10.000	- / 10.000	- / -	- / 40.000
MEP/PED Integration	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 9.400	- / 4.973	- / 6.400	- / 6.400	- / -	- / 27.173
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / *19.400*	- / *14.973*	- / *16.400*	- / *16.400*	- / -	- / *67.173*
Non-Recurring												
Non Recurring Engineering	0 / 0.000	- / -	- / -	- / 1.200	- / -	- / 1.200	- / -	- / -	- / -	- / -	- / -	- / 1.200
Subtotal Non-Recurring	*0 / 0.000*	- / -	- / -	- / *1.200*	- / -	- / *1.200*	- / -	- / -	- / -	- / -	- / -	- / *1.200*
B Kits												
Recurring												
DHC-8 300	0 / 0.000	- / -	- / -	- / -	- / -	- / -	4 / 40.000	2 / 20.000	2 / 20.000	1 / 11.000	- / -	9 / 91.000
Aircraft Standardization	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 13.200	- / 11.400	- / 11.700	- / 7.200	- / -	- / 43.500
Mini-T & BLOS Data Links	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.151	- / 0.451	- / 3.002	- / 2.100	- / -	- / 6.704
LIDAR	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.000	- / 11.000	- / 11.000	- / -	- / 33.000
Wide Area Surveillance (WAS)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 6.500	- / 6.500	- / 6.500	- / -	- / -	- / 19.500
Digital Pan Camera/Mapping	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.500	- / 1.500	- / 1.500	- / -	- / -	- / 4.500
FOPEN	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.500	- / 5.500	- / 5.500	- / -	- / 16.500
Workstations	0 / 0.000	- / -	- / -	- / 0.500	- / -	- / 0.500	- / 1.200	- / 2.400	- / 2.400	- / 1.200	- / -	- / 7.700
Workstation Software	0 / 0.000	- / -	- / -	- / 0.500	- / -	- / 0.500	- / 3.700	- / 2.400	- / 6.200	- / -	- / -	- / 12.800
Mission Radio (Sets)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 3.200	- / 3.200	- / 3.200	- / 4.800	- / -	- / 14.400
Upgraded HDi FMV Sensors	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 8.500	- / 4.000	- / 5.000	- / 5.000	- / -	- / 22.500
COMINT Sub-Systems	0 / 0.000	- / -	- / -	- / 2.500	- / -	- / 2.500	- / 19.200	- / 10.600	- / 10.600	- / 5.300	- / -	- / 48.200
SSEB/Contract Documentation	0 / 0.000	- / -	- / -	- / 1.167	- / -	- / 1.167	- / -	- / -	- / -	- / -	- / -	- / 1.167
Program Mgt	0 / 0.000	- / -	- / -	- / 0.600	- / -	- / 0.600	- / 5.000	- / 4.000	- / 4.107	- / 3.000	- / -	- / 16.707
Spares	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 5.104	- / 3.000	- / -	- / 3.959	- / -	- / 12.063
Training and Documentation	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 2.282	- / -	- / 2.952	- / -	- / -	- / 5.234
Side Car / N Station Mounting	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 24.000	- / -	- / 16.000	- / -	- / -	- / 40.000
Hyper Spectral Imagery (HSI)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 26.400	- / -	- / -	- / -	- / -	- / 26.400
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / *5.267*	- / -	- / *5.267*	*4 / 160.937*	*2 / 85.951*	*2 / 109.661*	*1 / 60.059*	- / -	*9 / 421.875*
Total, ARL Enhanced (ARL-E)	*0 / 0.000*	- / -	- / -	- / *6.467*	- / -	- / *6.467*	*4 / 180.337*	*2 / 100.924*	*2 / 126.061*	*1 / 76.459*	- / -	*9 / 490.248*

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2001 - Multi Sensor ABN Recon (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 000 - ARL Mod-In-Service
Models of Systems Affected: ARL	**Type Modification:** Operational	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
ARL Multifunction (ARL-M)												
A Kits												
Recurring												
RADAR (Phoenix Eye) Upgrades	0 / 0.000	- / -	- / -	- / 1.400	- / -	- / 1.400	- / 1.400	- / 1.300	- / 1.100	- / 0.900	- / -	- / 6.100
Communications Upgrades	0 / 0.000	- / -	- / -	- / 1.900	- / -	- / 1.900	- / 1.900	- / 1.700	- / 1.500	- / 1.200	- / -	- / 8.200
Program Management	0 / 0.000	- / -	- / -	- / 0.400	- / -	- / 0.400	- / 0.400	- / 0.400	- / 0.300	- / 0.400	- / -	- / 1.900
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / *3.700*	- / -	- / *3.700*	- / *3.700*	- / *3.400*	- / *2.900*	- / *2.500*	- / -	- / *16.200*
B Kits												
Recurring												
Work Station Architecture Upgrades	0 / 0.000	- / -	- / -	- / 0.900	- / -	- / 0.900	- / 0.900	- / 0.800	- / 0.700	- / 0.600	- / -	- / 3.900
COMINT Diamond Back Upgrades	0 / 0.000	- / -	- / -	- / 1.400	- / -	- / 1.400	- / 1.400	- / 1.300	- / 1.100	- / 0.900	- / -	- / 6.100
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / *2.300*	- / -	- / *2.300*	- / *2.300*	- / *2.100*	- / *1.800*	- / *1.500*	- / -	- / *10.000*
Total, ARL Multifunction (ARL-M)	*0 / 0.000*	- / -	- / -	- / *6.000*	- / -	- / *6.000*	- / *6.000*	- / *5.500*	- / *4.700*	- / *4.000*	- / -	- / *26.200*
System Interoperability												
B Kits												
Recurring												
Datalink A-Kit	0 / 0.240	- / 0.480	- / 0.255	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.975
Datalink Hardware	0 / 0.500	- / 1.000	- / 0.515	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.015
Software	0 / 2.700	- / 0.300	- / 1.449	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.449
Program Mgt	0 / 1.700	- / 0.270	- / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.370
Spares	0 / 2.500	- / 0.100	- / 0.225	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.825
Integration of Existing Systems	0 / 3.160	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.160
Prototyping	0 / 9.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.600
OIF Air Force Interop	0 / 3.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.100
Subtotal Recurring	*0 / 23.500*	- / *2.150*	- / *2.844*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *28.494*
Non-Recurring												
Engineering Design	0 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.000
Subtotal Non-Recurring	*0 / 2.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *2.000*
Total, System Interoperability	*0 / 25.500*	- / *2.150*	- / *2.844*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *30.494*
Workstation Architecture												
B Kits												
Recurring												

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2001 - Multi Sensor ABN Recon (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 000 - ARL Mod-In-Service
Models of Systems Affected: ARL	**Type Modification:** Operational	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
SW PC Client Server	0 / 2.200	- / 1.200	- / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.000
Initial Spares	0 / 3.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.000
Program Management	0 / 0.700	- / 0.200	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.000
Workstation	6 / 2.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.900
Non-Recurring Engineering	0 / 3.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.000
Subtotal Recurring	*6 / 11.800*	*- / 1.400*	*- / 0.700*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*6 / 13.900*
Total, Workstation Architecture	*6 / 11.800*	*- / 1.400*	*- / 0.700*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*6 / 13.900*
COMINT Upgrades												
B Kits												
Recurring												
Diamond Back B Kits	4 / 11.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 11.100
Calibration & Test	0 / 4.600	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.700
Program Mgt	0 / 2.400	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.700
Signal Processing SW	0 / 4.900	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.200
Frequency Extension Antenna	0 / 2.681	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.681
Diamond Back NRE	0 / 5.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.400
Spares	0 / 3.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.200
Subtotal Recurring	*4 / 34.281*	*- / 0.700*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*4 / 34.981*
Total, COMINT Upgrades	*4 / 34.281*	*- / 0.700*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*4 / 34.981*
Radar												
B Kits												
Recurring												
Phoenix Eye (3 plus spare)	4 / 19.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 19.100
SW Improvements	0 / 5.800	- / 1.462	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.262
Lynx GMTI	0 / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.800
Fielding/User Assessment	0 / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500
Program Management	0 / 2.900	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.100
Subtotal Recurring	*4 / 29.100*	*- / 1.662*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*4 / 30.762*
Non-Recurring												
Non Recurring Engineering	0 / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.500
Subtotal Non-Recurring	*0 / 1.500*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.500*
Total, Radar	*4 / 30.600*	*- / 1.662*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*4 / 32.262*

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2001 - Multi Sensor ABN Recon (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 000 - ARL Mod-In-Service
Models of Systems Affected: ARL	**Type Modification:** Operational	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
ARL-C to ARL-M Conversion												
B Kits												
Recurring												
Airframe Modification and Integration	0 / 26.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.800
Air Worthiness Release	0 / 0.700	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.000
Test & Fielding	0 / 5.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.300
Program Management	0 / 2.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.300
Subtotal Recurring	*0 / 35.100*	*- / 0.300*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 35.400*
Total, ARL-C to ARL-M Conversion	*0 / 35.100*	*- / 0.300*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 35.400*
Completed Mods												
A Kits												
Recurring												
Completed Mods	0 / 550.780	- / 52.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 603.580
Subtotal Recurring	*0 / 550.780*	*- / 52.800*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 603.580*
Total, Completed Mods	*0 / 550.780*	*- / 52.800*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 603.580*
Total Procurement, All Modifications	*14 / 688.061*	*- / 59.012*	*- / 3.544*	*- / 12.467*	*- / -*	*- / 12.467*	*4 / 186.337*	*2 / 106.424*	*2 / 130.761*	*1 / 80.459*	*- / -*	*23 / 1,267.065*
Total Procurement and Support	*688.061*	*59.012*	*3.544*	*12.467*	*-*	*12.467*	*186.337*	*106.424*	*130.761*	*80.459*	*-*	*1,267.065*
ARL Enhanced (ARL-E) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	2 / 2.000	3 / 3.000	2 / 2.000	2 / 2.000	- / -	9 / 9.000
ARL Multifunction (ARL-M) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
System Interoperability Installation Cost	0 / 0.000	2 / 1.250	1 / 0.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.000
Workstation Architecture Installation Cost	6 / 2.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.900
COMINT Upgrades Installation Cost	3 / 5.100	1 / 0.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 6.000
Radar Installation Cost	3 / 3.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 3.500
ARL-C to ARL-M Conversion Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Completed Mods Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Installation Cost	*12 / 11.500*	*3 / 2.150*	*1 / 0.750*	*- / -*	*- / -*	*- / -*	*2 / 2.000*	*3 / 3.000*	*2 / 2.000*	*2 / 2.000*	*- / -*	*25 / 23.400*
Total Cost (Procurement + Support + Installation)	**699.561**	**61.162**	**4.294**	**12.467**	**-**	**12.467**	**188.337**	**109.424**	**132.761**	**82.459**	**-**	**1,290.465**

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2001 - Multi Sensor ABN Recon (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 000 - ARL Mod-In-Service
Models of Systems Affected: ARL	**Type Modification:** Operational	**Related RDT&E PEs:**

Manufacturer Information: ARL Enhanced (ARL-E)

Manufacturer Name: TBS/TBD	Manufacturer Location: TBS/TBD
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 12

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates			Mar 2014				
Delivery Dates				Mar 2015			

Installation: ARL Enhanced (ARL-E) | **Method of Implementation:** Contractor | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	2 / 2.000	- / -	- / -	- / -	- / -	2 / 2.000
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	3 / 3.000	- / -	- / -	- / -	3 / 3.000
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.000	- / -	- / -	2 / 2.000
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.000	- / -	2 / 2.000
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	2 / 2.000	3 / 3.000	2 / 2.000	2 / 2.000	- / -	9 / 9.000

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	2	1	-	-	2	-	1	1	-	-	-	9
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	1	-	-	2	-	1	1	-	9

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2001 - Multi Sensor ABN Recon (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 000 - ARL Mod-In-Service
Models of Systems Affected: ARL	**Type Modification:** Operational	**Related RDT&E PEs:**

Manufacturer Information: ARL Multifunction (ARL-M)	
Manufacturer Name: TBS/TBD	Manufacturer Location: TBS/TBD
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: ARL Multifunction (ARL-M)	Method of Implementation: Contractor	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2001 - Multi Sensor ABN Recon (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 000 - ARL Mod-In-Service
Models of Systems Affected: ARL	**Type Modification:** Operational	**Related RDT&E PEs:**

Manufacturer Information: System Interoperability	
Manufacturer Name: LMIS/SNC	Manufacturer Location: Hagerstown, MD
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: System Interoperability	Method of Implementation: Contractor	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	2 / 1.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.250
FY 2013	0 / 0.000	- / -	1 / 0.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.750
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	2 / 1.250	1 / 0.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.000

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	1	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Out	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2001 - Multi Sensor ABN Recon (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 000 - ARL Mod-In-Service
Models of Systems Affected: ARL	**Type Modification:** Operational	**Related RDT&E PEs:**

Manufacturer Information: Workstation Architecture	
Manufacturer Name: LMIS/SNC	Manufacturer Location: Hagerstown, MD
Administrative Leadtime *(in Months)*: 1	Production Leadtime *(in Months)*: 3

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Workstation Architecture | **Method of Implementation:** Contractor | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	6 / 2.900	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	6 / 2.900
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	6 / 2.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.900

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Out	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2001 - Multi Sensor ABN Recon (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 000 - ARL Mod-In-Service
Models of Systems Affected: ARL	**Type Modification:** Operational	**Related RDT&E PEs:**

Manufacturer Information: COMINT Upgrades

Manufacturer Name: LMIS/BAE	Manufacturer Location: Nashua, NH
Administrative Leadtime *(in Months)*: 1	Production Leadtime *(in Months)*: 4

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: COMINT Upgrades | **Method of Implementation:** Contractor | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	3 / 5.100	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	3 / 5.100
FY 2012	0 / 0.000	1 / 0.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.900
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	3 / 5.100	1 / 0.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 6.000

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Out	2	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2001 - Multi Sensor ABN Recon (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 000 - ARL Mod-In-Service
Models of Systems Affected: ARL	**Type Modification:** Operational	**Related RDT&E PEs:**

Manufacturer Information: Radar	
Manufacturer Name: LM Goodyear	Manufacturer Location: Phoenix, AZ
Administrative Leadtime *(in Months)*: 1	Production Leadtime *(in Months)*: 4

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Radar | **Method of Implementation:** Contractor | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	3 / 3.500	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	3 / 3.500
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	3 / 3.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 3.500

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Out	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2001 - Multi Sensor ABN Recon (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 000 - ARL Mod-In-Service
Models of Systems Affected: ARL	**Type Modification:** Operational	**Related RDT&E PEs:**

Manufacturer Information: ARL-C to ARL-M Conversion	
Manufacturer Name: LMIS/SNC	Manufacturer Location: Hagerstown, MD
Administrative Leadtime *(in Months)*: 1	Production Leadtime *(in Months)*: 3

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: ARL-C to ARL-M Conversion	Method of Implementation: Contractor	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Out	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2001 - Multi Sensor ABN Recon (MIP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 000 - ARL Mod-In-Service
Models of Systems Affected: ARL	**Type Modification:** Operational	**Related RDT&E PEs:**

Manufacturer Information: Completed Mods

Manufacturer Name: Various	Manufacturer Location: Various
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Completed Mods	Method of Implementation: Contractor	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS

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

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	6,022.908	331.230	178.805	53.559	-	53.559	325.213	246.335	247.267	264.314	580.576	8,250.207
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	6,022.908	331.230	178.805	53.559	-	53.559	325.213	246.335	247.267	264.314	580.576	8,250.207
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**6,022.908**	**331.230**	**178.805**	**53.559**	**-**	**53.559**	**325.213**	**246.335**	**247.267**	**264.314**	**580.576**	**8,250.207**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The AH-64 MODS (AA6606) program provides for modernization of the fielded AH-64D Longbow Apache (LBA) fleet. AH-64D is a tandem cockpit, twin engine, single main rotor attack helicopter. The LBA aircraft incorporates the Longbow weapon system and provides the U.S. Army with significant target acquisition and firepower effectiveness, survivability, lethality, and fighting capabilities even during adverse weather conditions. The LBA is equipped with the Fire Control Radar/Radar Frequency Interferometer (FCR/RFI) mission kit and Fire and Forget Longbow HELLFIRE missiles. The Modernized Target Acquisition Designator Sight (MTADS) assembly is an Electro-Optical system that consists of a Day television (DTV), sensor, a Forward Looking Infrared (FLIR) sensor for day and night visibility as well as limited adverse weather operations, a Laser Spot Tracker (LST), and Laser Rangefinder/Designator (LRFD). The Pilot Night Vision Sensor (PNVS) is a FLIR which allows Nap-of-Earth flight operations at night by the pilot independent of the co-pilot/gunner's FLIR. The Longbow is armed with the Hellfire Antitank Missile, 2.75 inch rockets and a 30mm gun capable of defeating armor.

The AH-64 Mods Program allows for near-term operationally driven improvements to the Apache fleet, focusing on deployment lessons learned, reliability improvements, and solving obsolescence issues. Improvements will occur to the Airframe, Armament, Communications, Manned / Unmanned Teaming, Navigation, Sensors, Survivability, Support Elements, and Training Systems. Examples of modifications include Selected Component Recapitalization, Airframe and Sensor Obsolescence upgrades, Software upgrades, Condition Based Maintenance (CBM), Trainer upgrades, the Lightweight Missile Launcher (LWML) and Computer/Processing and Data Display and Control upgrades. Approximately half the Apache fleet will be non AB3 configured past 2020. These modernization efforts are required to ensure the Longbow Apache remains a ready and relevant Soldier asset.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Secondary Distribution	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Total Obligation Authority	331.230	178.805	53.559	-	53.559	325.213	246.335	247.267	264.314

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0000 - AH-64 Modifications	P3A		-	-	6,022.908	-	-	331.230	-	-	178.805	-	-	53.559	-	-	-	-	-	53.559
Total Gross/Weapon System Cost					**6,022.908**			**331.230**			**178.805**			**53.559**			**-**			**53.559**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0000 - AH-64 Modifications	P3A		-	-	325.213	-	-	246.335	-	-	247.267	-	-	264.314	-	-	580.576	-	-	8,250.207
Total Gross/Weapon System Cost					**325.213**			**246.335**			**247.267**			**264.314**			**580.576**			**8,250.207**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY14 Base funding in the amount of $53.559 Million supports modification efforts for the Airframe, Armament, Manned/Unmanned Teaming Mission Command, Sensors, Survivability, Support Elements and training Systems.

All COMPO 1 Active

The Apache Project Manager developed new P Form categories to link the new capabilities to an Apache Work Breakdown Structure. The categories (Airframe, Arnament, Manned/Unmanned Teaming, Mission Command, etc) provide a more logical view and align the funding to a specific part of the aircraft.

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	6,022.908	331.230	178.805	53.559	-	53.559	325.213	246.335	247.267	264.314	580.576	8,250.207
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	6,022.908	331.230	178.805	53.559	-	53.559	325.213	246.335	247.267	264.314	580.576	8,250.207
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**6,022.908**	**331.230**	**178.805**	**53.559**	**-**	**53.559**	**325.213**	**246.335**	**247.267**	**264.314**	**580.576**	**8,250.207**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

Airframe includes modifications to the Structural Subsystems, Propulsion/Drive/Rotor Systems, Health Monitoring System (CBM), and Recap Support/Kits. Structural Subsystems modifications include improvements to the assembled structural and aerodynamic components of the air vehicle to include the fuselage and associated manual flight control systems, rotor equipment, landing gear and associated equipment, environmental controls, racks, mounts, intersystem cables and distribution boxes. The Propulsion/Drive/Rotor Systems includes the Composite Main Rotor Blade (CMRB), engine, transmission, gear boxes and associated linkages. Propulsion/Drive/Rotor Systems together with Engine Electronic Digital Control Unit (EDECU) and Common Hydro-Mechanical Unit (CHMU) provides the capability to carry a heavier combat payload and allow for enhanced performance in high-altitude, hot climates. Landing Gear improvements (High Performance Shock Struts (HPSS)) will improve the aircraft crash survivability and allows for a heavier aircraft with greater combat loads. The Health Monitoring System is associated with CBM support concept and the expansion of the Modernized Signal Processing Unit (MSPU) capabilities, which will continue to evolve, reduce ownership cost and improve the maintenance posture and burden of the Soldier.

The Armament Modification provides funding for the Lightweight Missile Launcher (LWML) upgrade to the M299 configuration launcher on the AH-64D and Pylon Interface Unit (PIU) obsolescence which will be used to address obsolescence issues on multiple components of the PIU. The LWML development, which is led by PM JAMS, is delayed due to technical issues. LWML will likely not be available until FY18. The Current strategy includes procurement of legacy launchers until the LWML becomes available. The HQDA directed LWML upgrade increases reliability and interoperability, reduces procurement costs, alleviates obsolescence issues with the current M299 launcher, and reduces the weight of the aircraft by 145 lbs (31 lbs per launcher). The M299 upgrade allows Soldiers the ability to fire multiple missile variants in any sequence and provides maximum operational flexibility on the battlefield.

Manned/Unmanned Teaming modifications will provide enhanced battlefield situational awareness with the ability to employ over the horizon reconnaissance without exposing the aircraft or the crew to enemy anti-aircraft threats. Modifications will focus on Air-to-Air-to Ground (AAG) capability upgrade which will allow the Apache to transmit and receive UAS or MTADS video between aircraft and/or to a ground user. Additional hardware and software upgrades will meet future interoperability requirements that will generate an integration effort of the Bandwith Enhanced Common Data Link (BECDL) to ensure the Apache will remain compatible with all UAS platforms. UAS weapons fire control capability is a modification effort which will enhance the Apache's combat power and bring additional support to the fight.

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Mission Command includes modifications and/or upgrades to the various Apache processors and displays. Mission Computer / Processing modifications and/or upgrades include improvements to the master data processing unit(s) responsible for coordinating and directing the major avionics mission systems. Displays and Controls modifications and/or upgrades includes improvements to the equipment which presents processed data by specially designed electronic devices through interconnection with computer or component equipment and the associated equipment needed to control the presentation of the necessary flight and tactical information to the crew for efficient management of the aircraft during all segments of the mission profile under day and night during all weather conditions. This equipment includes multifunction displays, control display units, display processors and on-board mission planning systems. Software Upgrades include critical software enhancements that will enable Apache commanders and aircrews to better perform their combat mission.

Sensors include modifications, operational improvements, and/or mitigation of obsolescence issues to the Apache Sensor suite, which includes the MTADS/PNVS, the Modernized Day Sensor Assembly (MDSA), and the Modernized Radar Frequency Interferometer (MRFI) Processor and Receiver. MTADS/PNVS operational and logistics improvements include accelerated application of outstanding Engineering Change Proposals and the sensors overhaul through the Arizona Support Center facility to allow for proper configuration. The MDSA includes three (3) distinct funding phases. MDSA Phase I is the Modernized Laser Rangefinder/Designator (M-LFRD) which provides enhanced laser ranging, improved target designation, and target tracking capability by holding a stabilized laser beam on a distant stationary or moving point target for highly precise handoff to precision guided weapons. M-LFRD replaces the obsolete Laser Transceiver Unit, which mitigates ongoing obsolescence risks, improves reliability and maintainability, and reduces operations and support costs. MDSA Phase II replaces the remaining DSA components, adding a laser pointer and high definition color-camera capability. Phase II funding enables software integration, tooling, and test equipment procurement and system production. MDSA Phase III completes the modernization by adding MILES/TESS compatible laser, allowing aircrews to use the MTADS/MDSA system to its full potential during home station training and Combat Training Center rotations. The MRFI Processor, Receiver, and Antenna solve obsolescence issues on the Single Board Computer and the Parameter Measurement Unit chip. The Electronic Image Intensifier (EI2) Camera will provide performance for fusing visible/near infrared imagery with forward looking infrared (FLIR) imagery, enhanced capability for image fusion and stand alone capability for pilotage which allows the pilot to switch between FLIR, fused and EI2. Additional modifications include Fire Control Radar (FCR) upgrades which will provide range extension, air-to-air improvement, and maritime targeting mode capability while enabling future sensor enhancements. Funding will satisfy emerging requirements for modernizing and resolving obsolescence on all Apache Sensors.

Support Elements include the modification and production of those items, which are not part of the aircraft system but are required to maintain, service, or calibrate the aircraft systems or portions of the aircraft system while not directly engaged in the performance of its mission and will not be in the inventory for support of other weapon systems. Post Production Organic support establishes Depot Pilot Programs at Corpus Christi Army Depot (CCAD) and Tobyhanna Army Depot (TYAD) for selected Depot Level Repairables (DLR) as part of the Original Equipment Manufacturer (OEM) to Depot Transition. Post Production Organic Support (PPOS) provides Depot Maintenance Plant Equipment, Special Tools and Test Equipment, labor training and associated technical data for future repairs once the DLR has transitioned to the depot. PPOS improves Repair Turn Around Time and retain depot maintenance capabilities.

Training Systems include deliverable training services, devices, accessories, aids, equipment, and parts used to facilitate instruction through which personnel will learn to operate and maintain the system with maximum efficiency. Examples include Operator / Maintainer Training (aircraft/classroom), obsolescence and training concurrency to training device systems, and updates to allow individual/team training tasks and collective training. Efforts include the production and upgrade of deliverable training equipment and associated software.

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Procurement												
Apache Sensors Life Extension & Upgrade												
A Kits												
Recurring												
Kit Quantity	669 / 114.005	- / 9.692	- / -	8 / -	- / -	8 / -	13 / -	16 / -	15 / -	15 / -	- / -	736 / 123.697
Equipment (GFE)	0 / 44.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 44.900
Visible Near Infrared (V/NIR)	0 / 28.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 28.600
Other	0 / 6.300	- / 0.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.200
Subtotal Recurring	*669 / 193.805*	*- / 10.592*	*- / -*	*8 / -*	*- / -*	*8 / -*	*13 / -*	*16 / -*	*15 / -*	*15 / -*	*- / -*	*736 / 204.397*
Total, Apache Sensors Life Extension & Upgrade	*669 / 193.805*	*- / 10.592*	*- / -*	*8 / -*	*- / -*	*8 / -*	*13 / -*	*16 / -*	*15 / -*	*15 / -*	*- / -*	*736 / 204.397*
AH-64A MISC Mods $5M or less (no P3a set)												
A Kits												
Recurring												
Interim Contractor Support	0 / 742.559	- / 9.031	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 751.590
Subtotal Recurring	*0 / 742.559*	*- / 9.031*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 751.590*
Total, AH-64A MISC Mods $5M or less (no P3a set)	*0 / 742.559*	*- / 9.031*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 751.590*
Apache Transformation (no P3a set)												
A Kits												
Recurring												
Sets, Kits & Outfits (SKO)	0 / 20.000	- / 3.990	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.990
Equipment, NGF	0 / 29.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 29.100
ASL/PLL	0 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.000
Subtotal Recurring	*0 / 51.100*	*- / 3.990*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 55.090*
Total, Apache Transformation (no P3a set)	*0 / 51.100*	*- / 3.990*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 55.090*
Modernized TADS/PNVS (M-TADS)												
A Kits												
Recurring												
Equipment	542 / 810.800	- / 50.830	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	542 / 861.630
Equipment (OCO)	23 / 49.070	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 49.070
TEDAC/IHDSS	0 / 67.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 67.200

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Other Support	0 / 42.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 42.200
Subtotal Recurring	*565 / 969.270*	- / *50.830*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*565 / 1,020.100*
Total, Modernized TADS/PNVS (M-TADS)	*565 / 969.270*	- / *50.830*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*565 / 1,020.100*
Video from UAS Interoperability Teaming (VUIT-2)												
A Kits												
Recurring												
VUIT-2 -- FY10 OCO	48 / 91.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 91.900
VUIT-2 -- FY11 OCO	144 / 170.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	144 / 170.600
Subtotal Recurring	*192 / 262.500*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*192 / 262.500*
Total, Video from UAS Interoperability Teaming (VUIT-2)	*192 / 262.500*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*192 / 262.500*
Apache Product Improvements												
A Kits												
Recurring												
CBM Hardware/VMEP	368 / 13.100	60 / 4.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	428 / 17.600
Other Recap	0 / 39.800	- / 8.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 48.100
NG Recap Support	0 / 59.110	- / 20.190	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 79.300
CBM Services	0 / 45.400	- / 4.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 49.600
Composite Main Rotor Blade ship sets	0 / 0.000	10 / 17.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 17.100
Other	0 / 563.268	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 563.268
Subtotal Recurring	*368 / 720.678*	*70 / 54.290*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*438 / 774.968*
Total, Apache Product Improvements	*368 / 720.678*	*70 / 54.290*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*438 / 774.968*
Lightweight Missile Launcher (LWML)												
A Kits												
Recurring												
LWML Procurement	362 / 23.464	160 / 10.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	522 / 34.064
Subtotal Recurring	*362 / 23.464*	*160 / 10.600*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*522 / 34.064*
Total, Lightweight Missile Launcher (LWML)	*362 / 23.464*	*160 / 10.600*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*522 / 34.064*
Apache Upgrades and Remanufacture												
A Kits												
Recurring												

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Blk II Reman Aircraft	117 / 1,293.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	117 / 1,293.300
NG Aircraft Procurement	72 / 852.421	- / 13.430	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 865.851
NG Aircraft Procurement (OCO)	23 / 284.530	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 284.530
System / Software Upgrade	0 / 0.000	- / 23.323	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.323
Obsolescence	0 / 0.000	- / 18.257	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.257
NG MEP	0 / 116.760	- / 5.920	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 122.680
Other Support	0 / 170.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 170.300
Subtotal Recurring	*212 / 2,717.311*	*- / 60.930*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*212 / 2,778.241*
Total, Apache Upgrades and Remanufacture	*212 / 2,717.311*	*- / 60.930*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*212 / 2,778.241*
Modernized Day Side Assembly (M-DSA), Phase1												
A Kits												
Recurring												
Equipment	11 / 18.487	158 / 102.347	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	169 / 120.834
Subtotal Recurring	*11 / 18.487*	*158 / 102.347*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*169 / 120.834*
Total, Modernized Day Side Assembly (M-DSA), Phase1	*11 / 18.487*	*158 / 102.347*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*169 / 120.834*
Fire Control Radar (FCR)												
A Kits												
Recurring												
Installation Kits	27 / 105.620	3 / 28.620	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 134.240
Installation Kits (OCO)	9 / 44.880	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 44.880
Subtotal Recurring	*36 / 150.500*	*3 / 28.620*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*39 / 179.120*
Total, Fire Control Radar (FCR)	*36 / 150.500*	*3 / 28.620*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*39 / 179.120*
Apache Block III												
A Kits												
Recurring												
Long Lead Items	0 / 11.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.100
A to Block III (NRE)	0 / 29.370	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 29.370
Subtotal Recurring	*0 / 40.470*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 40.470*
Total, Apache Block III	*0 / 40.470*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 40.470*
Apache Training Aids, Devices, Simulators & Simul												
A Kits												

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Recurring												
LCT (NG/USAACE/WAATS)	5 / 84.860	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 84.860
System TADSS	50 / 24.404	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 24.404
Subtotal Recurring	*55 / 109.264*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*55 / 109.264*
Total, Apache Training Aids, Devices, Simulators & Simul	*55 / 109.264*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*55 / 109.264*
Airframe												
A Kits												
Recurring												
Structural Subsystems	0 / 0.000	- / -	- / 5.875	- / -	- / -	- / -	- / 14.126	- / 7.872	- / 9.207	- / 16.200	- / -	- / 53.280
Health Monitoring System	0 / 0.000	- / -	- / 3.500	- / 3.011	- / -	- / 3.011	- / 4.130	- / 5.070	- / 4.655	- / 5.000	- / -	- / 25.366
Recap Support / Kits	0 / 0.000	- / -	- / 7.964	- / 21.669	- / -	- / 21.669	- / 31.741	- / 31.816	- / 31.892	- / 32.360	- / -	- / 157.442
Other Support	0 / 0.000	- / -	- / -	- / 3.136	- / -	- / 3.136	- / 6.085	- / 4.822	- / 5.118	- / 8.047	- / -	- / 27.208
Subtotal Recurring	*0 / 0.000*	- / -	- / *17.339*	- / *27.816*	- / -	- / *27.816*	- / *56.082*	- / *49.580*	- / *50.872*	- / *61.607*	- / -	- / *263.296*
B Kits												
Non-Recurring												
Propulsion-Drive-Rotor Systems	0 / 0.000	- / -	72 / 11.981	- / -	- / -	- / -	- / 4.711	- / -	- / -	16 / 2.887	- / -	88 / 19.579
Subtotal Non-Recurring	*0 / 0.000*	- / -	*72 / 11.981*	- / -	- / -	- / -	- / *4.711*	- / -	- / -	*16 / 2.887*	- / -	*88 / 19.579*
Total, Airframe	*0 / 0.000*	- / -	*72 / 29.320*	- / *27.816*	- / -	- / *27.816*	- / *60.793*	- / *49.580*	- / *50.872*	*16 / 64.494*	- / -	*88 / 282.875*
Armament												
A Kits												
Recurring												
PIU Obsolescence	0 / 0.000	- / -	- / 6.000	- / -	- / -	- / -	- / 6.500	- / -	- / -	- / 4.022	- / -	- / 16.522
Subtotal Recurring	*0 / 0.000*	- / -	- / *6.000*	- / -	- / -	- / -	- / *6.500*	- / -	- / -	- / *4.022*	- / -	- / *16.522*
B Kits												
Non-Recurring												
M299/Lightweight Missile Launcher	0 / 0.000	- / -	- / -	- / -	- / -	- / -	276 / 29.826	53 / 5.717	94 / 10.427	52 / 5.360	- / -	475 / 51.330
Subtotal Non-Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	*276 / 29.826*	*53 / 5.717*	*94 / 10.427*	*52 / 5.360*	- / -	*475 / 51.330*
Total, Armament	*0 / 0.000*	- / -	- / *6.000*	- / -	- / -	- / -	*276 / 36.326*	*53 / 5.717*	*94 / 10.427*	*52 / 9.382*	- / -	*475 / 67.852*
Manned / Unmanned Teaming												
B Kits												

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Recurring												
UTA Upgrade	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 6.000	- / 5.000	- / -	- / -	- / -	- / 11.000
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / *6.000*	- / *5.000*	- / -	- / -	- / -	- / *11.000*
Total, Manned / Unmanned Teaming	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / *6.000*	- / *5.000*	- / -	- / -	- / -	- / *11.000*
Mission Command												
A Kits												
Recurring												
Processors	0 / 0.000	- / -	- / 12.000	- / 6.324	- / -	- / 6.324	- / 23.836	- / 25.209	- / 25.473	- / 22.000	- / -	- / 114.842
Displays	0 / 0.000	- / -	- / 5.000	- / 7.186	- / -	- / 7.186	- / 6.131	- / 7.650	- / 7.650	- / 8.000	- / -	- / 41.617
Subtotal Recurring	*0 / 0.000*	- / -	- / *17.000*	- / *13.510*	- / -	- / *13.510*	- / *29.967*	- / *32.859*	- / *33.123*	- / *30.000*	- / -	- / *156.459*
Total, Mission Command	*0 / 0.000*	- / -	- / *17.000*	- / *13.510*	- / -	- / *13.510*	- / *29.967*	- / *32.859*	- / *33.123*	- / *30.000*	- / -	- / *156.459*
Sensors												
A Kits												
Recurring												
Fire Control Radar	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 46.183	- / 44.212	- / 47.466	- / -	- / -	- / 137.861
MTADS/PNVS	0 / 0.000	- / -	- / 11.468	- / 7.880	- / -	- / 7.880	- / 13.158	- / 15.806	- / 15.357	- / 15.260	- / -	- / 78.929
RFI	0 / 0.000	- / -	- / 4.370	- / 3.159	- / -	- / 3.159	- / -	- / -	- / -	- / -	- / -	- / 7.529
Other Support	0 / 0.000	- / -	- / -	- / 1.194	- / -	- / 1.194	- / 12.855	- / 10.778	- / 11.352	- / 10.283	- / -	- / 46.462
Subtotal Recurring	*0 / 0.000*	- / -	- / *15.838*	- / *12.233*	- / -	- / *12.233*	- / *72.196*	- / *70.796*	- / *74.175*	- / *25.543*	- / -	- / *270.781*
B Kits												
Non-Recurring												
MDSA Phase 1	0 / 0.000	- / -	138 / 81.523	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	138 / 81.523
MDSA Phase 2	0 / 0.000	- / -	- / -	- / -	- / -	- / -	15 / 74.861	30 / 74.890	38 / 75.195	48 / 70.000	- / -	131 / 294.946
MDSA Phase 3	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 10.300	- / -	24 / 10.300
EI2	0 / 0.000	- / -	- / -	- / -	- / -	- / -	264 / 21.370	- / -	- / -	- / -	- / -	264 / 21.370
Subtotal Non-Recurring	*0 / 0.000*	- / -	*138 / 81.523*	- / -	- / -	- / -	*279 / 96.231*	*30 / 74.890*	*38 / 75.195*	*72 / 80.300*	- / -	*557 / 408.139*
Total, Sensors	*0 / 0.000*	- / -	*138 / 97.361*	- / *12.233*	- / -	- / *12.233*	*279 / 168.427*	*30 / 145.686*	*38 / 149.370*	*72 / 105.843*	- / -	*557 / 678.920*
Support Elements												
A Kits												
Recurring												

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Post Production Organic Support	0 / 0.000	- / -	- / 8.438	- / -	- / -	- / -	- / -	- / 2.764	- / -	- / 48.595	- / -	- / 59.797
Subtotal Recurring	*0 / 0.000*	- / -	- / *8.438*	- / -	- / -	- / -	- / -	- / *2.764*	- / -	- / *48.595*	- / -	- / *59.797*
Total, Support Elements	*0 / 0.000*	- / -	- / *8.438*	- / -	- / -	- / -	- / -	- / *2.764*	- / -	- / *48.595*	- / -	- / *59.797*
Training Systems												
A Kits												
Recurring												
Operator Devices	0 / 0.000	- / -	- / 16.980	- / -	- / -	- / -	- / 14.500	- / 2.557	- / 0.800	- / 3.000	- / -	- / 37.837
Maintainer Devices	0 / 0.000	- / -	- / 3.706	- / -	- / -	- / -	- / 9.200	- / 2.172	- / 2.675	- / 3.000	- / -	- / 20.753
TC	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 580.576	- / 580.576
Subtotal Recurring	*0 / 0.000*	- / -	- / *20.686*	- / -	- / -	- / -	- / *23.700*	- / *4.729*	- / *3.475*	- / *6.000*	- / *580.576*	- / *639.166*
Total, Training Systems	*0 / 0.000*	- / -	- / *20.686*	- / -	- / -	- / -	- / *23.700*	- / *4.729*	- / *3.475*	- / *6.000*	- / *580.576*	- / *639.166*
Total Procurement, All Modifications	*2,470 / 5,999.408*	*391 / 331.230*	*210 / 178.805*	*8 / 53.559*	- / -	*8 / 53.559*	*568 / 325.213*	*99 / 246.335*	*147 / 247.267*	*155 / 264.314*	- / *580.576*	*4,048 / 8,226.707*
Total Procurement and Support	*5,999.408*	*331.230*	*178.805*	*53.559*	-	*53.559*	*325.213*	*246.335*	*247.267*	*264.314*	*580.576*	*8,226.707*
Apache Sensors Life Extension & Upgrade Installation Cost	657 / 0.000	93 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	750 / -
AH-64A MISC Mods $5M or less (no P3a set) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Apache Transformation (no P3a set) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Modernized TADS/PNVS (M-TADS) Installation Cost	499 / 0.000	43 / -	23 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	565 / -
Video from UAS Interoperability Teaming (VUIT-2) Installation Cost	24 / 0.000	84 / -	108 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	216 / -
Apache Product Improvements Installation Cost	972 / 23.500	- / -	60 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,032 / 23.500
Lightweight Missile Launcher (LWML) Installation Cost	0 / 0.000	362 / -	160 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	522 / -
Apache Upgrades and Remanufacture Installation Cost	176 / 0.000	60 / -	23 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	259 / -
Modernized Day Side Assembly (M-DSA), Phase1 Installation Cost	0 / 0.000	- / -	17 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / -
Fire Control Radar (FCR) Installation Cost	0 / 0.000	24 / -	3 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / -
Apache Block III Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Apache Training Aids, Devices, Simulators & Simul Installation Cost	1 / 0.000	25 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / -

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Airframe Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	72 / -	- / -	- / -	16 / -	- / -	88 / -
Armament Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	276 / -	53 / -	94 / -	52 / -	475 / -
Manned / Unmanned Teaming Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Mission Command Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Sensors Installation Cost	0 / 0.000	- / -	- / -	40 / -	- / -	40 / -	296 / -	78 / -	36 / -	45 / -	91 / -	586 / -
Support Elements Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Training Systems Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Installation Cost	*2,329 / 23.500*	*691 / -*	*394 / -*	*40 / -*	*- / -*	*40 / -*	*368 / -*	*354 / -*	*89 / -*	*155 / -*	*143 / -*	*4,563 / 23.500*
Total Cost (Procurement + Support + Installation)	**6,022.908**	**331.230**	**178.805**	**53.559**	**-**	**53.559**	**325.213**	**246.335**	**247.267**	**264.314**	**580.576**	**8,250.207**

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Apache Sensors Life Extension & Upgrade

Manufacturer Name: Various	Manufacturer Location: Various
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 1

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Nov 2011						
Delivery Dates	Dec 2011						

Installation: Apache Sensors Life Extension & Upgrade | **Method of Implementation:** Modification | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	633 / 0.000	48 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	681 / 0.000
FY 2012	24 / 0.000	45 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	69 / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	657 / 0.000	93 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	750 / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	678	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	714
Out	669	12	12	12	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	714

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: AH-64A MISC Mods $5M or less (no P3a set)

Manufacturer Name: Various	Manufacturer Location: Various
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: AH-64A MISC Mods $5M or less (no P3a set) | **Method of Implementation:** NA | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Apache Transformation (no P3a set)

Manufacturer Name: NA	Manufacturer Location: NA
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Apache Transformation (no P3a set)	Method of Implementation: NA	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Modernized TADS/PNVS (M-TADS)

Manufacturer Name: Lockheed Martin	Manufacturer Location: Orlando, FL
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 24

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates		Dec 2011					
Delivery Dates		Dec 2013					

Installation: Modernized TADS/PNVS (M-TADS)	Method of Implementation: Modification	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	499 / 0.000	43 / 0.000	23 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	565 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	499 / 0.000	43 / -	23 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	565 / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	499	11	10	10	12	-	-	6	9	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	565
Out	499	11	10	10	12	-	-	6	9	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	565

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Video from UAS Interoperability Teaming (VUIT-2)

Manufacturer Name: Science and Engineering Services, Inc	Manufacturer Location: Huntsville, AL
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Apr 2010						
Delivery Dates							

Installation: Video from UAS Interoperability Teaming (VUIT-2)	**Method of Implementation:** .	**Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	24 / 0.000	84 / 0.000	108 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	216 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	24 / 0.000	84 / -	108 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	216 / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	84	36	36	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	192
Out	84	36	36	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	192

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Apache Product Improvements

Manufacturer Name: Various	Manufacturer Location: Various
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates			Feb 2012				
Delivery Dates			Mar 2012				

Installation: Apache Product Improvements | **Method of Implementation:** . | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	772 / 19.200	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	772 / 19.200
FY 2012	100 / 1.800	- / -	60 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	160 / 1.800
FY 2013	100 / 2.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 2.500
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	972 / 23.500	- / -	60 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,032 / 23.500

Installation Schedule

		FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018					
	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	TC	Tot
In	972	-	-	-	-	15	15	15	15	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,042
Out	972	-	-	-	-	15	15	15	15	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,042

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Lightweight Missile Launcher (LWML)

Manufacturer Name: Lockheed Martin	Manufacturer Location: Orlando, FL
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Sep 2007						
Delivery Dates							

Installation: Lightweight Missile Launcher (LWML) | **Method of Implementation:** Modification | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	362 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	362 / 0.000
FY 2012	0 / 0.000	- / -	160 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	160 / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	362 / -	160 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	522 / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	362	40	40	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	522
Out	-	90	90	91	91	40	40	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	522

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Apache Upgrades and Remanufacture

Manufacturer Name: Boeing	Manufacturer Location: Mesa, AZ
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Mar 2006						
Delivery Dates							

Installation: Apache Upgrades and Remanufacture	Method of Implementation: Remanufacture	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	176 / 0.000	60 / 0.000	23 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	259 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	176 / 0.000	60 / -	23 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	259 / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	189	5	6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	212
Out	176	3	4	3	3	5	6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	212

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Modernized Day Side Assembly (M-DSA), Phase1

Manufacturer Name: Lockheed Martin	Manufacturer Location: Orlando, FL
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 30

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Sep 2011						
Delivery Dates	Mar 2013						

Installation: Modernized Day Side Assembly (M-DSA), Phase1 | **Method of Implementation:** Modification | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	11 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	11 / 0.000
FY 2012	0 / 0.000	- / -	6 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	17 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	1	6	10	26	45	52	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	158
Out	-	-	-	-	-	-	-	-	17	26	45	52	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	158

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Fire Control Radar (FCR)

Manufacturer Name: Longbow Limited	Manufacturer Location: Owego, NY
Administrative Leadtime *(in Months)*: 4	Production Leadtime *(in Months)*: 24

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Jan 2012						
Delivery Dates	Jan 2014						

Installation: Fire Control Radar (FCR) | **Method of Implementation:** Modification | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	24 / 0.000	3 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	27 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	24 / -	3 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	7	8	6	3	-	-	2	1	-	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36
Out	-	7	8	6	3	-	-	2	1	-	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Apache Block III

Manufacturer Name: .	Manufacturer Location: .
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates			Feb 2012				
Delivery Dates			Feb 2012				

Installation: Apache Block III | **Method of Implementation:** . | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Apache Training Aids, Devices, Simulators & Simul

Manufacturer Name: .	Manufacturer Location: .
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates			Feb 2012				
Delivery Dates			Feb 2012				

Installation: Apache Training Aids, Devices, Simulators & Simul | **Method of Implementation:** . | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	1 / 0.000	25 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	26 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.000	25 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Airframe

Manufacturer Name: Various	Manufacturer Location: Various
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Airframe	Method of Implementation: Modifications	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	72 / -	- / -	- / -	- / -	- / -	72 / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / -	- / -	16 / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	72 / -	- / -	- / -	16 / -	- / -	88 / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Armament

Manufacturer Name: Various	Manufacturer Location: Various
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Armament	Method of Implementation: Modification	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	276 / -	- / -	- / -	- / -	276 / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	53 / -	- / -	- / -	53 / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	94 / -	- / -	94 / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / -	52 / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	276 / -	53 / -	94 / -	52 / -	475 / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Manned / Unmanned Teaming

Manufacturer Name: Lockheed Martin	Manufacturer Location: Orlando, FL
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Manned / Unmanned Teaming | **Method of Implementation:** Field Retrofit | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Mission Command

Manufacturer Name: Various	Manufacturer Location: Various
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Mission Command | **Method of Implementation:** . | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Sensors

Manufacturer Name: Lockheed Martin	Manufacturer Location: Orlando, FL
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Sensors | **Method of Implementation:** Modifications | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	40 / -	- / -	40 / -	98 / -	- / -	- / -	- / -	- / -	138 / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	198 / -	78 / -	- / -	- / -	- / -	276 / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / -	- / -	- / -	36 / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / -	- / -	45 / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	91 / -	91 / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	40 / -	- / -	40 / -	296 / -	78 / -	36 / -	45 / -	91 / -	586 / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Support Elements

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Support Elements	Method of Implementation: .	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA6605 - AH-64 MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - AH-64 Modifications
Models of Systems Affected: Longbow Apache	**Type Modification:** Operational & Reliability Improvements and Resolve Obsolescence Issues	**Related RDT&E PEs:**

Manufacturer Information: Training Systems

Manufacturer Name: Boeing / LSI Inc	Manufacturer Location: St. Louis, MO / Jacksonville, FL
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Training Systems | **Method of Implementation:** Field Retrofits | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**
MDAP/MAIS Code(s):	**Other Related Program Elements:** 0203744A

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	10,812.035	69.012	39.135	149.764	-	149.764	89.975	144.811	280.431	406.910	6,612.220	18,604.293
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	10,812.035	69.012	39.135	149.764	-	149.764	89.975	144.811	280.431	406.910	6,612.220	18,604.293
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**10,812.035**	**69.012**	**39.135**	**149.764**	**-**	**149.764**	**89.975**	**144.811**	**280.431**	**406.910**	**6,612.220**	**18,604.293**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The CH-47 Chinook is a twin-turbine, tandem-rotor, heavy lift transport helicopter with a useful load of up to 25,000 pounds. As the Armys only heavy lift helicopter, the mission of the CH-47 is to transport troops (including air assault), supplies, weapons, and other cargo in general support operations. The CH-47 is vital to the Overseas Contingency Operations and Homeland Security needs of our nation. Secondary missions include medical evacuation, aircraft recovery, parachute drops, disaster relief, and search and rescue. These aircraft are fielded to heavy helicopter companies and Special Operations Aviation. The major modifications include the Cargo On/Off Loading System, Ballistic Protection Systems, Rotor Blades, Airframe Optimization and Payload Buyback, Crashworthy Seats, Cargo Platform Health Environment, Adjustable Pitch Change Link, Engine Improvement, Transformation Sets, Kits and Outfits, Aircraft Component Parts-Marking, and Hook Load Measurement System.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	69.012	39.135	149.764	-	149.764	89.975	144.811	280.431	406.910

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0000 - CH-47 Cargo Helicopter Mods	P3A		-	-	10,812.035	-	-	69.012	-	-	39.135	-	-	149.764	-	-	-	-	-	149.764

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0203744A
MDAP/MAIS Code(s):		

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
Total Gross/Weapon System Cost					**10,812.035**			**69.012**			**39.135**			**149.764**			**-**			**149.764**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0000 - CH-47 Cargo Helicopter Mods	P3A		-	-	89.975	-	-	144.811	-	-	280.431	-	-	406.910	-	-	6,612.220	-	-	18,604.293
Total Gross/Weapon System Cost					**89.975**			**144.811**			**280.431**			**406.910**			**6,612.220**			**18,604.293**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

In accordance with Section 1815 of the 2009 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the Active and Reserve Components of Armed Forces for homeland and defense missions, domestic emergency responses, and providing military support to civil authorities.

The FY 14 Base procurement dollars in the amount of $149.764 million supports the major modifications that include the Cargo On/Off Loading System, Ballistic Protection Systems, Rotor Blades, Airframe Optimization and Payload Buyback, Crashworthy Seats, Cargo Platform Health Environment, Adjustable Pitch Change Link, Engine Improvement, Transformation Sets, Kits and Outfits, Aircraft Component Parts-Marking, and Hook Load Measurement System.

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	10,812.035	69.012	39.135	149.764	-	149.764	89.975	144.811	280.431	406.910	6,612.220	18,604.293
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	10,812.035	69.012	39.135	149.764	-	149.764	89.975	144.811	280.431	406.910	6,612.220	18,604.293
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**10,812.035**	**69.012**	**39.135**	**149.764**	**-**	**149.764**	**89.975**	**144.811**	**280.431**	**406.910**	**6,612.220**	**18,604.293**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The major modifications include Cargo On/Off Loading System, Ballistic Protection Systems, Rotor Blades, Airframe Optimization and Payload Buyback, Crashworthy Seats, Cargo Platform Health Environment, Adjustable Pitch Change Link, Engine Improvement, Transformation Sets, Kits and Outfits, Aircraft Component Parts-Marking, and Hook Load Measurement System.

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods
Models of Systems Affected: CH-47	**Type Modification:** Unclassified	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Procurement												
Cargo On/Off Loading System (COOLS) and COOLS BPS												
A Kits												
Recurring												
Ballistic Protection System (BPS)	74 / 10.700	- / -	52 / 12.117	47 / 11.056	- / -	47 / 11.056	- / -	- / -	- / -	- / -	- / -	173 / 33.873
PM Support	0 / 0.607	- / -	- / 1.253	- / 0.770	- / -	- / 0.770	- / 0.784	- / 0.798	- / 0.631	- / 0.264	- / -	- / 5.107
Cargo Handling Floor System	0 / 33.100	- / -	52 / 11.016	72 / 15.396	- / -	72 / 15.396	72 / 15.674	72 / 15.957	56 / 12.634	23 / 5.282	- / -	347 / 109.059
Cargo Handling Floor System (OCO)	26 / 29.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 29.300
PM Support (OCO)	0 / 8.010	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.010
Subtotal Recurring	*100 / 81.717*	- / -	*104 / 24.386*	*119 / 27.222*	- / -	*119 / 27.222*	*72 / 16.458*	*72 / 16.755*	*56 / 13.265*	*23 / 5.546*	- / -	*546 / 185.349*
Total, Cargo On/Off Loading System (COOLS) and COOLS BPS	*100 / 81.717*	- / -	*104 / 24.386*	*119 / 27.222*	- / -	*119 / 27.222*	*72 / 16.458*	*72 / 16.755*	*56 / 13.265*	*23 / 5.546*	- / -	*546 / 185.349*
Advanced Chinook Rotor Blade												
A Kits												
Recurring												
Rotor Blades Shipsets	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	33 / 11.234	148 / 50.871	405 / 141.309	3,098 / 1,100.533	3,684 / 1,303.947
PM Support	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.562	- / 2.544	- / 7.052	- / 55.563	- / 65.721
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	*33 / 11.796*	*148 / 53.415*	*405 / 148.361*	*3,098 / 1,156.096*	*3,684 / 1,369.668*
Total, Advanced Chinook Rotor Blade	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	*33 / 11.796*	*148 / 53.415*	*405 / 148.361*	*3,098 / 1,156.096*	*3,684 / 1,369.668*
Airframe Optimization and Payload Buyback												
A Kits												
Recurring												
PM Support	0 / 0.000	- / -	- / -	- / 2.147	- / -	- / 2.147	- / 0.787	- / 2.252	- / 5.964	- / 8.966	- / 52.305	- / 72.421
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / *2.147*	- / -	- / *2.147*	- / *0.787*	- / *2.252*	- / *5.964*	- / *8.966*	- / *52.305*	- / *72.421*
Non-Recurring												
NRE	0 / 0.000	- / -	- / -	- / 42.945	- / -	- / 42.945	- / 15.743	- / 45.062	- / 119.272	- / 179.281	- / 1,046.266	- / 1,448.569
Subtotal Non-Recurring	*0 / 0.000*	- / -	- / -	- / *42.945*	- / -	- / *42.945*	- / *15.743*	- / *45.062*	- / *119.272*	- / *179.281*	- / *1,046.266*	- / *1,448.569*
Total, Airframe Optimization and Payload Buyback	*0 / 0.000*	- / -	- / -	- / *45.092*	- / -	- / *45.092*	- / *16.530*	- / *47.314*	- / *125.236*	- / *188.247*	- / *1,098.571*	- / *1,520.990*

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods
Models of Systems Affected: CH-47	**Type Modification:** Unclassified	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Crash Resistant Troop Seats												
A Kits												
Recurring												
Installation Kits	0 / 0.000	- / -	- / -	- / -	- / -	- / -	70 / 0.229	210 / 0.698	210 / 0.711	69 / 0.238	- / -	559 / 1.876
PM Support	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.226	- / 0.691	- / 0.703	- / 0.088	- / -	- / 1.708
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	*70 / 0.455*	*210 / 1.389*	*210 / 1.414*	*69 / 0.326*	- / -	*559 / 3.584*
B Kits												
Recurring												
Seats SS (31 seats per SS)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	70 / 4.115	210 / 12.566	210 / 12.792	69 / 4.279	- / -	559 / 33.752
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	*70 / 4.115*	*210 / 12.566*	*210 / 12.792*	*69 / 4.279*	- / -	*559 / 33.752*
Total, Crash Resistant Troop Seats	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	*140 / 4.570*	*420 / 13.955*	*420 / 14.206*	*138 / 4.605*	- / -	*1,118 / 37.336*
Crashworthy Pilot Seats												
A Kits												
Recurring												
Crashworthy Seats Pilot CoPilot	0 / 0.000	- / -	- / -	120 / 5.132	- / -	120 / 5.132	100 / 4.354	100 / 4.432	240 / 10.829	240 / 11.024	550 / 26.039	1,350 / 61.810
PM Support	0 / 0.000	- / -	- / -	- / 0.257	- / -	- / 0.257	- / 0.337	- / 0.238	- / 0.557	- / 0.591	- / 1.438	- / 3.418
Subtotal Recurring	*0 / 0.000*	- / -	- / -	*120 / 5.389*	- / -	*120 / 5.389*	*100 / 4.691*	*100 / 4.670*	*240 / 11.386*	*240 / 11.615*	*550 / 27.477*	*1,350 / 65.228*
Total, Crashworthy Pilot Seats	*0 / 0.000*	- / -	- / -	*120 / 5.389*	- / -	*120 / 5.389*	*100 / 4.691*	*100 / 4.670*	*240 / 11.386*	*240 / 11.615*	*550 / 27.477*	*1,350 / 65.228*
Cargo Platform Health Environment												
A Kits												
Recurring												
Kits	0 / 0.000	50 / 7.575	- / -	125 / 23.019	- / -	125 / 23.019	20 / 3.683	27 / 4.972	14 / 2.578	17 / 3.131	14 / 2.578	267 / 47.536
CPHE Software Upgrade	0 / 0.000	- / -	- / -	- / 0.160	- / -	- / 0.160	- / 0.163	- / 0.166	- / 0.169	- / 0.172	- / 0.175	- / 1.005
Services	0 / 0.000	- / -	- / -	- / 2.389	- / -	- / 2.389	- / 2.325	- / 1.874	- / 1.874	- / -	- / -	- / 8.462
PM Support	0 / 0.000	- / 0.459	- / -	- / 1.279	- / -	- / 1.279	- / 0.308	- / 0.351	- / 0.231	- / 0.178	- / 0.138	- / 2.944
Subtotal Recurring	*0 / 0.000*	*50 / 8.034*	- / -	*125 / 26.847*	- / -	*125 / 26.847*	*20 / 6.479*	*27 / 7.363*	*14 / 4.852*	*17 / 3.481*	*14 / 2.891*	*267 / 59.947*
Non-Recurring												
NRE	0 / 0.000	- / 1.614	- / 10.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.714
Subtotal Non-Recurring	*0 / 0.000*	*- / 1.614*	*- / 10.100*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 11.714*
Total, Cargo Platform Health Environment	*0 / 0.000*	*50 / 9.648*	*- / 10.100*	*125 / 26.847*	- / -	*125 / 26.847*	*20 / 6.479*	*27 / 7.363*	*14 / 4.852*	*17 / 3.481*	*14 / 2.891*	*267 / 71.661*
Adjustable Pitch Change Link												

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods
Models of Systems Affected: CH-47	**Type Modification:** Unclassified	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
A Kits												
Recurring												
Boot & Link Assemblies	66 / 4.900	- / -	- / -	60 / 4.619	- / -	60 / 4.619	100 / 7.837	100 / 7.978	112 / 9.096	62 / 5.126	- / -	500 / 39.556
PM Support	0 / 0.000	- / -	- / -	- / 0.482	- / -	- / 0.482	- / 0.392	- / 0.399	- / 0.455	- / 0.270	- / -	- / 1.998
Subtotal Recurring	*66 / 4.900*	- / -	- / -	*60 / 5.101*	- / -	*60 / 5.101*	*100 / 8.229*	*100 / 8.377*	*112 / 9.551*	*62 / 5.396*	- / -	*500 / 41.554*
Non-Recurring												
Tools and Facilitization	0 / 0.000	- / -	- / -	- / 5.028	- / -	- / 5.028	- / -	- / -	- / -	- / -	- / -	- / 5.028
Subtotal Non-Recurring	*0 / 0.000*	- / -	- / -	- / *5.028*	- / -	- / *5.028*	- / -	- / -	- / -	- / -	- / -	- / *5.028*
Total, Adjustable Pitch Change Link	*66 / 4.900*	- / -	- / -	*60 / 10.129*	- / -	*60 / 10.129*	*100 / 8.229*	*100 / 8.377*	*112 / 9.551*	*62 / 5.396*	- / -	*500 / 46.582*
Engine Improvement												
A Kits												
Recurring												
T55 Engine Control Unit Prog (ECU)	667 / 45.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	667 / 45.000
New Engines	1,250 / 2,495.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,250 / 2,495.000
P3 Check Valve	373 / 4.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	373 / 4.900
Next Generation Torque System	404 / 14.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	404 / 14.500
FADEC Continuity Test Set	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	100 / 2.770	100 / 2.820	- / -	- / -	200 / 5.590
Logistics	0 / 39.953	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 39.953
ECU Upgrade	0 / 0.700	- / 0.700	- / -	- / 1.361	- / -	- / 1.361	- / 0.836	- / 0.554	- / 0.564	- / 0.574	- / -	- / 5.289
Next Generation Ratio Detector Power Sup	0 / 0.000	- / -	- / -	100 / 1.069	- / -	100 / 1.069	100 / 1.089	100 / 1.108	100 / 1.128	100 / 1.148	- / -	500 / 5.542
RIMFIRE	0 / 0.000	- / 0.400	- / 0.400	- / 0.428	- / -	- / 0.428	- / 0.435	- / 0.443	- / 0.451	- / 0.459	- / 6.428	- / 9.444
Digital Maint Panel Upgrade	0 / 0.000	- / 0.825	- / -	50 / 4.410	- / -	50 / 4.410	50 / 4.490	60 / 5.485	80 / 7.445	80 / 7.579	373 / 36.882	693 / 67.116
PM Admin Support	0 / 4.200	- / 0.264	- / 0.021	- / 0.385	- / -	- / 0.385	- / 0.365	- / 0.519	- / 0.643	- / 0.488	- / 2.166	- / 9.051
Subtotal Recurring	*2,694 / 2,604.253*	- / *2.189*	- / *0.421*	*150 / 7.653*	- / -	*150 / 7.653*	*150 / 7.215*	*260 / 10.879*	*280 / 13.051*	*180 / 10.248*	*373 / 45.476*	*4,087 / 2,701.385*
Non-Recurring												
Next Generation Torque System Test Set	0 / 0.000	- / 3.357	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.357
ECP NRE/Incorporation	0 / 0.000	- / -	- / -	- / 0.428	- / -	- / 0.428	- / 0.435	- / -	- / 0.451	- / -	- / -	- / 1.314
Subtotal Non-Recurring	*0 / 0.000*	- / *3.357*	- / -	- / *0.428*	- / -	- / *0.428*	- / *0.435*	- / -	- / *0.451*	- / -	- / -	- / *4.671*
Total, Engine Improvement	*2,694 / 2,604.253*	- / *5.546*	- / *0.421*	*150 / 8.081*	- / -	*150 / 8.081*	*150 / 7.650*	*260 / 10.879*	*280 / 13.502*	*180 / 10.248*	*373 / 45.476*	*4,087 / 2,706.056*
Transformation Sets, Kits and Outfits												

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods
Models of Systems Affected: CH-47	**Type Modification:** Unclassified	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
A Kits												
Recurring												
SKOs	29 / 76.900	7 / 9.000	- / 1.000	- / 2.796	- / -	- / 2.796	- / -	- / -	- / -	- / -	- / -	36 / 89.696
Subtotal Recurring	*29 / 76.900*	*7 / 9.000*	*- / 1.000*	*- / 2.796*	*- / -*	*- / 2.796*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*36 / 89.696*
Total, Transformation Sets, Kits and Outfits	*29 / 76.900*	*7 / 9.000*	*- / 1.000*	*- / 2.796*	*- / -*	*- / 2.796*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*36 / 89.696*
Aircraft Component Parts-Marking												
A Kits												
Recurring												
Component Markings	0 / 21.000	- / -	- / 1.300	- / 2.900	- / -	- / 2.900	- / 1.400	- / 1.500	- / 3.200	- / 3.200	- / -	- / 34.500
Subtotal Recurring	*0 / 21.000*	*- / -*	*- / 1.300*	*- / 2.900*	*- / -*	*- / 2.900*	*- / 1.400*	*- / 1.500*	*- / 3.200*	*- / 3.200*	*- / -*	*- / 34.500*
Total, Aircraft Component Parts-Marking	*0 / 21.000*	*- / -*	*- / 1.300*	*- / 2.900*	*- / -*	*- / 2.900*	*- / 1.400*	*- / 1.500*	*- / 3.200*	*- / 3.200*	*- / -*	*- / 34.500*
CH-47 MISC Mods $5M or Less												
A Kits												
Recurring												
DSS Algorithm Development	0 / 0.000	- / 2.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.500
Voltage Standing Wave Ratio (VSWR)	0 / 0.000	- / -	- / -	- / 2.239	- / -	- / 2.239	- / -	- / -	- / -	- / -	- / -	- / 2.239
Aircraft Continuity Test Set (ACTS)	0 / 0.000	- / -	- / -	- / 4.200	- / -	- / 4.200	- / -	- / -	- / -	- / -	- / -	- / 4.200
Misc Mods for Millville	0 / 10.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.000
Combining Transmission Fan Drive Shaft	0 / 0.000	- / -	- / -	- / 1.400	- / -	- / 1.400	- / -	- / -	- / -	- / -	- / -	- / 1.400
Swashplate Assembly	0 / 0.000	- / 3.600	- / -	- / 0.575	- / -	- / 0.575	- / -	- / -	- / -	- / -	- / -	- / 4.175
Hook Load Measuring System	0 / 10.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.000	- / 3.200	- / 40.600	- / 57.800
Night Vision Goggle Internal Lighting	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.600	- / 1.500	- / 23.001	- / 27.101
Engine Air Particle Separator (EAPS)	0 / 10.000	- / -	- / -	- / 1.948	- / -	- / 1.948	- / 2.487	- / 3.157	- / 3.220	- / 0.600	- / -	- / 21.412
Weapon Sys Spec Data Collection	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / 0.400	- / 2.481	- / 3.381
Frangible Fuel Fitting	0 / 10.000	- / 4.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.000
PM Support	0 / 10.200	- / 0.505	- / -	- / 0.518	- / -	- / 0.518	- / 0.124	- / 0.158	- / 0.516	- / 0.285	- / 3.304	- / 15.610
Subtotal Recurring	*0 / 50.200*	*- / 10.605*	*- / -*	*- / 10.880*	*- / -*	*- / 10.880*	*- / 2.611*	*- / 3.315*	*- / 10.836*	*- / 5.985*	*- / 69.386*	*- / 163.818*
Total, CH-47 MISC Mods $5M or Less	*0 / 50.200*	*- / 10.605*	*- / -*	*- / 10.880*	*- / -*	*- / 10.880*	*- / 2.611*	*- / 3.315*	*- / 10.836*	*- / 5.985*	*- / 69.386*	*- / 163.818*
Improved Vibration Control System												
A Kits												
Recurring												
Kits	0 / 0.000	- / -	- / -	14 / 2.769	- / -	14 / 2.769	60 / 12.082	50 / 10.250	60 / 12.521	62 / 13.171	304 / 66.695	550 / 117.488

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods
Models of Systems Affected: CH-47	**Type Modification:** Unclassified	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
PM Support	0 / 0.000	- / 0.730	- / -	- / 0.139	- / -	- / 0.139	- / 0.605	- / 0.518	- / 0.630	- / 0.664	- / 3.485	- / 6.771
Subtotal Recurring	*0 / 0.000*	*- / 0.730*	*- / -*	*14 / 2.908*	*- / -*	*14 / 2.908*	*60 / 12.687*	*50 / 10.768*	*60 / 13.151*	*62 / 13.835*	*304 / 70.180*	*550 / 124.259*
Non-Recurring												
NRE	0 / 0.000	- / 14.593	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.593
Subtotal Non-Recurring	*0 / 0.000*	*- / 14.593*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 14.593*
Total, Improved Vibration Control System	*0 / 0.000*	*- / 15.323*	*- / -*	*14 / 2.908*	*- / -*	*14 / 2.908*	*60 / 12.687*	*50 / 10.768*	*60 / 13.151*	*62 / 13.835*	*304 / 70.180*	*550 / 138.852*
Engine Filtration System												
A Kits												
Recurring												
B Kit Quantity	103 / 33.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	103 / 33.400
A Kits	337 / 3.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	337 / 3.800
PM Support	0 / 1.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.800
Subtotal Recurring	*440 / 39.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*440 / 39.000*
Non-Recurring												
Logistics	0 / 3.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.100
Subtotal Non-Recurring	*0 / 3.100*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 3.100*
Total, Engine Filtration System	*440 / 42.100*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*440 / 42.100*
Maintenance Training Devices (MTD)												
A Kits												
Recurring												
MTD Upgrades	14 / 26.200	7 / 3.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 29.300
Engineering Support	0 / 10.800	- / 2.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.500
Logistics	0 / 1.200	- / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.800
Subtotal Recurring	*14 / 38.200*	*7 / 6.400*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*21 / 44.600*
Total, Maintenance Training Devices (MTD)	*14 / 38.200*	*7 / 6.400*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*21 / 44.600*
Enhanced M24 Window/Door Gun Mount												
A Kits												
Recurring												
Door Gunner Mount B Kits	540 / 14.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	540 / 14.100
M240 Window/Door Gun Mount Mod 1	0 / 0.000	650 / 11.895	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	650 / 11.895
PM Support	0 / 0.200	- / 0.595	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.795

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods
Models of Systems Affected: CH-47	**Type Modification:** Unclassified	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Subtotal Recurring	*540 / 14.300*	*650 / 12.490*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*1,190 / 26.790*
Total, Enhanced M24 Window/Door Gun Mount	*540 / 14.300*	*650 / 12.490*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*1,190 / 26.790*
CH47D to F Conversion												
A Kits												
Recurring												
Recurring Production (Suppl)	28 / 846.655	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 846.655
Recurring Production (Mods)	148 / 2,942.748	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	148 / 2,942.748
Recurring Production (New Build)	6 / 177.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 177.500
Recurring (New Build NG)	4 / 120.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 120.000
Omnibus	1 / 30.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 30.000
Other Flyaway	0 / 392.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 392.500
Other Support	0 / 199.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 199.200
Training	0 / 149.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 149.100
Support Equipment	0 / 21.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.300
Subtotal Recurring	*187 / 4,879.003*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*187 / 4,879.003*
Total, CH47D to F Conversion	*187 / 4,879.003*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*187 / 4,879.003*
AVCATT												
A Kits												
Recurring												
AVCATT Upgrades	17 / 17.685	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 17.685
Engineering Support	0 / 2.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.600
Logistics	0 / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200
Subtotal Recurring	*17 / 20.485*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*17 / 20.485*
Total, AVCATT	*17 / 20.485*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*17 / 20.485*
New Equipment Training (NET)												
A Kits												
Recurring												
NET Operations	0 / 13.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.900
Interim Contractor Support	0 / 23.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.000
Subtotal Recurring	*0 / 36.900*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 36.900*
Total, New Equipment Training (NET)	*0 / 36.900*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 36.900*
Special Operations Aircraft Commonality												

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods
Models of Systems Affected: CH-47	**Type Modification:** Unclassified	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
A Kits												
Recurring												
Equipment	1 / 8.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 8.900
Subtotal Recurring	*1 / 8.900*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*1 / 8.900*
Total, Special Operations Aircraft Commonality	*1 / 8.900*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*1 / 8.900*
Duplicate of Engine Improvement Program												
A Kits												
Recurring												
PM Support	0 / 2,921.770	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4,136.371	- / 7,058.141
Subtotal Recurring	*0 / 2,921.770*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *4,136.371*	- / *7,058.141*
Total, Duplicate of Engine Improvement Program	*0 / 2,921.770*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *4,136.371*	- / *7,058.141*
Total Procurement, All Modifications	*4,088 / 10,800.628*	*714 / 69.012*	*104 / 37.207*	*588 / 142.244*	- / -	*588 / 142.244*	*642 / 81.305*	*1,062 / 136.692*	*1,330 / 272.600*	*1,127 / 400.519*	*4,339 / 6,606.448*	*13,994 / 18,546.655*
Total Procurement and Support	*10,800.628*	*69.012*	*37.207*	*142.244*	-	*142.244*	*81.305*	*136.692*	*272.600*	*400.519*	*6,606.448*	*18,546.655*
Cargo On/Off Loading System (COOLS) and COOLS BPS Installation Cost	0 / 6.400	- / -	26 / 1.928	52 / 3.892	- / -	52 / 3.892	72 / 5.486	72 / 5.585	72 / 5.685	56 / 4.501	23 / 1.882	373 / 35.359
Advanced Chinook Rotor Blade Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Airframe Optimization and Payload Buyback Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Crash Resistant Troop Seats Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	70 / 0.411	210 / 1.257	210 / 1.279	69 / 0.428	- / -	559 / 3.375
Crashworthy Pilot Seats Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	120 / 0.376	100 / 0.319	100 / 0.325	240 / 0.794	790 / 2.716	1,350 / 4.530
Cargo Platform Health Environment Installation Cost	0 / 0.000	- / -	- / -	120 / 3.628	- / -	120 / 3.628	77 / 2.371	27 / 0.846	14 / 0.447	17 / 0.552	14 / 0.463	269 / 8.307
Adjustable Pitch Change Link Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Engine Improvement Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Transformation Sets, Kits and Outfits Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Aircraft Component Parts-Marking Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
CH-47 MISC Mods $5M or Less Installation Cost	35 / 3.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 3.300
Improved Vibration Control System Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	14 / 0.026	60 / 0.112	50 / 0.095	60 / 0.116	366 / 0.711	550 / 1.060
Engine Filtration System Installation Cost	337 / 1.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	337 / 1.700
Maintenance Training Devices (MTD) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods
Models of Systems Affected: CH-47	**Type Modification:** Unclassified	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Enhanced M24 Window/Door Gun Mount Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
CH47D to F Conversion Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
AVCATT Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
New Equipment Training (NET) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Special Operations Aircraft Commonality Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Duplicate of Engine Improvement Program Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Installation Cost	*372 / 11.400*	- / -	*26 / 1.928*	*172 / 7.520*	- / -	*172 / 7.520*	*353 / 8.670*	*469 / 8.119*	*446 / 7.831*	*442 / 6.391*	*1,193 / 5.772*	*3,473 / 57.631*
Total Cost (Procurement + Support + Installation)	**10,812.028**	**69.012**	**39.135**	**149.764**	**-**	**149.764**	**89.975**	**144.811**	**280.431**	**406.910**	**6,612.220**	**18,604.286**

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: Cargo On/Off Loading System (COOLS) and COOLS BPS

Manufacturer Name: Boeing	Manufacturer Location: Ridley Park, PA
Administrative Leadtime *(in Months)*: 5	Production Leadtime *(in Months)*: 7

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates		May 2013	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017
Delivery Dates		Dec 2013	Jul 2014	Jul 2015	Jul 2016	Jul 2017	Jul 2018

Installation: Cargo On/Off Loading System (COOLS) and COOLS BPS	Method of Implementation: Various	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 3.200	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 3.200
FY 2012	0 / 3.200	- / -	26 / 1.928	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 5.128
FY 2013	0 / 0.000	- / -	- / -	52 / 3.892	- / -	52 / 3.892	- / -	- / -	- / -	- / -	- / -	52 / 3.892
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	72 / 5.486	- / -	- / -	- / -	- / -	72 / 5.486
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	72 / 5.585	- / -	- / -	- / -	72 / 5.585
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 5.685	- / -	- / -	72 / 5.685
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	56 / 4.501	- / -	56 / 4.501
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 1.882	23 / 1.882
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 6.400	- / -	26 / 1.928	52 / 3.892	- / -	52 / 3.892	72 / 5.486	72 / 5.585	72 / 5.685	56 / 4.501	23 / 1.882	373 / 35.359

Installation Schedule

		FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018					
	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	TC	Tot
In	-	-	-	-	-	-	10	10	6	13	13	13	13	18	18	18	18	18	18	18	18	18	18	18	18	14	14	14	14	23	373
Out	-	-	-	-	-	-	10	10	6	13	13	13	13	18	18	18	18	18	18	18	18	18	18	18	18	14	14	14	14	23	373

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: Advanced Chinook Rotor Blade

Manufacturer Name: Boeing	Manufacturer Location: Ridley Park, PA
Administrative Leadtime *(in Months)*: 4	Production Leadtime *(in Months)*: 6

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates					Dec 2015	Dec 2016	Dec 2017
Delivery Dates					Jun 2016	Jun 2017	Jun 2018

Installation: Advanced Chinook Rotor Blade	Method of Implementation: Various	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: Airframe Optimization and Payload Buyback

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates			Jan 2014				
Delivery Dates							

Installation: Airframe Optimization and Payload Buyback | **Method of Implementation:** Various | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: Crash Resistant Troop Seats

Manufacturer Name: Boeing	Manufacturer Location: Ridley Park, PA
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*: 2

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates				Jan 2015	Dec 2015	Dec 2016	Oct 2017
Delivery Dates				Mar 2015	Feb 2016	Feb 2017	Dec 2017

Installation: Crash Resistant Troop Seats	Method of Implementation: Various	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	70 / 0.411	- / -	- / -	- / -	- / -	70 / 0.411
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	210 / 1.257	- / -	- / -	- / -	210 / 1.257
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	210 / 1.279	- / -	- / -	210 / 1.279
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	69 / 0.428	- / -	69 / 0.428
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	70 / 0.411	210 / 1.257	210 / 1.279	69 / 0.428	- / -	559 / 3.375

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	40	50	50	55	55	50	50	55	55	40	29	-	-	-	559
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	40	50	50	55	55	50	50	55	55	40	29	-	-	-	559

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: Crashworthy Pilot Seats

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 10

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates			Apr 2014	Apr 2015	Apr 2016	Apr 2017	Apr 2018
Delivery Dates			Feb 2015	Feb 2016	Feb 2017	Feb 2018	Feb 2019

Installation: Crashworthy Pilot Seats | **Method of Implementation:** Various | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	120 / 0.376	- / -	- / -	- / -	- / -	120 / 0.376
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	100 / 0.319	- / -	- / -	- / -	100 / 0.319
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 0.325	- / -	- / -	100 / 0.325
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	240 / 0.794	- / -	240 / 0.794
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	240 / 0.808	240 / 0.808
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	550 / 1.908	550 / 1.908
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	120 / 0.376	100 / 0.319	100 / 0.325	240 / 0.794	790 / 2.716	1,350 / 4.530

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	30	30	30	30	25	25	25	25	25	25	25	25	60	60	60	60	790	1,350
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	30	30	30	30	25	25	25	25	25	25	25	25	60	60	60	60	790	1,350

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: Cargo Platform Health Environment

Manufacturer Name: Boeing	Manufacturer Location: Ridley Park, PA
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 6

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates		Jan 2013	Nov 2013	Nov 2014	Nov 2015	Nov 2016	
Delivery Dates		Jul 2013	May 2014	May 2015	May 2016	May 2017	

Installation: Cargo Platform Health Environment	Method of Implementation: Various	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	14 / 0.423	- / -	14 / 0.423	- / -	- / -	- / -	- / -	- / -	14 / 0.423
FY 2013	0 / 0.000	- / -	- / -	38 / 1.149	- / -	38 / 1.149	- / -	- / -	- / -	- / -	- / -	38 / 1.149
FY 2014	0 / 0.000	- / -	- / -	68 / 2.056	- / -	68 / 2.056	57 / 1.755	- / -	- / -	- / -	- / -	125 / 3.811
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	20 / 0.616	- / -	- / -	- / -	- / -	20 / 0.616
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	27 / 0.846	- / -	- / -	- / -	27 / 0.846
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.447	- / -	- / -	14 / 0.447
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.552	- / -	17 / 0.552
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.463	14 / 0.463
Total	0 / 0.000	- / -	- / -	120 / 3.628	- / -	120 / 3.628	77 / 2.371	27 / 0.846	14 / 0.447	17 / 0.552	14 / 0.463	269 / 8.307

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	30	30	30	30	19	19	19	20	6	7	7	7	-	5	6	6	-	-	-	-	-	241
Out	-	-	-	-	-	-	-	-	-	30	30	30	30	19	19	19	20	6	7	7	7	-	5	6	6	-	-	-	-	-	241

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: Adjustable Pitch Change Link

Manufacturer Name: Boeing	Manufacturer Location: Ridley Park, PA
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 4

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates			Mar 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018
Delivery Dates			Jul 2014	May 2015	May 2016	May 2017	May 2018

Installation: Adjustable Pitch Change Link	Method of Implementation: User Installed	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: Engine Improvement

Manufacturer Name: Honeywell Inc	Manufacturer Location: Phoenix, AZ
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Engine Improvement	Method of Implementation: Various	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: Transformation Sets, Kits and Outfits

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Transformation Sets, Kits and Outfits	Method of Implementation: Various	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: Aircraft Component Parts-Marking

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Aircraft Component Parts-Marking | **Method of Implementation:** Various | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: CH-47 MISC Mods $5M or Less

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: CH-47 MISC Mods $5M or Less | **Method of Implementation:** Various | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	35 / 2.300	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	35 / 2.300
FY 2012	0 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.000
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	35 / 3.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 3.300

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35
Out	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: Improved Vibration Control System

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 12

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates			Mar 2014	Mar 2015	Mar 2016	Mar 2017	Mar 2018
Delivery Dates			Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019

Installation: Improved Vibration Control System	Method of Implementation: Various	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	14 / 0.026	- / -	- / -	- / -	- / -	14 / 0.026
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	60 / 0.112	- / -	- / -	- / -	60 / 0.112
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 0.095	- / -	- / -	50 / 0.095
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 0.116	- / -	60 / 0.116
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	62 / 0.122	62 / 0.122
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	304 / 0.589	304 / 0.589
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	14 / 0.026	60 / 0.112	50 / 0.095	60 / 0.116	366 / 0.711	550 / 1.060

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	15	15	15	15	12	12	13	13	15	15	15	15	366	550
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	15	15	15	15	12	12	15	13	13	15	15	15	366	550

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: Engine Filtration System

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Engine Filtration System	Method of Implementation: Various	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	337 / 1.700	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	337 / 1.700
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	337 / 1.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	337 / 1.700

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	337	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	337
Out	337	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	337

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: Maintenance Training Devices (MTD)

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 12

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Jan 2012						
Delivery Dates	Jan 2013						

Installation: Maintenance Training Devices (MTD) | **Method of Implementation:** Various | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: Enhanced M24 Window/Door Gun Mount

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 5

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Oct 2012						
Delivery Dates	Mar 2013						

Installation: Enhanced M24 Window/Door Gun Mount | **Method of Implementation:** Various | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: CH47D to F Conversion

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: CH47D to F Conversion	Method of Implementation: VARIOUS	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: AVCATT

Manufacturer Name: PEO STRICOM	Manufacturer Location: Orlando, FL
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: AVCATT	Method of Implementation: Various	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: New Equipment Training (NET)

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: New Equipment Training (NET)	Method of Implementation: Various	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: Special Operations Aircraft Commonality

Manufacturer Name: Boeing	Manufacturer Location: Ridley Park, PA
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Special Operations Aircraft Commonality	Method of Implementation: Various	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0252 - CH-47 Cargo Helicopter Mods (MYP)	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - CH-47 Cargo Helicopter Mods

Models of Systems Affected: CH-47	Type Modification: Unclassified	Related RDT&E PEs:

Manufacturer Information: Duplicate of Engine Improvement Program

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Duplicate of Engine Improvement Program | **Method of Implementation:** Various | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0270 - Fixed Wing Mods
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**
MDAP/MAIS Code(s):	**Other Related Program Elements:** 0203744A

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	206.965	12.107	24.842	17.500	-	17.500	15.167	16.612	17.833	16.695	-	327.721
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	206.965	12.107	24.842	17.500	-	17.500	15.167	16.612	17.833	16.695	-	327.721
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**206.965**	**12.107**	**24.842**	**17.500**	**-**	**17.500**	**15.167**	**16.612**	**17.833**	**16.695**	**-**	**327.721**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The budget line updates and modernizes Army fixed wing aircraft communication, navigation, surveillance, engines, and Department of Defense (DoD) mandated safety equipment to current and evolving international standards. In addition, it provides for the procurement of test equipment and other commercial and military support equipment. These modifications ensure continued worldwide deployment capability and safe operations.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	12.107	10.259	10.112	-	10.112	8.825	9.431	9.771	10.392
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	9.571	4.758	-	4.758	4.514	4.739	4.553	3.946
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	5.012	2.630	-	2.630	1.828	2.442	3.509	2.357

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0270 - Fixed Wing Mods
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**
Other Related Program Elements: 0203744A	
MDAP/MAIS Code(s):	

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0000 - Fixed Wing Aircraft Modifications	P3A		-	-	206.965	-	-	12.107	-	-	24.842	-	-	17.500	-	-	-	-	-	17.500
Total Gross/Weapon System Cost					**206.965**			**12.107**			**24.842**			**17.500**			**-**			**17.500**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0000 - Fixed Wing Aircraft Modifications	P3A		-	-	15.167	-	-	16.612	-	-	17.833	-	-	16.695	-	-	-	-	-	327.721
Total Gross/Weapon System Cost					**15.167**			**16.612**			**17.833**			**16.695**			**-**			**327.721**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY14 Base procurement dollars in the amount of $17.500 million supports communications, navigation, and surveillance equipment that meets current and future air traffic management requirements. In addition, equipment included in the modifications will enhance the safety of passengers and crew. The upgrades will also permit the Army fixed wing aircraft to operate in compliance with other existing and emerging regulations. As requirements for new avionics equipment continue, aircraft delays and airspace exclusion are likely for aircraft not properly equipped. Upgrade of communication and navigation systems will enhance reliability and maintainability, thereby improving aircraft availability for mission requirements. The associated aircraft modifications will assure worldwide deployability for those required to deploy.

FY14 procurement dollars of $17.500 million are linked to RDT&E PE 0203744A Project D18 - FY14 RDT&E dollars are $2.833 million.

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

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0270 - Fixed Wing Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Fixed Wing Aircraft Modifications
Models of Systems Affected: All series Army fixed wing aircraft	**Type Modification:** Rationalization, Standardization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	206.965	12.107	24.842	17.500	-	17.500	15.167	16.612	17.833	16.695	-	327.721
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	206.965	12.107	24.842	17.500	-	17.500	15.167	16.612	17.833	16.695	-	327.721
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**206.965**	**12.107**	**24.842**	**17.500**	**-**	**17.500**	**15.167**	**16.612**	**17.833**	**16.695**	**-**	**327.721**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The budget line updates and modernizes all series Army fixed wing aircraft communication, navigation, surveillance, engines and Department of Defense mandated safety equipment to current and evolving international standards. It provides for the procurement of test equipment and other commercial and military support equipment. These modifications ensure continued worldwide deployment capability and safe operations.

FY14 Base procurement dollars in the amount of $17.500 million supports communications, navigation, and surveillance equipment that meets current and future air traffic management requirements. In addition, equipment included in the modifications will enhance the safety of passengers and crew. The upgrades will also permit the Army fixed wing aircraft to operate in compliance with other existing and emerging regulations. As requirements for new avionics equipment continue, aircraft delays and airspace exclusion are likely for aircraft not properly equipped. Upgrade of communication and navigation systems will enhance reliability and maintainability, thereby improving aircraft availability for mission requirements. The associated aircraft modifications will assure worldwide deployability for those required to deploy.

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0270 - Fixed Wing Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Fixed Wing Aircraft Modifications
Models of Systems Affected: All series Army fixed wing aircraft	**Type Modification:** Rationalization, Standardization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Procurement												
Fixed Wing Aircraft Modifications												
A Kits												
Recurring												
Installation Kits	190 / 144.676	14 / 8.375	15 / 17.289	14 / 12.150	- / -	14 / 12.150	18 / 10.517	19 / 11.528	16 / 12.383	17 / 11.586	- / -	303 / 228.504
Data	0 / 0.200	- / 0.100	- / 0.100	- / 0.100	- / -	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / -	- / 0.900
Subtotal Recurring	*190 / 144.876*	*14 / 8.475*	*15 / 17.389*	*14 / 12.250*	*- / -*	*14 / 12.250*	*18 / 10.617*	*19 / 11.628*	*16 / 12.483*	*17 / 11.686*	*- / -*	*303 / 229.404*
Total, Fixed Wing Aircraft Modifications	*190 / 144.876*	*14 / 8.475*	*15 / 17.389*	*14 / 12.250*	*- / -*	*14 / 12.250*	*18 / 10.617*	*19 / 11.628*	*16 / 12.483*	*17 / 11.686*	*- / -*	*303 / 229.404*
Total Procurement, All Modifications	*190 / 144.876*	*14 / 8.475*	*15 / 17.389*	*14 / 12.250*	*- / -*	*14 / 12.250*	*18 / 10.617*	*19 / 11.628*	*16 / 12.483*	*17 / 11.686*	*- / -*	*303 / 229.404*
Total Procurement and Support	*144.876*	*8.475*	*17.389*	*12.250*	*-*	*12.250*	*10.617*	*11.628*	*12.483*	*11.686*	*-*	*229.404*
Fixed Wing Aircraft Modifications Installation Cost	190 / 62.089	14 / 3.632	15 / 7.453	14 / 5.250	- / -	14 / 5.250	18 / 4.550	19 / 4.984	16 / 5.350	17 / 5.009	- / -	303 / 98.317
Total Installation Cost	*190 / 62.089*	*14 / 3.632*	*15 / 7.453*	*14 / 5.250*	*- / -*	*14 / 5.250*	*18 / 4.550*	*19 / 4.984*	*16 / 5.350*	*17 / 5.009*	*- / -*	*303 / 98.317*
Total Cost (Procurement + Support + Installation)	**206.965**	**12.107**	**24.842**	**17.500**	**-**	**17.500**	**15.167**	**16.612**	**17.833**	**16.695**	**-**	**327.721**

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0270 - Fixed Wing Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Fixed Wing Aircraft Modifications
Models of Systems Affected: All series Army fixed wing aircraft	**Type Modification:** Rationalization, Standardization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

Manufacturer Information: Fixed Wing Aircraft Modifications

Manufacturer Name: Multiple Commercial Lenders	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 6

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Dec 2011	Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017
Delivery Dates	May 2012	May 2013	May 2014	May 2015	May 2016	May 2017	May 2018

Installation: Fixed Wing Aircraft Modifications	**Method of Implementation:** Contractor	**Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	190 / 62.089	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	190 / 62.089
FY 2012	0 / 0.000	14 / 3.632	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 3.632
FY 2013	0 / 0.000	- / -	15 / 7.453	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 7.453
FY 2014	0 / 0.000	- / -	- / -	14 / 5.250	- / -	14 / 5.250	- / -	- / -	- / -	- / -	- / -	14 / 5.250
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	18 / 4.550	- / -	- / -	- / -	- / -	18 / 4.550
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	19 / 4.984	- / -	- / -	- / -	19 / 4.984
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 5.350	- / -	- / -	16 / 5.350
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 5.009	- / -	17 / 5.009
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	190 / 62.089	14 / 3.632	15 / 7.453	14 / 5.250	- / -	14 / 5.250	18 / 4.550	19 / 4.984	16 / 5.350	17 / 5.009	- / -	303 / 98.317

Installation Schedule

		FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018					
	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	TC	Tot
In	190	3	2	3	6	2	3	5	5	2	2	5	5	4	4	5	5	4	5	5	5	4	4	4	4	4	4	4	5	-	303
Out	169	21	3	2	3	6	2	3	5	5	2	2	5	5	4	4	5	5	4	5	5	5	4	4	4	4	4	4	4	5	303

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0480 - Utility Helicopter Mods

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

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1,252.180	74.745	73.804	74.095	-	74.095	77.214	89.066	117.494	149.944	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	13.500	-	-	-	-	-	-	-	-	-	-	13.500
Net Procurement (P1) *($ in Millions)*	1,238.680	74.745	73.804	74.095	-	74.095	77.214	89.066	117.494	149.944	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	13.500	-	-	-	-	-	-	-	-	-	-	13.500
Total Obligation Authority *($ in Millions)*	**1,252.180**	**74.745**	**73.804**	**74.095**	**-**	**74.095**	**77.214**	**89.066**	**117.494**	**149.944**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	834.156	770.567	-	-	-	-	536.208	1,127.418	3,091.947	3,945.895	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

Utility Helicopter Mods include modifications to the UH-60 BLACKHAWK helicopter and the UH72A LAKOTA helicopter. The UH-60 BLACKHAWK helicopter is the Army's utility helicopter in the future force. The UH-72A LAKOTA helicopter provides general aviation support for aviation units in the active and reserve components.

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

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	21.580	20.298	31.353	-	31.353	20.598	89.066	117.494	149.944
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	53.165	53.506	42.742	-	42.742	56.616	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0480 - Utility Helicopter Mods

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

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0000 - Utility Helicopter Modifications	P3A		-	-	1,252.180	-	-	74.745	-	-	73.804	-	-	74.095	-	-	-	-	-	74.095
Total Gross/Weapon System Cost					**1,252.180**			**74.745**			**73.804**			**74.095**			**-**			**74.095**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0000 - Utility Helicopter Modifications	P3A		-	-	77.214	-	-	89.066	-	-	117.494	-	-	149.944	Continuing			Continuing		
Total Gross/Weapon System Cost					**77.214**			**89.066**			**117.494**			**149.944**	**Continuing**			**Continuing**		

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY 14 Base procurement dollars in the amount of $74.095 million will procure Crashworthy External Fuel Systems (CEFS), UH-60 A to L Conversions and External High Speed Hoists. CEFS is a safety modification that reduces the risk of a post-crash fire. The External High Speed Hoist is a modification to UH-60A/L aircraft developed to supplement and eventually replace the internal rescue hoist currently in use. The existing internal hoist has significant obsolescence issues and takes up valuable cabin space in the aircraft thus the Army decided to standardize the external hoist configuration as employed on the HH-60A/L/M. The UH-60 A to L Conversion program expands the current UH-60 A to A recapitalization/rebuild program to a UH-60 A to L recapitalization/upgrade program.

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0480 - Utility Helicopter Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Utility Helicopter Modifications
Models of Systems Affected: UH-60L	**Type Modification:** Operational	**Related RDT&E PEs:**

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1,252.180	74.745	73.804	74.095	-	74.095	77.214	89.066	117.494	149.944	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1,252.180	74.745	73.804	74.095	-	74.095	77.214	89.066	117.494	149.944	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,252.180**	**74.745**	**73.804**	**74.095**	**-**	**74.095**	**77.214**	**89.066**	**117.494**	**149.944**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

Utility Helicopter Mods include modifications to the UH-60 BLACKHAWK and the UH-72A LAKOTA helicopter.

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0480 - Utility Helicopter Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Utility Helicopter Modifications
Models of Systems Affected: UH-60L	**Type Modification:** Operational	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Procurement												
Crashworthy External Fuel System (CEFS)												
A Kits												
Recurring												
A-Kits (A/L)	831 / 42.090	76 / 5.400	53 / 3.767	65 / 4.800	- / -	65 / 4.800	52 / 3.839	- / -	- / -	- / -	- / -	1,077 / 59.896
A-Kits (GFE to Production)	32 / 2.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 2.700
A-Kits (GFE to SAR Acft)	10 / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.600
B-kits	442 / 53.000	26 / 4.000	21 / 3.200	22 / 3.400	- / -	22 / 3.400	18 / 2.718	- / -	- / -	- / -	- / -	529 / 66.318
Support Equipment/Other	0 / 33.200	- / 0.966	- / 1.405	- / 1.263	- / -	- / 1.263	- / 0.751	- / -	- / -	- / -	- / -	- / 37.585
Subtotal Recurring	*1,315 / 131.590*	*102 / 10.366*	*74 / 8.372*	*87 / 9.463*	*- / -*	*87 / 9.463*	*70 / 7.308*	*- / -*	*- / -*	*- / -*	*- / -*	*1,648 / 167.099*
Total, Crashworthy External Fuel System (CEFS)	*1,315 / 131.590*	*102 / 10.366*	*74 / 8.372*	*87 / 9.463*	*- / -*	*87 / 9.463*	*70 / 7.308*	*- / -*	*- / -*	*- / -*	*- / -*	*1,648 / 167.099*
UH-60A to UH-60L Conversion												
A Kits												
Recurring												
other	85 / 168.030	43 / 53.165	42 / 53.506	37 / 42.742	- / -	37 / 42.742	48 / 56.616	- / -	- / -	- / -	- / -	255 / 374.059
Subtotal Recurring	*85 / 168.030*	*43 / 53.165*	*42 / 53.506*	*37 / 42.742*	*- / -*	*37 / 42.742*	*48 / 56.616*	*- / -*	*- / -*	*- / -*	*- / -*	*255 / 374.059*
Non-Recurring												
other	0 / 858.122	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 858.122
Subtotal Non-Recurring	*0 / 858.122*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 858.122*
Total, UH-60A to UH-60L Conversion	*85 / 1,026.152*	*43 / 53.165*	*42 / 53.506*	*37 / 42.742*	*- / -*	*37 / 42.742*	*48 / 56.616*	*- / -*	*- / -*	*- / -*	*- / -*	*255 / 1,232.181*
UH-60L Digital												
A Kits												
Recurring												
Other	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	24 / 73.548	38 / 117.494	47 / 149.944	- / -	109 / 340.986
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*24 / 73.548*	*38 / 117.494*	*47 / 149.944*	*- / -*	*109 / 340.986*
Total, UH-60L Digital	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*24 / 73.548*	*38 / 117.494*	*47 / 149.944*	*- / -*	*109 / 340.986*
External High Speed Hoist												
A Kits												
Recurring												
Other	0 / 0.000	31 / 10.014	36 / 11.126	65 / 21.190	- / -	65 / 21.190	44 / 12.290	55 / 15.518	- / -	- / -	- / -	231 / 70.138
Subtotal Recurring	*0 / 0.000*	*31 / 10.014*	*36 / 11.126*	*65 / 21.190*	*- / -*	*65 / 21.190*	*44 / 12.290*	*55 / 15.518*	*- / -*	*- / -*	*- / -*	*231 / 70.138*

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0480 - Utility Helicopter Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Utility Helicopter Modifications
Models of Systems Affected: UH-60L	**Type Modification:** Operational	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Total, External High Speed Hoist	*0 / 0.000*	*31 / 10.014*	*36 / 11.126*	*65 / 21.190*	- / -	*65 / 21.190*	*44 / 12.290*	*55 / 15.518*	- / -	- / -	- / -	*231 / 70.138*
UH-60 SPONSON FLIR												
A Kits												
Recurring												
A Kit	60 / 7.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 7.600
B Kit	80 / 59.818	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 59.818
Support Equipment	0 / 1.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.800
Interim Contractor Support	0 / 2.610	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.610
Subtotal Recurring	*140 / 71.828*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*140 / 71.828*
Total, UH-60 SPONSON FLIR	*140 / 71.828*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*140 / 71.828*
Ballistic Protection Systems (BAPS)												
A Kits												
Recurring												
Other	72 / 8.694	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 8.694
Interim Contractor Support	0 / 13.518	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.518
Subtotal Recurring	*72 / 22.212*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*72 / 22.212*
Total, Ballistic Protection Systems (BAPS)	*72 / 22.212*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*72 / 22.212*
Total Procurement, All Modifications	*1,612 / 1,251.782*	*176 / 73.545*	*152 / 73.004*	*189 / 73.395*	- / -	*189 / 73.395*	*162 / 76.214*	*79 / 89.066*	*38 / 117.494*	*47 / 149.944*	- / -	*2,455 / 1,904.444*
Total Procurement and Support	*1,251.782*	*73.545*	*73.004*	*73.395*	-	*73.395*	*76.214*	*89.066*	*117.494*	*149.944*	-	*1,904.444*
Crashworthy External Fuel System (CEFS) Installation Cost	28 / 0.400	76 / 1.200	53 / 0.800	65 / 0.700	- / -	65 / 0.700	52 / 1.000	- / -	- / -	- / -	807 / 6.200	1,081 / 10.300
UH-60A to UH-60L Conversion Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
UH-60L Digital Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
External High Speed Hoist Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
UH-60 SPONSON FLIR Installation Cost	20 / 0.000	15 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / -
Ballistic Protection Systems (BAPS) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Installation Cost	*48 / 0.400*	*91 / 1.200*	*53 / 0.800*	*65 / 0.700*	- / -	*65 / 0.700*	*52 / 1.000*	- / -	- / -	- / -	*807 / 6.200*	*1,116 / 10.300*
Total Cost (Procurement + Support + Installation)	**1,252.182**	**74.745**	**73.804**	**74.095**	**-**	**74.095**	**77.214**	**89.066**	**117.494**	**149.944**	**6.200**	**1,914.744**

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0480 - Utility Helicopter Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Utility Helicopter Modifications
Models of Systems Affected: UH-60L	**Type Modification:** Operational	**Related RDT&E PEs:**

Manufacturer Information: Crashworthy External Fuel System (CEFS)

Manufacturer Name: Robertson Fuel Systems, LLC	Manufacturer Location: Tempe, AZ
Administrative Leadtime *(in Months)*: 1	Production Leadtime *(in Months)*: 2

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Nov 2011	Nov 2012					
Delivery Dates	Jan 2012	Jan 2013					

Installation: Crashworthy External Fuel System (CEFS) | **Method of Implementation:** Various | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	28 / 0.400	76 / 1.200	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	104 / 1.600
FY 2012	0 / 0.000	- / -	53 / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	53 / 0.800
FY 2013	0 / 0.000	- / -	- / -	65 / 0.700	- / -	65 / 0.700	- / -	- / -	- / -	- / -	- / -	65 / 0.700
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	52 / 1.000	- / -	- / -	- / -	- / -	52 / 1.000
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	807 / 6.200	807 / 6.200
Total	28 / 0.400	76 / 1.200	53 / 0.800	65 / 0.700	- / -	65 / 0.700	52 / 1.000	- / -	- / -	- / -	807 / 6.200	1,081 / 10.300

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	835	19	19	19	19	13	13	13	14	16	16	16	17	13	13	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	1,081
Out	828	7	19	19	19	19	13	13	13	14	16	16	16	17	13	13	13	13	-	-	-	-	-	-	-	-	-	-	-	-	1,081

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0480 - Utility Helicopter Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Utility Helicopter Modifications
Models of Systems Affected: UH-60L	**Type Modification:** Operational	**Related RDT&E PEs:**

Manufacturer Information: UH-60A to UH-60L Conversion

Manufacturer Name: Corpus Christi Army Depot	Manufacturer Location: Corpus Christi Army Depot
Administrative Leadtime *(in Months)*: 1	Production Leadtime *(in Months)*: 12

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Oct 2011	Oct 2012					
Delivery Dates	Oct 2012	Oct 2013					

Installation: UH-60A to UH-60L Conversion | **Method of Implementation:** Depot | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	85	10	11	11	11	10	10	11	11	9	9	9	10	12	12	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-	255
Out	73	-	-	-	12	10	11	11	11	10	10	11	11	9	9	9	10	12	12	12	12	-	-	-	-	-	-	-	-	-	255

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0480 - Utility Helicopter Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Utility Helicopter Modifications

Models of Systems Affected: UH-60L	Type Modification: Operational	Related RDT&E PEs:

Manufacturer Information: UH-60L Digital

Manufacturer Name: Corpus Christi Army Depot	Manufacturer Location: Corpus Christi Army Depot
Administrative Leadtime *(in Months)*: 1	Production Leadtime *(in Months)*: 12

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates						Oct 2015	
Delivery Dates						Oct 2016	

Installation: UH-60L Digital | **Method of Implementation:** Depot | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	9	9	10	10	11	12	12	12	-	109
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	9	9	10	10	11	12	12	12	109

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0480 - Utility Helicopter Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Utility Helicopter Modifications
Models of Systems Affected: UH-60L	**Type Modification:** Operational	**Related RDT&E PEs:**

Manufacturer Information: External High Speed Hoist

Manufacturer Name: Breeze Eastern, Inc	Manufacturer Location: Whippany, NJ
Administrative Leadtime *(in Months)*: 1	Production Leadtime *(in Months)*: 1

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	May 2012	May 2013					
Delivery Dates	Jun 2012	Jun 2013					

Installation: External High Speed Hoist | **Method of Implementation:** Various | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	7	8	8	8	9	9	9	9	16	16	16	17	11	11	11	11	13	14	14	14	-	-	-	-	-	-	-	-	-	231
Out	-	-	7	8	8	8	9	9	9	9	16	16	16	17	11	11	11	11	13	14	14	14	-	-	-	-	-	-	-	-	231

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0480 - Utility Helicopter Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Utility Helicopter Modifications
Models of Systems Affected: UH-60L	**Type Modification:** Operational	**Related RDT&E PEs:**

Manufacturer Information: UH-60 SPONSON FLIR

Manufacturer Name: FLIR, Inc.	Manufacturer Location: Wilsonville, OR
Administrative Leadtime *(in Months)*: 1	Production Leadtime *(in Months)*: 1

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Sep 2011						
Delivery Dates	Oct 2011						

Installation: UH-60 SPONSON FLIR | **Method of Implementation:** Various | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	20 / 0.000	15 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	35 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	20 / 0.000	15 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80
Out	65	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0480 - Utility Helicopter Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Utility Helicopter Modifications
Models of Systems Affected: UH-60L	**Type Modification:** Operational	**Related RDT&E PEs:**

Manufacturer Information: Ballistic Protection Systems (BAPS)

Manufacturer Name: Protective Group, Inc.	Manufacturer Location: Miami Lakes, FL
Administrative Leadtime *(in Months)*: 1	Production Leadtime *(in Months)*: 1

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Sep 2011						
Delivery Dates	Oct 2011						

Installation: Ballistic Protection Systems (BAPS) | **Method of Implementation:** Various | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72
Out	54	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2200 - Kiowa Mods Warrior

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

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	136	-	-	-	-	-	27	33	38	40	Continuing	Continuing
Gross/Weapon System Cost *($ in Millions)*	395.083	92.552	192.484	184.044	-	184.044	423.960	426.309	453.496	398.286	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	395.083	92.552	192.484	184.044	-	184.044	423.960	426.309	453.496	398.286	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**395.083**	**92.552**	**192.484**	**184.044**	**-**	**184.044**	**423.960**	**426.309**	**453.496**	**398.286**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The Kiowa Warrior is a two-seat, single-engine, observation, scout/attack helicopter with four main rotor blades. It utilizes a thermal-imaging system and a laser rangefinder/designator in a mast-mounted sight situated above the main rotor system. The aircraft is equipped with a variety of weapon systems including: HELLFIRE, 2.75-inch rockets, and a .50-caliber machine gun. The aircraft operates autonomously and teamed with other manned and unmanned aerial systems at standoff ranges providing armed reconnaissance, command and control, and target acquisition/designation for Apache helicopters and other airborne weapons platforms in day, night, and adverse-weather conditions. The Active Army and the National Guard fly Kiowa Warriors.

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

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
several - Kiowa Warrior Modification Programs	P3A		-	-	395.083	-	-	92.552	-	-	192.484	-	-	184.044	-	-	-	-	-	184.044
Total Gross/Weapon System Cost					**395.083**			**92.552**			**192.484**			**184.044**			**-**			**184.044**

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2200 - Kiowa Mods Warrior
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
several - Kiowa Warrior Modification Programs	P3A		-	-	423.960	-	-	426.309	-	-	453.496	-	-	398.286	Continuing			Continuing		
Total Gross/Weapon System Cost					**423.960**			**426.309**			**453.496**			**398.286**	**Continuing**			**Continuing**		

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY 2014 Base procurement dollars in the amount of $184.044 Million supports Cockpit and Sensor Upgrade Program (CASUP) (OH-58F) long-lead and Recapitalization (Recap) components ($143.621 Million), and continues Weight Reduction and Fielded Fleet Upgrade programs for the fielded fleet of OH-58D aircraft ($40.423 Million). CASUP modifications will allow the Kiowa Warrior to safely serve as the Army's, armed-reconnaissance, aviation platform until replaced/retired.

All COMPO 1 Active

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2200 - Kiowa Mods Warrior	**Modification Nomenclature (*Modification Number - Modification Title*):** several - Kiowa Warrior Modification Programs
Models of Systems Affected: OH-58D, OH-58F	**Type Modification:** Operational/Safety	**Related RDT&E PEs:**

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	395.083	92.552	192.484	184.044	-	184.044	423.960	426.309	453.496	398.286	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	395.083	92.552	192.484	184.044	-	184.044	423.960	426.309	453.496	398.286	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**395.083**	**92.552**	**192.484**	**184.044**	**-**	**184.044**	**423.960**	**426.309**	**453.496**	**398.286**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The Fielded Fleet Upgrades (FFU) and Weight Reduction Initiative (OSIP 2-02-01-0116) increases safety, maintains interoperability, increases reliability and lowers support costs of the OH-58D aircraft. Safety improvements are achieved through weight reduction which increases autorotational performance, operational performance in a Degraded Visual Environment (DVE), as well as the incorporation of a Dual Channel Full Authority Digital Electronic Controller (FADEC) system, providing critical redundancy. Interoperability is retained through enhanced mission computer processing allowing for common operating environment (COE) software upgrades. Modification includes production and fielding of lightweight floor armor, improved the reliability of the Single Channel FADEC, reduced weight Multi Function Displays (MFD), improved .50 cal gun system, reduced weight M279A1 HELLFIRE launcher, AN/AAR-57 Common Missile Warning System (CMWS), light weight composite Universal Weapons Pylon (UWP), improved lightweight heater system, Mast Mounted Sight (MMS) laser pointer, the AN/ARC-231 replacement radio, Health Usage Monitoring System (HUMS), and improved Level II Manned/Un-manned Teaming (L2MUM) that enables Un-manned Aerial System (UAS) full motion video.

The Cockpit and Sensor Upgrade Program (CASUP) (OSIP 2-08-01-0117) addresses additional capabilities, safety enhancements and obsolescence issues to allow the Kiowa Warrior to serve as the Army's armed reconnaissance, aviation platform until replaced/retired. CASUP will convert the OH-58D to the OH-58F configuration. Efforts include upgrading Control Display Subsystem mission computers, avionics, intercom system, aircraft survivability systems, weapon systems, electrical systems, and cockpit instruments and displays, reducing weight and obsolescence, and replacing single with dual channel Full Authority Digital Electronic Control (FADEC), the mast mounted sight with the AN/AAS-53 Common Sensor Payload and structural modifications. The current fleet of aircraft along with aircraft built to replace wartime losses are planned to be upgraded to the OH-58F configuration, for a total of 368 aircraft. Four aircraft in the current fleet are planned to be modified with RDTE funding and will be fielded following the test program. It is anticipated that KW CASUP will remain in the inventory through 2036. Kiowa Warrior Training Aids, Devices, Simulators and Simulations (TADSS) will be upgraded to maintain concurrency.

The CASUP Long Lead Program (OSIP 2-08-01-0120) components include items that are common to other Army Aviation/DoD platforms and items that are unique to the OH-58F aircraft and are crucial to the program's execution as PM KW serves as the lead system integrator in lieu of an Original Equipment Manufacturer (OEM). Numerous CASUP components deliver more than 12 months after procurement; therefore, components to support CASUP Low Rate Initial Production (LRIP) Lot 1 which starts in FY 2015 must be procured in FY 2013. Items with lead times greater than 12 months include structural A-kits which include PYLON assembly (side beam and transverse), Increased Height Landing Gear (IHLG), Nose Mounted Sensor (NMS) Structure, Searchlight/MUM kit and Environmental Control System (ECS) Heater Kit.

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2200 - Kiowa Mods Warrior	**Modification Nomenclature (*Modification Number - Modification Title*):** several - Kiowa Warrior Modification Programs
Models of Systems Affected: OH-58D, OH-58F	**Type Modification:** Operational/Safety	**Related RDT&E PEs:**

The Recapitalization Program (OSIP 2-11-01-0121) addresses critical reliability, maintainability and availability issues associated with the continued aging of the KW fleet. Funding procures tooling, new airframes and select components that will be installed on aircraft inducted into the KW CASUP production line. Efforts include production of new metal cabins manufactured by Bell Helicopter Textron, Inc. and tooling to support/increase production rate. The Recapitalization Program in combination with the KW CASUP results in production of zero-timed OH-58F airframes and eliminates post production structural overhauls that would be required to extend the life of the KW fleet beyond 2025.

OCO funding will procure Wartime Replacement Aircraft (WRA) (OSIP 2-10-01-0118) for those lost during Overseas Contingency Operations. These aircraft are being built using the "cabin" method and not procured as a complete aircraft from the original equipment manufacturer (Bell Helicopter). The Army uses divested OH-58A aircraft as donors to create the OH-58D cabin. Specifically, the donor OH-58A aircraft are de-populated and their center sections (cabins) modified at Bell Helicopter / Textron Incorporated (BHTI) into CDS4 configured Kiowa Warrior cabins. Due to the limited availability of donor aircraft, Bell Helicopter is performing non-recurring engineering efforts required for production of new metal (zero-timed) OH-58D cabins. Once new metal cabin production begins, no further OH-58A/C donor aircraft will be required for cabins. Upon delivery of a cabin from Bell Helicopter, Corpus Christi Army Depot (CCAD) installs all remaining structure, equipment, and modifications which have been qualified on the current fleet. CCAD conducts aircraft ground/flight test and acceptance.

Development Status/Major Development Milestones

Date	Title	Description
Dec 2010	CASUP Milestone B	
Mar 2015	CASUP Milestone C	
Sep 2016	CASUP First Unit Equipped (FUE)	

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2200 - Kiowa Mods Warrior	**Modification Nomenclature (*Modification Number - Modification Title*):** several - Kiowa Warrior Modification Programs
Models of Systems Affected: OH-58D, OH-58F	**Type Modification:** Operational/Safety	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Procurement												
Fielded Fleet Upgrades and Weight Reduction												
A Kits												
Recurring												
Recurring Labor	0 / 2.900	- / -	- / 14.535	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.435
Data/Pubs/Manuals	0 / 2.000	- / -	- / 3.175	- / -	- / -	- / -	- / 0.795	- / 0.795	- / 0.795	- / 0.795	- / 0.695	- / 9.050
Support Equipment	0 / 10.386	- / 4.406	- / 2.666	- / 7.450	- / -	- / 7.450	- / 7.450	- / 7.500	- / 7.500	- / 7.500	- / 7.500	- / 62.358
Systems Engineering/Program Management	0 / 29.351	- / 0.240	- / 12.866	- / 7.125	- / -	- / 7.125	- / 4.522	- / 4.748	- / 2.962	- / 1.975	- / 2.629	- / 66.418
Facilities	0 / 3.357	- / -	- / 0.950	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.307
Training/Training Devices	0 / 7.800	- / 0.100	- / 2.279	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.179
Subtotal Recurring	*0 / 55.794*	*- / 4.746*	*- / 36.471*	*- / 14.575*	*- / -*	*- / 14.575*	*- / 12.767*	*- / 13.043*	*- / 11.257*	*- / 10.270*	*- / 10.824*	*- / 169.747*
Non-Recurring												
Nonrecurring	0 / 1.200	- / -	- / 0.341	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.541
Subtotal Non-Recurring	*0 / 1.200*	*- / -*	*- / 0.341*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.541*
B Kits												
Recurring												
Hardware	0 / 152.564	- / 85.607	- / 73.417	- / 20.991	- / -	- / 20.991	- / 49.249	- / 48.167	- / 31.057	- / 24.288	- / 35.181	- / 520.521
Subtotal Recurring	*0 / 152.564*	*- / 85.607*	*- / 73.417*	*- / 20.991*	*- / -*	*- / 20.991*	*- / 49.249*	*- / 48.167*	*- / 31.057*	*- / 24.288*	*- / 35.181*	*- / 520.521*
Total, Fielded Fleet Upgrades and Weight Reduction	*0 / 209.558*	*- / 90.353*	*- / 110.229*	*- / 35.566*	*- / -*	*- / 35.566*	*- / 62.016*	*- / 61.210*	*- / 42.314*	*- / 34.558*	*- / 46.005*	*- / 691.809*
OH-58F CASUP												
A Kits												
Recurring												
Training Devices / NET	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 27.821	- / 22.904	- / 46.650	- / 22.530	- / 50.551	- / 170.456
Support Equipment	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 2.368	- / 2.353	- / 1.413	- / 0.651	- / 0.846	- / 7.631
Fielding	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 3.774	- / 4.606	- / 4.439	- / 4.235	- / 32.500	- / 49.554
Post Deployment Software Supt	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.562	- / 6.071	- / 7.634	- / 65.799	- / 84.066
Engineering Support	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 2.720	- / 4.061	- / 4.134	- / 3.826	- / 28.779	- / 43.520
Program Management	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 17.515	- / 16.760	- / 17.306	- / 14.813	- / 71.969	- / 138.363
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 54.198*	*- / 55.246*	*- / 80.013*	*- / 53.689*	*- / 250.444*	*- / 493.590*
Total, OH-58F CASUP	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 54.198*	*- / 55.246*	*- / 80.013*	*- / 53.689*	*- / 250.444*	*- / 493.590*
OH-58F CASUP Long Lead												

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2200 - Kiowa Mods Warrior	**Modification Nomenclature (*Modification Number - Modification Title*):** several - Kiowa Warrior Modification Programs
Models of Systems Affected: OH-58D, OH-58F	**Type Modification:** Operational/Safety	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
A Kits												
Recurring												
CDS5 A-Kits	0 / 0.000	- / -	11 / 4.543	38 / 25.720	- / -	38 / 25.720	42 / 27.746	49 / 32.399	49 / 32.772	46 / 31.319	200 / 132.943	435 / 287.442
BHTI A-Kits	0 / 0.000	- / -	29 / 10.014	42 / 24.504	- / -	42 / 24.504	55 / 31.628	49 / 29.605	46 / 30.718	46 / 31.271	168 / 135.169	435 / 292.909
Engineering Support	0 / 0.000	- / -	- / 0.948	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.948
PMO	0 / 0.000	- / -	- / 0.741	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.741
Subtotal Recurring	*0 / 0.000*	*- / -*	*40 / 16.246*	*80 / 50.224*	*- / -*	*80 / 50.224*	*97 / 59.374*	*98 / 62.004*	*95 / 63.490*	*92 / 62.590*	*368 / 268.112*	*870 / 582.040*
Non-Recurring												
Tooling	0 / 0.000	- / -	- / 14.168	- / 23.341	- / -	- / 23.341	- / -	- / -	- / -	- / -	- / -	- / 37.509
Support Equipment	0 / 0.000	- / -	- / -	- / 2.827	- / -	- / 2.827	- / -	- / -	- / -	- / -	- / -	- / 2.827
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / 14.168*	*- / 26.168*	*- / -*	*- / 26.168*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 40.336*
B Kits												
Recurring												
NMS B-Kits	0 / 0.000	- / -	29 / 23.324	38 / 31.449	- / -	38 / 31.449	42 / 35.593	49 / 41.292	49 / 53.674	46 / 51.295	167 / 206.398	420 / 443.025
New IMCPU B-Kits	0 / 0.000	- / -	30 / 9.172	40 / 11.019	- / -	40 / 11.019	44 / 11.858	51 / 12.577	51 / 14.107	46 / 12.953	19 / 4.960	281 / 76.646
Other B-Kits	0 / 0.000	- / -	11 / 3.839	40 / 16.853	- / -	40 / 16.853	44 / 41.949	51 / 38.368	51 / 39.772	46 / 26.839	192 / 130.658	435 / 298.278
Subtotal Recurring	*0 / 0.000*	*- / -*	*70 / 36.335*	*118 / 59.321*	*- / -*	*118 / 59.321*	*130 / 89.400*	*151 / 92.237*	*151 / 107.553*	*138 / 91.087*	*378 / 342.016*	*1,136 / 817.949*
Total, OH-58F CASUP Long Lead	*0 / 0.000*	*- / -*	*110 / 66.749*	*198 / 135.713*	*- / -*	*198 / 135.713*	*227 / 148.774*	*249 / 154.241*	*246 / 171.043*	*230 / 153.677*	*746 / 610.128*	*2,006 / 1,440.325*
OH-58F CASUP Recapitalization												
A Kits												
Recurring												
OH-58F Cabin Recurring	0 / 0.000	- / -	- / -	- / -	- / -	- / -	20 / 74.144	20 / 71.697	20 / 69.810	20 / 68.622	80 / 266.770	160 / 551.043
Program Management	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.494	- / 0.484	- / 0.628	- / 0.618	- / 2.430	- / 4.654
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*20 / 74.638*	*20 / 72.181*	*20 / 70.438*	*20 / 69.240*	*80 / 269.200*	*160 / 555.697*
Non-Recurring												
OH-58F Cabin Tooling	0 / 0.000	- / -	- / 5.887	- / 7.906	- / -	- / 7.906	- / 6.839	- / -	- / -	- / -	- / -	- / 20.632
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / 5.887*	*- / 7.906*	*- / -*	*- / 7.906*	*- / 6.839*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 20.632*
B Kits												
Recurring												
Other Structural Components	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.863	- / 1.565	- / 1.617	- / 1.657	- / 7.023	- / 13.725

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2200 - Kiowa Mods Warrior	**Modification Nomenclature (*Modification Number - Modification Title*):** several - Kiowa Warrior Modification Programs
Models of Systems Affected: OH-58D, OH-58F	**Type Modification:** Operational/Safety	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.863*	*- / 1.565*	*- / 1.617*	*- / 1.657*	*- / 7.023*	*- / 13.725*
Total, OH-58F CASUP Recapitalization	*0 / 0.000*	*- / -*	*- / 5.887*	*- / 7.906*	*- / -*	*- / 7.906*	*20 / 83.340*	*20 / 73.746*	*20 / 72.055*	*20 / 70.897*	*80 / 276.223*	*160 / 590.054*
Wartime Replacement Aircraft (WRA)												
A Kits												
Recurring												
AC Modification Quantity	15 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / -
BHTI Cabin Mod/New Metal Cabins	0 / 62.842	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 62.842
GFE/Hardware	0 / 76.330	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 76.330
CCAD Labor/Material	0 / 19.753	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.753
Program Support - Govt	0 / 6.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.900
ECP	0 / 15.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.500
Subtotal Recurring	*15 / 181.325*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*15 / 181.325*
Total, Wartime Replacement Aircraft (WRA)	*15 / 181.325*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*15 / 181.325*
Total Procurement, All Modifications	*15 / 390.883*	*- / 90.353*	*110 / 182.865*	*198 / 179.185*	*- / -*	*198 / 179.185*	*247 / 348.328*	*269 / 344.443*	*266 / 365.425*	*250 / 312.821*	*826 / 1,182.800*	*2,181 / 3,397.103*
Total Procurement and Support	*390.883*	*90.353*	*182.865*	*179.185*	*-*	*179.185*	*348.328*	*344.443*	*365.425*	*312.821*	*1,182.800*	*3,397.103*
Fielded Fleet Upgrades and Weight Reduction Installation Cost	0 / 4.200	- / 2.199	- / 9.619	- / 4.859	- / -	- / 4.859	- / 7.591	- / 10.110	- / 8.383	- / 2.626	- / 3.495	- / 53.082
OH-58F CASUP Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	27 / 68.041	33 / 71.755	38 / 79.688	40 / 82.841	226 / 476.810	364 / 779.135
OH-58F CASUP Long Lead Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
OH-58F CASUP Recapitalization Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Wartime Replacement Aircraft (WRA) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Installation Cost	*0 / 4.200*	*- / 2.199*	*- / 9.619*	*- / 4.859*	*- / -*	*- / 4.859*	*27 / 75.632*	*33 / 81.865*	*38 / 88.071*	*40 / 85.467*	*226 / 480.305*	*364 / 832.217*
Total Cost (Procurement + Support + Installation)	**395.083**	**92.552**	**192.484**	**184.044**	**-**	**184.044**	**423.960**	**426.308**	**453.496**	**398.288**	**1,663.105**	**4,229.320**

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2200 - Kiowa Mods Warrior	**Modification Nomenclature (*Modification Number - Modification Title*):** several - Kiowa Warrior Modification Programs
Models of Systems Affected: OH-58D, OH-58F	**Type Modification:** Operational/Safety	**Related RDT&E PEs:**

Manufacturer Information: Fielded Fleet Upgrades and Weight Reduction

Manufacturer Name: various	Manufacturer Location: various
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Fielded Fleet Upgrades and Weight Reduction	Method of Implementation: various	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 4.200	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 4.200
FY 2012	0 / 0.000	- / 2.199	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.199
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / 9.619	- / 4.859	- / -	- / 4.859	- / -	- / -	- / -	- / -	- / -	- / 14.478
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 7.591	- / -	- / -	- / -	- / -	- / 7.591
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.110	- / -	- / -	- / -	- / 10.110
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.383	- / -	- / -	- / 8.383
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.626	- / -	- / 2.626
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.495	- / 3.495
Total	0 / 4.200	- / 2.199	- / 9.619	- / 4.859	- / -	- / 4.859	- / 7.591	- / 10.110	- / 8.383	- / 2.626	- / 3.495	- / 53.082

Installation Schedule

		FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018					
	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	TC	Tot
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2200 - Kiowa Mods Warrior	**Modification Nomenclature (*Modification Number - Modification Title*):** several - Kiowa Warrior Modification Programs

Models of Systems Affected: OH-58D, OH-58F	Type Modification: Operational/Safety	Related RDT&E PEs:

Manufacturer Information: OH-58F CASUP

Manufacturer Name: Corpus Christi Army Depot (CCAD)	Manufacturer Location: Corpus Christi, TX
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 9

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates				Mar 2015	Mar 2016	Mar 2017	Mar 2018
Delivery Dates				Jan 2016	Jan 2017	Jan 2018	Jan 2019

Installation: OH-58F CASUP

Method of Implementation: Military Interdepartmental Purchase Request (MIPR)

Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	27 / 68.041	- / -	- / -	- / -	- / -	27 / 68.041
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	33 / 71.755	- / -	- / -	- / -	33 / 71.755
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 79.688	- / -	- / -	38 / 79.688
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 82.841	- / -	40 / 82.841
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	226 / 476.810	226 / 476.810
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	27 / 68.041	33 / 71.755	38 / 79.688	40 / 82.841	226 / 476.810	364 / 779.135

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	7	7	8	8	8	8	9	9	9	10	10	10	10	246	364
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	7	7	8	8	8	8	9	9	9	10	276	364

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2200 - Kiowa Mods Warrior	**Modification Nomenclature (*Modification Number - Modification Title*):** several - Kiowa Warrior Modification Programs
Models of Systems Affected: OH-58D, OH-58F	**Type Modification:** Operational/Safety	**Related RDT&E PEs:**

Manufacturer Information: OH-58F CASUP Long Lead

Manufacturer Name: Various	Manufacturer Location: Various
Administrative Leadtime *(in Months)*: 12	Production Leadtime *(in Months)*: 21

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates		May 2013	May 2014	May 2015	May 2016	May 2017	May 2018
Delivery Dates		Feb 2015	Feb 2016	Feb 2017	Feb 2018	Feb 2019	Feb 2020

Installation: OH-58F CASUP Long Lead | **Method of Implementation:** Various | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	5	7	7	8	8	8	8	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	166	364
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	7	7	8	8	8	8	9	9	9	10	10	10	10	10	236	364

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2200 - Kiowa Mods Warrior	**Modification Nomenclature (*Modification Number - Modification Title*):** several - Kiowa Warrior Modification Programs

Models of Systems Affected: OH-58D, OH-58F	Type Modification: Operational/Safety	Related RDT&E PEs:

Manufacturer Information: OH-58F CASUP Recapitalization

Manufacturer Name: Bell Helicopter Textron, Inc	Manufacturer Location: Amarillo, TX
Administrative Leadtime *(in Months)*: 12	Production Leadtime *(in Months)*: 24

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates				May 2015	May 2016	May 2017	May 2018
Delivery Dates				May 2017	May 2018	May 2019	May 2020

Installation: OH-58F CASUP Recapitalization	Method of Implementation: SS/FFP	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	5	110	180
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	5	5	5	5	150	180

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AZ2200 - Kiowa Mods Warrior	**Modification Nomenclature (*Modification Number - Modification Title*):** several - Kiowa Warrior Modification Programs

Models of Systems Affected: OH-58D, OH-58F	Type Modification: Operational/Safety	Related RDT&E PEs:

Manufacturer Information: Wartime Replacement Aircraft (WRA)

Manufacturer Name: Bell Helicopter Textron Incorporated and Corpus Christi Army Depot (CCAD)	Manufacturer Location: Amarillo, TX and Corpus Christi, TX
Administrative Leadtime *(in Months)*: 4	Production Leadtime *(in Months)*: 30

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Oct 2010						
Delivery Dates	Apr 2013						

Installation: Wartime Replacement Aircraft (WRA)

Method of Implementation: Sole Source/Firm Fixed Price (SS/FFP) and Military Interdepartmental Purchase Request (MIPR)

Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Out	-	-	-	1	-	3	2	3	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0712 - Network And Mission Plan
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**
MDAP/MAIS Code(s):	**Other Related Program Elements:** 0604201A

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	-	118.432	190.789	152.569	-	152.569	182.009	186.239	185.675	172.847	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	118.432	190.789	152.569	-	152.569	182.009	186.239	185.675	172.847	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**118.432**	**190.789**	**152.569**	**-**	**152.569**	**182.009**	**186.239**	**185.675**	**172.847**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	82.089	101.430	-	-	-	819.318	1,096.305	135.822	-	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The Network and Mission Plan budget line includes the Aviation Mission Planning System (AMPS), the Improved Data Modem (IDM), the Aviation Data Exploitation Capability (ADEC), the Aircraft Notebook (ACN), the Degraded Visual Environment (DVE) System, previously referred to as the Helicopter Terrain Avoidance and Warning System (HTAWS), and the Aviation Logistics Enterprise-Platform (ALE-P).

The AMPS is a mission planning/battle synchronization tool that automates aviation mission planning tasks, including tactical command and control, mission planning, and flight planning. It interfaces with Army Mission Command Systems (AMCS) and associated networks which furnish the aviation commander with continuous situational awareness, allowing the commander to rapidly adjust mission plans. AMPS generates mission data in either hard copy or electronic formats. The electronic formats are loaded onto the aircraft platforms, initializing the communication, navigation, situational awareness, and weapons systems on the aircraft including the AH-64D/F, CH-47D/F, OH-58D/F Kiowa Warrior, UH-60A/L/M/Q, HH-60L/M, and Unmanned Aircraft Systems (UAS). The AMPS program includes management of the Commander's Aviation Risk Tool and the Centralized Aviation Flight Records System (CAFRS). To accommodate rapid commercial technology changes, the overall system hardware is replaced after five years of use.

The IDM is the common solution for digitizing Army Aviation. It performs as an internet controller and gateway to Tactical Internet (TI) and Fire Support (FS) internet for Army aircraft. With interfaces supporting a transmit/receive terminal, the IDM provides radio connectivity to the ARC-201D/231, ARC-186, ARC-164, and the Blue Force Tracker transceiver, as well as providing 1553 and Ethernet portals for rapid data transfer. This hardware/software solution also provides a flexible, software-driven digital messaging system that is interoperable with existing Army and Joint forces battlefield operating systems. The IDM provides Situational Awareness and Joint Variable Message Format messages capability to the cockpit. The IDM is currently utilized by the AH-64D, OH-58D, CH-47F, and UH/HH-60M.

The ADEC is an Army Aviation program to develop, integrate, test, and field specific capabilities needed at the Aviation unit level to implement and support improvements within aviation maintenance, operations, safety and training. ADEC will standardize data and information formats, consolidate disconnected and disparate systems containing redundant data and requiring duplicate data entry, and provide a comprehensive and fully integrated automated information system. ADEC provides a common and interoperable capability required to implement Condition Based Maintenance, Military Flight Operations Quality Assurance, and Platform Maintenance Environment processes.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0712 - Network And Mission Plan

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604201A

MDAP/MAIS Code(s):

The ACN is the hardware and software which provides the digital logbook functionality, technical manuals and aircraft ground station software that will reside on the laptop computer to support maintenance activity within aviation units. Procurement is to support training and fielding efforts.

The DVE system, previously referred to as the Helicopter Terrain Avoidance and Warning System (HTAWS), is required to reduce personnel and rotocraft losses while conducting both tactical and training missions in environments that restrict or severely reduce the aircrews visibility due to atmospheric obscurants. The DVE system will improve safety, reduce risk and add flexibility to aviation units by enhancing situational awareness through real-time detection and warning of terrain, obstacles and hazards. The DVE System will consist of integrated rotorcraft pilotage augmentation systems; sensor(s); software; software related hardware; and pilot to system interfaces and cueing devices. The DVE system will fuse a synthetic vision avionics backbone with aircraft state data and obscurant penetrating sensor(s) to provide a single rotorcraft capability for ground taxi, hover, takeoff and landing modes of flight. The DVE system will be integrated on CH-47F, AH-64D, OH-58D/F, and HH/UH-60 L/M rotorcraft.

ALE-P will replace the Unit Level Logistics System-Aviation (Enhanced) (ULLS-A[E]) which has transitioned into sustainment and the Unmanned Aviation Systems-Initiative (UAS-I) which currently only provides automated logistics capabilities for the UAS community. ALE-P will provide an Aviation enterprise capability interface to the Global Combat Support System-Army (GCSS-Army). ALE-P will be a combination of software and hardware that forms a Logistics Management and Decision Support System (DSS). ALE-P will interface with the ACN and the ADEC as an integrated Family of Systems. There is no installation of ALE-P because it consists of loading software on a server which is done by training/fielding teams.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	118.432	190.789	152.569	-	152.569	182.009	186.239	185.675	172.847

Item Schedule		ID CD	Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits		Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0000 - Network and Mission Plan	P3A		-	-	-	-	-	118.432	-	-	190.789	-	-	152.569	-	-	-	-	-	152.569
Total Gross/Weapon System Cost					**-**			**118.432**			**190.789**			**152.569**			**-**			**152.569**

Item Schedule		ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0000 - Network and Mission Plan	P3A		819.318	-	182.009	1,096.305	-	186.239	135.822	-	185.675	-	-	172.847	Continuing			Continuing		
Total Gross/Weapon System Cost					**182.009**			**186.239**			**185.675**			**172.847**	**Continuing**			**Continuing**		

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0712 - Network And Mission Plan	
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0604201A
MDAP/MAIS Code(s):		

FY 2014 Base procurement dollars in the amount of $25.939 million supports the procurement of AMPS upgrades to system software to support aviation fleet modernization programs and support of CAFRS Phase II. AMPS hardware (B-Kits) is being replaced on a 5-year cycle to maintain pace with technology. FY 2014 is the third year of the latest cycle, with the next planned purchase of hardware (B-kits) being in FY 2015.

FY 2014 Base procurement dollars in the amount of $73.848 million supports the procurement of IDM Redesign B Kits to mitigate parts obsolescence concerns and to provide a technology refresh to the IDM hardware. These B Kits support production line programs for the AH-64D, CH-47F, HH/UH-60M helicopters and OH-58D Safety Enhancement Program. The IDM enhances Army Aviation's interoperability, lethality, and operational tempo by providing a common solution for fast and accurate data-burst communications via the TI and FS internet networks. The IDM provides a capability to communicate across the digital battlefield while also providing the flexibility to adapt to technology change.

FY 2014 Base procurement dollars in the amount of $29.656 million supports the procurement, fielding, and training of ADEC systems for Army rotary wing units. This program will provide users at all levels of the Army with the required information to conduct analyses and make decisions in the areas of maintenance, operations, safety, and training to ensure efficient fleet management, to reduce operations and support costs and to improve operational readiness.

FY 2014 Base procurement dollars in the amount of $7.672 million supports the procurement, fielding, and training of ACN systems for Army Rotary Wing units. This program will enable At-Aircraft maintenance actions and ensure efficient fleet management to improve operation readiness.

FY 2014 Base procurement dollars in the amount of $15.454 million supports the procurement, training, and fielding of ALE-P systems for Army Rotary Wing units. This program will provide users with the capability to receive, process, analyze, and transmit data from Quality Control, Product Control, Tech Supply, Backshop, and Phase Module activities, and provide the Aviation interface to Army Logistics Systems such as GCSS-Army.

All COMPO 1 Active

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

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0712 - Network And Mission Plan	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Network and Mission Plan
Models of Systems Affected: AH-64D/F, CH-47D/F, OH-58D/F, UH-60A/L/M/Q, HH-60L/M, UAS	**Type Modification:** Rationalization, Standardization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	-	118.432	190.789	152.569	-	152.569	182.009	186.239	185.675	172.847	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	118.432	190.789	152.569	-	152.569	182.009	186.239	185.675	172.847	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**118.432**	**190.789**	**152.569**	**-**	**152.569**	**182.009**	**186.239**	**185.675**	**172.847**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	82.089	101.430	-	-	-	819.318	1,096.305	135.822	-	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The Network and Mission Plan budget line includes the Aviation Mission Planning System (AMPS), the Improved Data Modem (IDM), the Aviation Data Exploitation Capability (ADEC), the Aircraft Notebook (ACN), the Degraded Visual Environment (DVE) System, previously referred to as the Helicopter Terrain Avoidance and Warning System (HTAWS), and the Aviation Logistics Enterprise-Platform (ALE-P).

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Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0712 - Network And Mission Plan	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Network and Mission Plan
Models of Systems Affected: AH-64D/F, CH-47D/F, OH-58D/F, UH-60A/L/M/Q, HH-60L/M, UAS	**Type Modification:** Rationalization, Standardization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

The ACN is the hardware and software which provides the digital logbook functionality, technical manuals and aircraft ground station software that will reside on the laptop computer to support maintenance activity within aviation units. Procurement is to support training and fielding efforts.

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FY 2014 Base procurement dollars in the amount of $25.939 million supports the procurement of AMPS upgrades to system software to support aviation fleet modernization programs and support of CAFRS Phase II. AMPS hardware (B-Kits) is being replaced on a 5-year cycle to maintain pace with technology. FY 2014 is the third year of the latest cycle, with the next planned purchase of hardware (B-kits) being in FY 2015.

FY 2014 Base procurement dollars in the amount of $73.848 million supports the procurement of IDM Redesign B Kits to mitigate parts obsolescence concerns and to provide a technology refresh to the IDM hardware. These B Kits support production line programs for the AH-64D, CH-47F, HH/UH-60M helicopters and OH-58D Safety Enhancement Program. The IDM enhances Army Aviation's interoperability, lethality, and operational tempo by providing a common solution for fast and accurate data-burst communications via the TI and FS internet networks. The IDM provides a capability to communicate across the digital battlefield while also providing the flexibility to adapt to technology change.

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FY 2014 Base procurement dollars in the amount of $15.454 million supports the procurement, training, and fielding of ALE-P systems for Army Rotary Wing units. This program will provide users with the capability to receive, process, analyze, and transmit data from Quality Control, Product Control, Tech Supply, Backshop, and Phase Module activities, and provide the Aviation interface to Army Logistics Systems such as GCSS-Army.

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0712 - Network And Mission Plan	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Network and Mission Plan
Models of Systems Affected: AH-64D/F, CH-47D/F, OH-58D/F, UH-60A/L/M/Q, HH-60L/M, UAS	**Type Modification:** Rationalization, Standardization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Procurement												
Aviation Mission Planning System (AMPS)												
B Kits												
Recurring												
Kit Quantity- (Computer)	0 / 0.000	1,180 / 11.587	1,020 / 10.127	- / -	- / -	- / -	30 / 0.356	30 / 0.363	1,334 / 14.357	1,334 / 14.615	- / -	4,928 / 51.405
ECPs	0 / 0.000	- / 14.893	- / 12.950	- / 14.682	- / -	- / 14.682	- / 14.710	- / 15.898	- / 15.354	- / 14.766	- / -	- / 103.253
Systems Engineering	0 / 0.000	- / 1.237	- / 1.258	- / 1.042	- / -	- / 1.042	- / 1.060	- / 1.080	- / 1.099	- / 1.119	- / -	- / 7.895
System Test and Eval	0 / 0.000	- / 1.829	- / 1.789	- / 1.841	- / -	- / 1.841	- / 1.853	- / 1.908	- / 1.920	- / 1.977	- / -	- / 13.117
Fielding/Training	0 / 0.000	- / 7.086	- / 6.965	- / 7.209	- / -	- / 7.209	- / 7.429	- / 7.449	- / 7.663	- / 6.808	- / -	- / 50.609
Other- PM Admin	0 / 0.000	- / 1.596	- / 1.363	- / 1.165	- / -	- / 1.165	- / 1.290	- / 1.215	- / 1.683	- / 1.547	- / -	- / 9.859
Subtotal Recurring	*0 / 0.000*	*1,180 / 38.228*	*1,020 / 34.452*	*- / 25.939*	*- / -*	*- / 25.939*	*30 / 26.698*	*30 / 27.913*	*1,334 / 42.076*	*1,334 / 40.832*	*- / -*	*4,928 / 236.138*
Total, Aviation Mission Planning System (AMPS)	*0 / 0.000*	*1,180 / 38.228*	*1,020 / 34.452*	*- / 25.939*	*- / -*	*- / 25.939*	*30 / 26.698*	*30 / 27.913*	*1,334 / 42.076*	*1,334 / 40.832*	*- / -*	*4,928 / 236.138*
Aviation Data Exploitation Capability (ADEC)												
B Kits												
Recurring												
Kit Quantity- ADEC Bn Sets	0 / 0.000	- / -	32 / 11.806	43 / 14.587	- / -	43 / 14.587	43 / 15.381	42 / 15.655	27 / 11.214	27 / 11.405	- / -	214 / 80.048
ECP (SW)	0 / 0.000	- / -	- / 2.805	- / 6.768	- / -	- / 6.768	- / 5.566	- / 7.660	- / 10.207	- / 5.346	- / -	- / 38.352
Data	0 / 0.000	- / -	- / 0.498	- / 0.507	- / -	- / 0.507	- / 0.515	- / 0.524	- / 0.533	- / 0.542	- / -	- / 3.119
Systems Engineering	0 / 0.000	- / -	- / 0.642	- / -	- / -	- / -	- / 1.507	- / 1.324	- / 1.348	- / 1.372	- / -	- / 6.193
System Test & Eval	0 / 0.000	- / -	- / 0.365	- / 0.457	- / -	- / 0.457	- / 0.465	- / 0.473	- / 0.481	- / 0.282	- / -	- / 2.523
Fielding/Training	0 / 0.000	- / -	- / 5.330	- / 6.765	- / -	- / 6.765	- / 8.226	- / 9.940	- / 0.290	- / -	- / -	- / 30.551
Other- PM Admin	0 / 0.000	- / -	- / 0.830	- / 0.572	- / -	- / 0.572	- / 0.812	- / 0.902	- / 0.802	- / 0.674	- / -	- / 4.592
Subtotal Recurring	*0 / 0.000*	*- / -*	*32 / 22.276*	*43 / 29.656*	*- / -*	*43 / 29.656*	*43 / 32.472*	*42 / 36.478*	*27 / 24.875*	*27 / 19.621*	*- / -*	*214 / 165.378*
Total, Aviation Data Exploitation Capability (ADEC)	*0 / 0.000*	*- / -*	*32 / 22.276*	*43 / 29.656*	*- / -*	*43 / 29.656*	*43 / 32.472*	*42 / 36.478*	*27 / 24.875*	*27 / 19.621*	*- / -*	*214 / 165.378*
Improved Data Modem (IDM)												
B Kits												
Recurring												
Kit Quantity- IDM	0 / 0.000	412 / 9.776	320 / 7.719	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	732 / 17.495
Kit Quantity- IDM OSA	0 / 0.000	70 / 1.890	509 / 13.963	578 / 33.419	- / -	578 / 33.419	120 / 7.070	232 / 13.801	358 / 21.302	343 / 20.625	- / -	2,210 / 112.070
Aircraft Integration	0 / 0.000	- / 47.457	- / 75.199	- / 20.800	- / -	- / 20.800	- / 37.609	- / 34.475	- / 38.476	- / 37.501	- / -	- / 291.517
ECP (SW)	0 / 0.000	- / 8.876	- / 6.894	- / 7.647	- / -	- / 7.647	- / 10.815	- / 6.793	- / 11.230	- / 7.058	- / -	- / 59.313

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0712 - Network And Mission Plan	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Network and Mission Plan
Models of Systems Affected: AH-64D/F, CH-47D/F, OH-58D/F, UH-60A/L/M/Q, HH-60L/M, UAS	**Type Modification:** Rationalization, Standardization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Systems Engineering	0 / 0.000	- / 1.921	- / 2.306	- / 1.771	- / -	- / 1.771	- / 1.802	- / 1.834	- / 1.867	- / 1.900	- / -	- / 13.401
System Test & Eval	0 / 0.000	- / 5.782	- / 5.905	- / 6.533	- / -	- / 6.533	- / 6.650	- / 6.769	- / 6.891	- / 7.014	- / -	- / 45.544
Fielding/Training	0 / 0.000	- / 0.517	- / 0.532	- / 0.551	- / -	- / 0.551	- / 0.541	- / 0.549	- / 0.557	- / 0.569	- / -	- / 3.816
Other- PM Admin	0 / 0.000	- / 2.740	- / 2.730	- / 3.127	- / -	- / 3.127	- / 2.689	- / 2.673	- / 3.032	- / 3.237	- / -	- / 20.228
Subtotal Recurring	*0 / 0.000*	*482 / 78.959*	*829 / 115.248*	*578 / 73.848*	*- / -*	*578 / 73.848*	*120 / 67.176*	*232 / 66.894*	*358 / 83.355*	*343 / 77.904*	*- / -*	*2,942 / 563.384*
Total, Improved Data Modem (IDM)	*0 / 0.000*	*482 / 78.959*	*829 / 115.248*	*578 / 73.848*	*- / -*	*578 / 73.848*	*120 / 67.176*	*232 / 66.894*	*358 / 83.355*	*343 / 77.904*	*- / -*	*2,942 / 563.384*
Aircraft Notebook (ACN)												
B Kits												
Recurring												
ECP (SW)	0 / 0.000	- / -	- / 2.675	- / 0.600	- / -	- / 0.600	- / 1.112	- / 1.132	- / 1.383	- / 1.642	- / -	- / 8.544
Data	0 / 0.000	- / -	- / 0.236	- / 0.111	- / -	- / 0.111	- / 0.199	- / 0.074	- / 0.092	- / 0.227	- / -	- / 0.939
Systems Engineering	0 / 0.000	- / -	- / 0.755	- / -	- / -	- / -	- / 1.093	- / 1.113	- / 1.132	- / 1.153	- / -	- / 5.246
System Test	0 / 0.000	- / -	- / 0.241	- / 0.052	- / -	- / 0.052	- / 0.053	- / 0.054	- / 0.055	- / 0.056	- / -	- / 0.511
Fielding/Training	0 / 0.000	- / 1.208	- / 4.406	- / 6.649	- / -	- / 6.649	- / 9.039	- / 10.073	- / 0.410	- / 0.553	- / -	- / 32.338
Other- PM Admin	0 / 0.000	- / 0.037	- / 0.500	- / 0.260	- / -	- / 0.260	- / 0.426	- / 0.452	- / 0.243	- / 0.261	- / -	- / 2.179
Subtotal Recurring	*0 / 0.000*	*- / 1.245*	*- / 8.813*	*- / 7.672*	*- / -*	*- / 7.672*	*- / 11.922*	*- / 12.898*	*- / 3.315*	*- / 3.892*	*- / -*	*- / 49.757*
Total, Aircraft Notebook (ACN)	*0 / 0.000*	*- / 1.245*	*- / 8.813*	*- / 7.672*	*- / -*	*- / 7.672*	*- / 11.922*	*- / 12.898*	*- / 3.315*	*- / 3.892*	*- / -*	*- / 49.757*
Degraded Visual Environments												
B Kits												
Recurring												
Kit Quantity- Sensor	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 17.869	- / 14.992	- / 2.415	- / -	- / -	- / 35.276
Fielding/Training	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 3.805	- / 6.398	- / 5.879	- / 5.726	- / -	- / 21.808
PM Admin	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.506	- / 0.509	- / 0.223	- / 0.201	- / -	- / 1.439
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 22.180*	*- / 21.899*	*- / 8.517*	*- / 5.927*	*- / -*	*- / 58.523*
Total, Degraded Visual Environments	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 22.180*	*- / 21.899*	*- / 8.517*	*- / 5.927*	*- / -*	*- / 58.523*
Aviation Logistics Enterprise-Platform (ALE-P)												
B Kits												
Recurring												
Kit Quantity (Work station)	0 / 0.000	- / -	- / -	1,093 / 4.538	- / -	1,093 / 4.538	1,355 / 3.346	490 / 1.740	772 / 3.103	544 / 2.771	- / -	4,254 / 15.498
Kit Quantity (Server)	0 / 0.000	- / -	- / -	70 / 1.606	- / -	70 / 1.606	116 / 2.595	111 / 2.620	104 / 2.678	50 / 1.232	- / -	451 / 10.731
Kit Quantity (Port)	0 / 0.000	- / -	- / -	- / 0.233	- / -	- / 0.233	- / 0.239	- / 0.228	- / 0.084	- / 0.162	- / -	- / 0.946

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0712 - Network And Mission Plan	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Network and Mission Plan
Models of Systems Affected: AH-64D/F, CH-47D/F, OH-58D/F, UH-60A/L/M/Q, HH-60L/M, UAS	**Type Modification:** Rationalization, Standardization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
ECPs	0 / 0.000	- / -	- / -	- / 0.682	- / -	- / 0.682	- / 1.749	- / 3.458	- / 3.521	- / 13.732	- / -	- / 23.142
Equipment	0 / 0.000	- / -	- / 10.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.000
Systems Engineering	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.052	- / 1.197	- / 1.218	- / 1.240	- / -	- / 4.707
Data	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.084	- / 0.086	- / 0.351	- / 0.358	- / -	- / 0.879
System Test & Eval	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.041	- / 1.060	- / -	- / 2.101
PM Admin	0 / 0.000	- / -	- / -	- / 0.450	- / -	- / 0.450	- / 0.474	- / 0.466	- / 0.577	- / 0.616	- / -	- / 2.583
Subtotal Recurring	*0 / 0.000*	- / -	- / 10.000	*1,163 / 7.509*	- / -	*1,163 / 7.509*	*1,471 / 9.539*	*601 / 9.795*	*876 / 12.573*	*594 / 21.171*	- / -	*4,705 / 70.587*
Non-Recurring												
Aircraft Integration	0 / 0.000	- / -	- / -	- / 0.098	- / -	- / 0.098	- / -	- / -	- / -	- / -	- / -	- / 0.098
Fielding	0 / 0.000	- / -	- / -	- / 7.847	- / -	- / 7.847	- / 12.022	- / 10.362	- / 10.964	- / 3.500	- / -	- / 44.695
Subtotal Non-Recurring	*0 / 0.000*	- / -	- / -	- / *7.945*	- / -	- / *7.945*	- / *12.022*	- / *10.362*	- / *10.964*	- / *3.500*	- / -	- / *44.793*
Total, Aviation Logistics Enterprise-Platform (ALE-P)	*0 / 0.000*	- / -	- / 10.000	*1,163 / 15.454*	- / -	*1,163 / 15.454*	*1,471 / 21.561*	*601 / 20.157*	*876 / 23.537*	*594 / 24.671*	- / -	*4,705 / 115.380*
Total Procurement, All Modifications	*0 / 0.000*	*1,662 / 118.432*	*1,881 / 190.789*	*1,784 / 152.569*	- / -	*1,784 / 152.569*	*1,664 / 182.009*	*905 / 186.239*	*2,595 / 185.675*	*2,298 / 172.847*	- / -	*12,789 / 1,188.560*
Total Procurement and Support	*0.000*	*118.432*	*190.789*	*152.569*	-	*152.569*	*182.009*	*186.239*	*185.675*	*172.847*	-	*1,188.560*
Aviation Mission Planning System (AMPS) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Aviation Data Exploitation Capability (ADEC) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Improved Data Modem (IDM) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Aircraft Notebook (ACN) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Degraded Visual Environments Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Aviation Logistics Enterprise-Platform (ALE-P) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Installation Cost	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Cost (Procurement + Support + Installation)	**0.000**	**118.432**	**190.789**	**152.569**	**-**	**152.569**	**182.009**	**186.239**	**185.675**	**172.847**	**-**	**1,188.560**

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0712 - Network And Mission Plan	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Network and Mission Plan
Models of Systems Affected: AH-64D/F, CH-47D/F, OH-58D/F, UH-60A/L/M/Q, HH-60L/M, UAS	**Type Modification:** Rationalization, Standardization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

Manufacturer Information: Aviation Mission Planning System (AMPS)

Manufacturer Name: AMRDEC Software Engineering Directorate	Manufacturer Location: Redstone Arsenal, AL
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Aviation Mission Planning System (AMPS) | **Method of Implementation:** Not Applicable | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0712 - Network And Mission Plan	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Network and Mission Plan
Models of Systems Affected: AH-64D/F, CH-47D/F, OH-58D/F, UH-60A/L/M/Q, HH-60L/M, UAS	**Type Modification:** Rationalization, Standardization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

Manufacturer Information: Aviation Data Exploitation Capability (ADEC)

Manufacturer Name: AMRDEC Software Engineering Directorate	Manufacturer Location: Redstone Arsenal, AL
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Aviation Data Exploitation Capability (ADEC)	Method of Implementation: Not Applicable	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0712 - Network And Mission Plan	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Network and Mission Plan
Models of Systems Affected: AH-64D/F, CH-47D/F, OH-58D/F, UH-60A/L/M/Q, HH-60L/M, UAS	**Type Modification:** Rationalization, Standardization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

Manufacturer Information: Improved Data Modem (IDM)

Manufacturer Name: Symetrics Industries, LLC	Manufacturer Location: Melborne, FL
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Improved Data Modem (IDM)	Method of Implementation: Not Applicable	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0712 - Network And Mission Plan	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Network and Mission Plan
Models of Systems Affected: AH-64D/F, CH-47D/F, OH-58D/F, UH-60A/L/M/Q, HH-60L/M, UAS	**Type Modification:** Rationalization, Standardization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

Manufacturer Information: Aircraft Notebook (ACN)

Manufacturer Name: AMRDEC Software Engineering Directorate	Manufacturer Location: Redstone Arsenal, AL
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Aircraft Notebook (ACN) | **Method of Implementation:** Not Applicable | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0712 - Network And Mission Plan	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Network and Mission Plan
Models of Systems Affected: AH-64D/F, CH-47D/F, OH-58D/F, UH-60A/L/M/Q, HH-60L/M, UAS	**Type Modification:** Rationalization, Standardization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

Manufacturer Information: Degraded Visual Environments

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Degraded Visual Environments	Method of Implementation: TBD	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0712 - Network And Mission Plan	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Network and Mission Plan
Models of Systems Affected: AH-64D/F, CH-47D/F, OH-58D/F, UH-60A/L/M/Q, HH-60L/M, UAS	**Type Modification:** Rationalization, Standardization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

Manufacturer Information: Aviation Logistics Enterprise-Platform (ALE-P)

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Aviation Logistics Enterprise-Platform (ALE-P) | **Method of Implementation:** Not Applicable | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0723 - Comms, Nav Surveillance
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**
MDAP/MAIS Code(s):	**Other Related Program Elements:** 0604201A

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	56	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost *($ in Millions)*	-	117.855	133.191	92.779	-	92.779	166.082	155.377	96.003	110.888	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	117.855	133.191	92.779	-	92.779	166.082	155.377	96.003	110.888	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**117.855**	**133.191**	**92.779**	**-**	**92.779**	**166.082**	**155.377**	**96.003**	**110.888**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	2,378.411	-	-	-	-	-	-	-	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The current Navigation Systems provide Army Aviation with extremely accurate and secure navigation and timing, assists in situational awareness, and aids in prevention of fratricide. The Global Positioning System (GPS) is installed in two configurations based upon mission profile, operational requirements, and avionics architecture of the aircraft. The Doppler GPS Navigation System (DGNS) is used for the Non-bussed Utility and Cargo helicopters. The Embedded GPS Inertial Navigation System (EGI) is integrated into the Modernized Cargo, Utility, Attack, Kiowa Warrior, and Special Operations fleets of helicopters. The Preplanned Product Improvement (P3I) DGNS is being installed on the Blackhawk (UH-60A/L and HH-60A/L) and Chinook (CH-47D) aircraft. The P3I EGI is being installed on UH/HH-60M, CH-47F, Longbow Apache Block III (AH-64D), Kiowa Warrior (OH-58F) and Special Operations Aircraft (SOA). GPS based navigation systems are required as the primary means of navigation in civil airspace. The modification program to the DGNS Computer Display Unit (CDU) and software upgrade is being conducted to reduce pilot workload and fatigue through a user friendly interface as well as provide maps and charts to augment tactical and Instrument Flight Rules navigational operations.

The Aviation Tactical Communication Systems (ATCS) is an Army Aviation Program to procure Alternative Communications (Alt Comms) A and B Kits to meet minimum acceptable near term communication requirements due to delays in the Joint Tactical Radio System (JTRS) program. Alt Comms B-Kits include the ARC-201D and the ARC-231 radio sets along with associated power amplifiers and mounts. A-Kit hardware and software is planned to be procured through the prime contractor for each platform.

The JTRS program integrates, installs and qualifies JTRS hardware and software for production and fielded Army Aviation Aircraft, SOA, and Unmanned Aircraft Systems (UAS) platforms to enable the operation of JTRS certified radios with SINCGARS, Soldier Radio Waveform, and mid-tier wideband networking waveforms, such as the Wideband Networking Waveform or other advanced networking waveforms. This program also provides for the procurement and installation of radio retrofit A-Kits for use on platforms that were fielded without these capabilities. JTRS radios and ancillaries are procured by the Joint Program Executive Office for JTRS and are not part of the JTRS integration effort.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0723 - Comms, Nav Surveillance
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**
Other Related Program Elements: 0604201A	
MDAP/MAIS Code(s):	

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	117.855	125.893	92.779	-	92.779	166.082	155.377	96.003	110.888
ANG	Quantity	-	56	-	-	-	-	-	-	-
	Total Obligation Authority	-	7.298	-	-	-	-	-	-	-

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0000 - Communications, Navigation, and Surveillance	P3A		-	-	-	-	-	117.855	-	-	133.191	-	-	92.779	-	-	-	-	-	92.779
Total Gross/Weapon System Cost					**-**			**117.855**			**133.191**			**92.779**			**-**			**92.779**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0000 - Communications, Navigation, and Surveillance	P3A		-	-	166.082	-	-	155.377	-	-	96.003	-	-	110.888	Continuing			Continuing		
Total Gross/Weapon System Cost					**166.082**			**155.377**			**96.003**			**110.888**	**Continuing**			**Continuing**		

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY 2014 Base Procurement dollars in the amount of $6.931 million supports systems engineering and aircraft integration support for the DGNS CDU/Software Upgrade ECPs.

FY 2014 Base Procurement dollars in the amount of $70.610 million supports procurement of Alt Comms A-Kits and B-Kits for the AH-64D, CH-47F, UH/HH-60M, LUH, UAS and SOA. An Alt Comms suite of aviation radios comprises a standard configuration of non-developmental and commercial off-the-shelf equipment. The standard configuration consists of two ARC-201D radios, an Improved Frequency Modulation (IFM) Power Amplifier (two IFMs for CH-47F), and a suite of ARC-231 radios and associated ancillary items.

FY 2014 Base Procurement dollars in the amount of $15.238 million provides for integration and qualification of JTRS certified radios with UH-60M, CH-47F, SOA (MH-47G, MH-60M and MH-6) to support hardware and software and initial interface definition with on-board systems. This effort also procures 80 JTRS installation kits for Shadow UAS platforms and platform engineering services.

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

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0723 - Comms, Nav Surveillance	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Communications, Navigation, and Surveillance

Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, OH-58D/F, AH-64D, LUH, UAS	Type Modification: New or Improved Operational Capability	Related RDT&E PEs:

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	-	117.855	133.191	92.779	-	92.779	166.082	155.377	96.003	110.888	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	117.855	133.191	92.779	-	92.779	166.082	155.377	96.003	110.888	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**117.855**	**133.191**	**92.779**	**-**	**92.779**	**166.082**	**155.377**	**96.003**	**110.888**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	2,378.411	-	-	-	-	-	-	-	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The current Navigation Systems provide Army Aviation with extremely accurate and secure navigation and timing, assists in situational awareness, and aids in prevention of fratricide. The Global Positioning System (GPS) is installed in two configurations based upon mission profile, operational requirements, and avionics architecture of the aircraft. The Doppler GPS Navigation System (DGNS) is used for the Non-bussed Utility and Cargo helicopters. The Embedded GPS Inertial Navigation System (EGI) is integrated into the Modernized Cargo, Utility, Attack, Kiowa Warrior, and Special Operations Aircraft (SOA) of helicopters. The Preplanned Product Improvement (P3I) DGNS is being installed on the Blackhawk (UH-60A/L and HH-60A/L) and Chinook (CH-47D) aircraft. The P3I EGI is being installed on UH/HH-60M, CH-47F, Longbow Apache Block III (AH-64D), Kiowa Warrior (OH-58F) and SOA. GPS based navigation systems are required as the primary means of navigation in civil airspace. The modification program to the DGNS Computer Display Unit (CDU) and software upgrade is being conducted to reduce pilot workload and fatigue through a user friendly interface as well as provide maps and charts to augment tactical and Instrument Flight Rules navigational operations.

The Aviation Tactical Communication Systems (ATCS) is an Army Aviation Program to procure Alternative Communications (Alt Comms) A and B Kits to meet minimum acceptable near term communication requirements due to delays in the Joint Tactical Radio System (JTRS) program. Alt Comms B-Kits include the ARC-201D and the ARC-231 radio sets along with associated power amplifiers and mounts. A-Kit hardware and software is planned to be procured through the prime contractor for each platform.

The JTRS program integrates, installs and qualifies JTRS hardware and software for production and fielded Army Aviation Aircraft, SOA, and Unmanned Aircraft Systems (UAS) platforms to enable the operation of JTRS certified radios with SINCGARS, Soldier Radio Waveform, and mid-tier wideband networking waveforms, such as the Wideband Networking Waveform or other advanced networking waveforms. This program also provides for the procurement and installation of radio retrofit A-Kits for use on platforms that were fielded without these capabilities. JTRS radios and ancillaries are procured by Joint Program Executive Office for JTRS and are not part of this JTRS integration effort.

FY 2014 Base Procurement dollars in the amount of $6.931 million supports systems engineering and aircraft integration support for the DGNS CDU/Software ECP.

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0723 - Comms, Nav Surveillance	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Communications, Navigation, and Surveillance

Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, OH-58D/F, AH-64D, LUH, UAS	Type Modification: New or Improved Operational Capability	Related RDT&E PEs:

FY 2014 Base Procurement dollars in the amount of $70.610 million supports procurement of Alt Comms A-Kits and B-Kits for the AH-64D, CH-47F, UH/HH-60M, LUH, UAS, and SOA. An Alt Comms suite of aviation radios comprises a standard configuration of non-developmental and commercial off-the-shelf equipment. The standard configuration consists of two ARC-201D radios, an Improved Frequency Modulation (IFM) Power Amplifier (two IFMs for CH-47F), and a suite of ARC-231 radios and associated ancillary items.

FY 2014 Base Procurement dollars in the amount of $15.238 million provides for integration and qualification of JTRS certified radios with UH-60M, CH47F, SOA (MH-47G, MH-60M and MH-6) to support hardware and software integration and initial interface definition with on-board systems on aviation platforms. This effort also procures 80 JTRS installation kits for Shadow UAS platforms and platform engineering services.

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

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0723 - Comms, Nav Surveillance	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Communications, Navigation, and Surveillance
Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, OH-58D/F, AH-64D, LUH, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Procurement												
DGNS (AN/ASN-128D) P3I												
A Kits												
Recurring												
Engineering Change Orders	0 / 0.000	- / 2.800	- / 3.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.000
Data	0 / 0.000	- / 0.500	- / 1.212	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.712
Training Equipment	0 / 0.000	- / 3.400	- / 3.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.800
Systems Engineering	0 / 0.000	- / 5.700	- / 6.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.700
Other - PM Admin	0 / 0.000	- / 0.800	- / 0.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.500
Subtotal Recurring	*0 / 0.000*	*- / 13.200*	*- / 14.512*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 27.712*
Total, DGNS (AN/ASN-128D) P3I	*0 / 0.000*	*- / 13.200*	*- / 14.512*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 27.712*
DGNS (AN/ASN-128D) CDU/Software Upgrade ECP												
A Kits												
Recurring												
Data	0 / 0.000	- / -	- / -	- / 0.387	- / -	- / 0.387	- / 0.600	- / -	- / -	- / -	- / -	- / 0.987
Systems Engineering	0 / 0.000	- / -	- / -	- / 1.680	- / -	- / 1.680	- / 1.494	- / 0.521	- / 0.560	- / 0.560	- / -	- / 4.815
Other - PM Admin	0 / 0.000	- / -	- / -	- / 0.570	- / -	- / 0.570	- / 0.500	- / 0.500	- / 0.530	- / 0.470	- / -	- / 2.570
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / 2.637*	*- / -*	*- / 2.637*	*- / 2.594*	*- / 1.021*	*- / 1.090*	*- / 1.030*	*- / -*	*- / 8.372*
Non-Recurring												
Aircft Integ-Nonrecurring	0 / 0.000	- / -	- / -	- / 3.838	- / -	- / 3.838	- / 1.540	- / -	- / -	- / -	- / -	- / 5.378
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / 3.838*	*- / -*	*- / 3.838*	*- / 1.540*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 5.378*
B Kits												
Recurring												
Kit Quantity - B-Kit	0 / 0.000	- / -	- / -	12 / 0.456	- / -	12 / 0.456	40 / 1.640	120 / 5.390	70 / 2.510	80 / 3.070	320 / -	642 / 13.066
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*12 / 0.456*	*- / -*	*12 / 0.456*	*40 / 1.640*	*120 / 5.390*	*70 / 2.510*	*80 / 3.070*	*320 / -*	*642 / 13.066*
Total, DGNS (AN/ASN-128D) CDU/Software Upgrade ECP	*0 / 0.000*	*- / -*	*- / -*	*12 / 6.931*	*- / -*	*12 / 6.931*	*40 / 5.774*	*120 / 6.411*	*70 / 3.600*	*80 / 4.100*	*320 / -*	*642 / 26.816*
Embedded GPS Inertial Navigation System (EGI) P3I												
A Kits												

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0723 - Comms, Nav Surveillance	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Communications, Navigation, and Surveillance
Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, OH-58D/F, AH-64D, LUH, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Recurring												
Engineering Change Orders	0 / 0.000	- / 0.800	- / 0.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.500
Data	0 / 0.000	- / 0.101	- / 0.101	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.202
Training Equipment	0 / 0.000	- / 0.100	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200
Systems Engineering	0 / 0.000	- / 1.400	- / 1.500	- / -	- / -	- / -	- / -	- / 0.500	- / 0.530	- / 0.560	- / -	- / 4.490
Other - PM Admin	0 / 0.000	- / 1.000	- / 1.000	- / -	- / -	- / -	- / -	- / 0.500	- / 0.530	- / 0.560	- / -	- / 3.590
Subtotal Recurring	*0 / 0.000*	*- / 3.401*	*- / 3.401*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.000*	*- / 1.060*	*- / 1.120*	*- / -*	*- / 9.982*
Non-Recurring												
Aircraft Integration	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.500	- / 1.500	- / -	- / 3.000
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.500*	*- / 1.500*	*- / -*	*- / 3.000*
B Kits												
Recurring												
Kit Quantity - B-Kit	0 / 0.000	5 / 0.400	15 / 1.600	- / -	- / -	- / -	- / -	66 / 6.199	63 / 5.888	73 / 6.739	67 / -	289 / 20.826
Subtotal Recurring	*0 / 0.000*	*5 / 0.400*	*15 / 1.600*	*- / -*	*- / -*	*- / -*	*- / -*	*66 / 6.199*	*63 / 5.888*	*73 / 6.739*	*67 / -*	*289 / 20.826*
Total, Embedded GPS Inertial Navigation System (EGI) P3I	*0 / 0.000*	*5 / 3.801*	*15 / 5.001*	*- / -*	*- / -*	*- / -*	*- / -*	*66 / 7.199*	*63 / 8.448*	*73 / 9.359*	*67 / -*	*289 / 33.808*
Aviation Tactical Communication Systems (ATCS)												
A Kits												
Recurring												
Kit Quantity-A-Kit	0 / 0.000	78 / 3.300	41 / 6.300	107 / 4.281	- / -	107 / 4.281	48 / 2.448	- / -	- / -	- / -	- / -	274 / 16.329
Systems Engineering	0 / 0.000	- / 3.300	- / 3.400	- / 3.500	- / -	- / 3.500	- / 3.294	- / 2.299	- / 1.150	- / 3.750	- / -	- / 20.693
System Test & Evaluation	0 / 0.000	- / 2.000	- / 2.000	- / 2.200	- / -	- / 2.200	- / 4.584	- / 4.649	- / 2.046	- / 6.323	- / -	- / 23.802
Fielding/Training	0 / 0.000	- / 4.100	- / 4.900	- / 4.300	- / -	- / 4.300	- / 3.520	- / 3.584	- / 2.400	- / 4.050	- / -	- / 26.854
Other - PM Admin SEPM	0 / 0.000	- / 3.500	- / 3.600	- / 5.724	- / -	- / 5.724	- / 6.697	- / 2.803	- / 2.179	- / 3.543	- / -	- / 28.046
Subtotal Recurring	*0 / 0.000*	*78 / 16.200*	*41 / 20.200*	*107 / 20.005*	*- / -*	*107 / 20.005*	*48 / 20.543*	*- / 13.335*	*- / 7.775*	*- / 17.666*	*- / -*	*274 / 115.724*
Non-Recurring												
ECPs - Nonrecurring	0 / 0.000	- / 21.000	- / 21.000	- / 7.595	- / -	- / 7.595	- / 13.500	- / -	- / -	- / -	- / -	- / 63.095
Subtotal Non-Recurring	*0 / 0.000*	*- / 21.000*	*- / 21.000*	*- / 7.595*	*- / -*	*- / 7.595*	*- / 13.500*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 63.095*
B Kits												

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0723 - Comms, Nav Surveillance	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Communications, Navigation, and Surveillance
Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, OH-58D/F, AH-64D, LUH, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Recurring												
Kit Quantity-B-Kit (ARC-231)	0 / 0.000	383 / 34.700	190 / 17.000	231 / 27.357	- / -	231 / 27.357	275 / 34.591	280 / 34.445	269 / 31.329	200 / 26.650	- / -	1,828 / 206.072
Kit Quantity-B-Kit (ARC201D)	0 / 0.000	252 / 7.800	98 / 3.100	103 / 7.055	- / -	103 / 7.055	236 / 8.228	132 / 4.685	62 / 4.480	36 / 2.648	- / -	919 / 37.996
Kit Quantity-B-Kit (IFM)	0 / 0.000	252 / 4.800	98 / 1.900	103 / 2.298	- / -	103 / 2.298	236 / 4.755	132 / 2.707	- / -	36 / 0.765	- / -	857 / 17.225
Subtotal Recurring	*0 / 0.000*	*887 / 47.300*	*386 / 22.000*	*437 / 36.710*	*- / -*	*437 / 36.710*	*747 / 47.574*	*544 / 41.837*	*331 / 35.809*	*272 / 30.063*	*- / -*	*3,604 / 261.293*
Total, Aviation Tactical Communication Systems (ATCS)	*0 / 0.000*	*965 / 84.500*	*427 / 63.200*	*544 / 64.310*	*- / -*	*544 / 64.310*	*795 / 81.617*	*544 / 55.172*	*331 / 43.584*	*272 / 47.729*	*- / -*	*3,878 / 440.112*
Joint Tactical Radio Systems (JTRS)												
A Kits												
Recurring												
Kit Quantity - A-Kit	0 / 0.000	- / -	- / -	80 / 5.300	- / -	80 / 5.300	40 / 2.697	247 / 8.997	426 / 13.826	430 / 14.350	642 / -	1,865 / 45.170
Engineering Change Orders	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.000	- / 10.444	- / 8.400	- / -	- / 23.844
Support Equipment	0 / 0.000	- / -	- / -	- / 0.415	- / -	- / 0.415	- / 2.437	- / 3.435	- / 3.508	- / 3.582	- / -	- / 13.377
System Test and Evaluation	0 / 0.000	- / 2.000	- / 2.000	- / 2.387	- / -	- / 2.387	- / 4.000	- / 13.282	- / 3.005	- / 2.325	- / -	- / 28.999
System Eng/Prog Mgmt (SEPM)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 2.505	- / 2.629	- / 2.760	- / 2.897	- / -	- / 10.791
Subtotal Recurring	*0 / 0.000*	*- / 2.000*	*- / 2.000*	*80 / 8.102*	*- / -*	*80 / 8.102*	*40 / 11.639*	*247 / 33.343*	*426 / 33.543*	*430 / 31.554*	*642 / -*	*1,865 / 122.181*
Non-Recurring												
NRE Aircraft Integration	0 / 0.000	- / 13.300	- / 44.750	- / 7.136	- / -	- / 7.136	- / 62.546	- / 50.481	- / 1.000	- / 7.000	- / -	- / 186.213
Subtotal Non-Recurring	*0 / 0.000*	*- / 13.300*	*- / 44.750*	*- / 7.136*	*- / -*	*- / 7.136*	*- / 62.546*	*- / 50.481*	*- / 1.000*	*- / 7.000*	*- / -*	*- / 186.213*
Total, Joint Tactical Radio Systems (JTRS)	*0 / 0.000*	*- / 15.300*	*- / 46.750*	*80 / 15.238*	*- / -*	*80 / 15.238*	*40 / 74.185*	*247 / 83.824*	*426 / 34.543*	*430 / 38.554*	*642 / -*	*1,865 / 308.394*
Total Procurement, All Modifications	*0 / 0.000*	*970 / 116.801*	*442 / 129.463*	*636 / 86.479*	*- / -*	*636 / 86.479*	*875 / 161.576*	*977 / 152.606*	*890 / 90.175*	*855 / 99.742*	*1,029 / -*	*6,674 / 836.842*
Total Procurement and Support	*0.000*	*116.801*	*129.463*	*86.479*	*-*	*86.479*	*161.576*	*152.606*	*90.175*	*99.742*	*-*	*836.842*
DGNS (AN/ASN-128D) P3I Installation Cost	0 / 0.000	46 / 0.295	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 0.295
DGNS (AN/ASN-128D) CDU/Software Upgrade ECP Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	9 / 0.027	33 / 0.099	100 / 0.300	100 / 0.300	400 / -	642 / 0.726
Embedded GPS Inertial Navigation System (EGI) P3I Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Aviation Tactical Communication Systems (ATCS) Installation Cost	0 / 0.000	19 / 0.759	93 / 3.728	41 / 6.300	- / -	41 / 6.300	107 / 4.133	48 / 2.496	- / -	- / -	- / -	308 / 17.416
Joint Tactical Radio Systems (JTRS) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	80 / 0.346	40 / 0.176	247 / 5.528	426 / 10.846	1,072 / -	1,865 / 16.896

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0723 - Comms, Nav Surveillance	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Communications, Navigation, and Surveillance
Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, OH-58D/F, AH-64D, LUH, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Total Installation Cost	*0 / 0.000*	*65 / 1.054*	*93 / 3.728*	*41 / 6.300*	*- / -*	*41 / 6.300*	*196 / 4.506*	*121 / 2.771*	*347 / 5.828*	*526 / 11.146*	*1,472 / -*	*2,861 / 35.333*
Total Cost (Procurement + Support + Installation)	**0.000**	**117.855**	**133.191**	**92.779**	**-**	**92.779**	**166.082**	**155.377**	**96.003**	**110.888**	**-**	**872.175**

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0723 - Comms, Nav Surveillance	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Communications, Navigation, and Surveillance

Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, OH-58D/F, AH-64D, LUH, UAS	Type Modification: New or Improved Operational Capability	Related RDT&E PEs:

Manufacturer Information: DGNS (AN/ASN-128D) P3I

Manufacturer Name: BAE International Incorporated	Manufacturer Location: Wayne, NJ
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: DGNS (AN/ASN-128D) P3I | **Method of Implementation:** Modification Work Order (MWO) - Contractor | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	46 / 0.295	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	46 / 0.295
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	46 / 0.295	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 0.295

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	12	12	12	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46
Out	-	-	12	12	12	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0723 - Comms, Nav Surveillance	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Communications, Navigation, and Surveillance

Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, OH-58D/F, AH-64D, LUH, UAS	Type Modification: New or Improved Operational Capability	Related RDT&E PEs:

Manufacturer Information: DGNS (AN/ASN-128D) CDU/Software Upgrade ECP

Manufacturer Name: BAE International Incorporated	Manufacturer Location: Wayne, NJ
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 12

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates			Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017
Delivery Dates			Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018

Installation: DGNS (AN/ASN-128D) CDU/Software Upgrade ECP

Method of Implementation: Modification Work Order (MWO) - Contractor

Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	9 / 0.027	3 / 0.009	- / -	- / -	- / -	12 / 0.036
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	30 / 0.090	10 / 0.030	- / -	- / -	40 / 0.120
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	90 / 0.270	30 / 0.090	- / -	120 / 0.360
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 0.210	- / -	70 / 0.210
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / -	80 / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	320 / -	320 / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	9 / 0.027	33 / 0.099	100 / 0.300	100 / 0.300	400 / -	642 / 0.726

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	10	10	10	10	30	30	30	30	30	30	10	400	642
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	10	10	10	10	30	30	30	30	30	30	410	642

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0723 - Comms, Nav Surveillance	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Communications, Navigation, and Surveillance

Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, OH-58D/F, AH-64D, LUH, UAS	Type Modification: New or Improved Operational Capability	Related RDT&E PEs:

Manufacturer Information: Embedded GPS Inertial Navigation System (EGI) P3I

Manufacturer Name: Honeywell, Incorporated	Manufacturer Location: Clearwater, FL
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 12

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Dec 2011	Dec 2012			Dec 2015	Dec 2016	Dec 2017
Delivery Dates	Nov 2012	Nov 2013			Nov 2016	Nov 2017	Nov 2018

Installation: Embedded GPS Inertial Navigation System (EGI) P3I | **Method of Implementation:** Aircraft Platform Funded Installation | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0723 - Comms, Nav Surveillance	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Communications, Navigation, and Surveillance
Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, OH-58D/F, AH-64D, LUH, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Manufacturer Information: Aviation Tactical Communication Systems (ATCS)

Manufacturer Name: Various	Manufacturer Location: Various
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 10

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Dec 2011	Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017
Delivery Dates	Sep 2012	Sep 2013	Sep 2014	Sep 2015	Sep 2016	Sep 2017	Sep 2018

Installation: Aviation Tactical Communication Systems (ATCS) | **Method of Implementation:** Modification Work Order (MWO) - Contractor | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	19 / 0.759	15 / 0.628	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	34 / 1.387
FY 2012	0 / 0.000	- / -	78 / 3.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	78 / 3.100
FY 2013	0 / 0.000	- / -	- / -	41 / 6.300	- / -	41 / 6.300	- / -	- / -	- / -	- / -	- / -	41 / 6.300
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	107 / 4.133	- / -	- / -	- / -	- / -	107 / 4.133
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	48 / 2.496	- / -	- / -	- / -	48 / 2.496
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	19 / 0.759	93 / 3.728	41 / 6.300	- / -	41 / 6.300	107 / 4.133	48 / 2.496	- / -	- / -	- / -	308 / 17.416

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	19	35	20	20	18	11	10	10	10	19	38	24	26	12	12	12	12	-	-	-	-	-	-	-	-	-	308
Out	-	-	-	-	-	19	35	20	20	18	11	10	10	10	19	38	24	26	12	12	12	12	-	-	-	-	-	-	-	-	308

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0723 - Comms, Nav Surveillance	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - Communications, Navigation, and Surveillance

Models of Systems Affected: UH/HH-60A/L, UH/HH/MH-60M, CH-47D, CH/MH-47F, OH-58D/F, AH-64D, LUH, UAS	Type Modification: New or Improved Operational Capability	Related RDT&E PEs:

Manufacturer Information: Joint Tactical Radio Systems (JTRS)

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 10

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates			Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017
Delivery Dates			Sep 2014	Sep 2015	Sep 2016	Sep 2017	Sep 2018

Installation: Joint Tactical Radio Systems (JTRS)	Method of Implementation: Modification Work Order (MWO) - Contractor	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	80 / 0.346	- / -	- / -	- / -	- / -	80 / 0.346
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.176	- / -	- / -	- / -	40 / 0.176
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	247 / 5.528	- / -	- / -	247 / 5.528
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	426 / 10.846	- / -	426 / 10.846
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	430 / -	430 / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	642 / -	642 / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	80 / 0.346	40 / 0.176	247 / 5.528	426 / 10.846	1,072 / -	1,865 / 16.896

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20	20	20	10	10	10	10	62	62	62	61	107	107	106	106	1,072	1,865
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20	20	20	10	10	10	10	62	62	62	61	107	107	106	1,178	1,865

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup

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

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	586.660	69.220	87.280	65.613	-	65.613	59.010	61.847	65.793	71.773	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	586.660	69.220	87.280	65.613	-	65.613	59.010	61.847	65.793	71.773	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**586.660**	**69.220**	**87.280**	**65.613**	**-**	**65.613**	**59.010**	**61.847**	**65.793**	**71.773**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

This budget line supports procurement of Global Air Traffic Management equipment for both Fixed Wing (FW) and Rotary Wing (RW) aircraft.

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

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	62.009	81.176	65.613	-	65.613	59.010	61.847	62.424	68.344
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	4.327	3.391	-	-	-	-	-	-	-
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.884	2.713	-	-	-	-	-	3.369	3.429

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup

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

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0000 - GATM - Fixed Wing Aircraft	P3A		-	-	160.972	-	-	14.396	-	-	17.179	-	-	12.072	-	-	-	-	-	12.072
0000 - GATM Rotary Wing Aircraft	P3A		-	-	425.688	-	-	54.824	-	-	70.101	-	-	53.541	-	-	-	-	-	53.541
Total Gross/Weapon System Cost					**586.660**			**69.220**			**87.280**			**65.613**			**-**			**65.613**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0000 - GATM - Fixed Wing Aircraft	P3A		-	-	12.569	-	-	15.063	-	-	19.065	-	-	15.645	Continuing			Continuing		
0000 - GATM Rotary Wing Aircraft	P3A		-	-	46.441	-	-	46.784	-	-	46.728	-	-	56.128	Continuing			Continuing		
Total Gross/Weapon System Cost					**59.010**			**61.847**			**65.793**			**71.773**	**Continuing**			**Continuing**		

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM - Fixed Wing Aircraft
Models of Systems Affected: All series of Army fixed wing aircraft	**Type Modification:** Rationalization, Standarization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	160.972	14.396	17.179	12.072	-	12.072	12.569	15.063	19.065	15.645	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	160.972	14.396	17.179	12.072	-	12.072	12.569	15.063	19.065	15.645	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**160.972**	**14.396**	**17.179**	**12.072**	**-**	**12.072**	**12.569**	**15.063**	**19.065**	**15.645**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

Global Air Traffic Management (GATM) is the military equivalent of the International Civil Aviation architecture known as Communications, Navigation Surveillance and Air Traffic Management (CNS/ATM) programs. Current ground based navigation aids will be phased out of service as the world transitions to digital, data (non-voice), and space based navigation systems. Military aircraft will face some level (altitude and location dependent) of flight restrictions if not GATM equipped. GATM requirements cannot be met with a single piece of avionics equipment. Meeting worldwide GATM requirements will entail the upgrading of some existing avionics and displays and the procurement of new systems for the fixed wing fleet.

FY14 Base procurement dollars in the amount of $12.072 million supports GATM equipment for Fixed Wing aircraft. Fixed Wing aircraft were purchased with avionics available at the time of production. However, for the Army's Fixed Wing aircraft to remain current and have unrestricted access to the rapidly changing Air Traffic Management airspace, new communication, navigation and surveillance equipment will be needed to meet GATM requirements. Unless equipped, the Army's senior leadership will be limited in conducting their worldwide command and control missions because of potential airspace exclusion or routing delays. In addition, new communication and navigation systems will increase reliability and maintainability by employing commercial systems thereby improving aircraft availability for mission requirements.

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM - Fixed Wing Aircraft
Models of Systems Affected: All series of Army fixed wing aircraft	**Type Modification:** Rationalization, Standarization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Procurement												
Global Air Traffic Management - FW												
A Kits												
Recurring												
Installation Kits	185 / 112.480	34 / 9.977	9 / 11.925	1 / 8.350	- / -	1 / 8.350	4 / 8.698	4 / 10.444	5 / 13.245	7 / 10.851	- / -	249 / 185.970
Data	0 / 0.200	- / 0.100	- / 0.100	- / 0.100	- / -	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / -	- / 0.900
Subtotal Recurring	*185 / 112.680*	*34 / 10.077*	*9 / 12.025*	*1 / 8.450*	*- / -*	*1 / 8.450*	*4 / 8.798*	*4 / 10.544*	*5 / 13.345*	*7 / 10.951*	*- / -*	*249 / 186.870*
Total, Global Air Traffic Management - FW	*185 / 112.680*	*34 / 10.077*	*9 / 12.025*	*1 / 8.450*	*- / -*	*1 / 8.450*	*4 / 8.798*	*4 / 10.544*	*5 / 13.345*	*7 / 10.951*	*- / -*	*249 / 186.870*
Total Procurement, All Modifications	*185 / 112.680*	*34 / 10.077*	*9 / 12.025*	*1 / 8.450*	*- / -*	*1 / 8.450*	*4 / 8.798*	*4 / 10.544*	*5 / 13.345*	*7 / 10.951*	*- / -*	*249 / 186.870*
Total Procurement and Support	*112.680*	*10.077*	*12.025*	*8.450*	*-*	*8.450*	*8.798*	*10.544*	*13.345*	*10.951*	*-*	*186.870*
Global Air Traffic Management - FW Installation Cost	185 / 48.292	34 / 4.319	9 / 5.154	1 / 3.622	- / -	1 / 3.622	4 / 3.771	4 / 4.519	5 / 5.720	7 / 4.694	- / -	249 / 80.091
Total Installation Cost	*185 / 48.292*	*34 / 4.319*	*9 / 5.154*	*1 / 3.622*	*- / -*	*1 / 3.622*	*4 / 3.771*	*4 / 4.519*	*5 / 5.720*	*7 / 4.694*	*- / -*	*249 / 80.091*
Total Cost (Procurement + Support + Installation)	**160.972**	**14.396**	**17.179**	**12.072**	**-**	**12.072**	**12.569**	**15.063**	**19.065**	**15.645**	**-**	**266.961**

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM - Fixed Wing Aircraft
Models of Systems Affected: All series of Army fixed wing aircraft	**Type Modification:** Rationalization, Standarization, Interoperability, Compatibility, Simplification	**Related RDT&E PEs:**

Manufacturer Information: Global Air Traffic Management - FW

Manufacturer Name: Multiple Commercial Lenders	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 6

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Dec 2011	Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017
Delivery Dates	May 2012	May 2013	May 2014	May 2015	May 2016	May 2017	May 2018

Installation: Global Air Traffic Management - FW | **Method of Implementation:** Contractor | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	185 / 48.292	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	185 / 48.292
FY 2012	0 / 0.000	34 / 4.319	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 4.319
FY 2013	0 / 0.000	- / -	9 / 5.154	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 5.154
FY 2014	0 / 0.000	- / -	- / -	1 / 3.622	- / -	1 / 3.622	- / -	- / -	- / -	- / -	- / -	1 / 3.622
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	4 / 3.771	- / -	- / -	- / -	- / -	4 / 3.771
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	4 / 4.519	- / -	- / -	- / -	4 / 4.519
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 5.720	- / -	- / -	5 / 5.720
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 4.694	- / -	7 / 4.694
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	185 / 48.292	34 / 4.319	9 / 5.154	1 / 3.622	- / -	1 / 3.622	4 / 3.771	4 / 4.519	5 / 5.720	7 / 4.694	- / -	249 / 80.091

Installation Schedule

		FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018					
	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	TC	Tot
In	185	8	8	9	9	5	2	1	1	-	-	1	-	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	-	249
Out	178	7	8	8	9	9	5	2	1	1	-	-	1	-	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	249

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM Rotary Wing Aircraft

Models of Systems Affected: UH&HH60A&L, CH47D&F, UH60M, MH47D/G/E/F, MH60L/K/M, AH6,MH6, AH64A&D, OH58D&F, UAS	Type Modification: New or Improved Operational Capability	Related RDT&E PEs:

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	425.688	54.824	70.101	53.541	-	53.541	46.441	46.784	46.728	56.128	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	425.688	54.824	70.101	53.541	-	53.541	46.441	46.784	46.728	56.128	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**425.688**	**54.824**	**70.101**	**53.541**	**-**	**53.541**	**46.441**	**46.784**	**46.728**	**56.128**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

Global Air Traffic Management (GATM) is the military equivalent of the International Civil Aviation architecture known as Communications, Navigation, Surveillance and Air Traffic Management programs. GATM is a Department of Defense (DoD) term that describes the equipment, training, and procedures mandated by Civilian Air Traffic Control (ATC) authorities in order to operate within 21st century airspace. Most ground based navigation aids will be phased out of service as the world transitions to a modernized air traffic management system. The modernization is designed to meet the current and future service demands posed by aviation growth. The advanced architecture will provide improved safety, accessibility, flexibility, predictability, reliability, capacity, efficiency, and security. Military aircraft will face significant flight restrictions if not GATM equipped. GATM requirements are driven by civil aviation authorities and are not under DoD control. Meeting worldwide GATM requirements will entail the upgrading of some existing avionics and the procurement of new systems for rotary wing and Unmanned Aircraft System (UAS) fleets. Included in the GATM Program is the European mandated Mode S requirement which is being met with the fielding of the APX-118, an upgrade to the Identification Friend or Foe (IFF) to add Mode 5 capability which will be achieved through the fielding of the APX-123, worldwide mandated Automatic Dependant Surveillance-Broadcast (ADS-B) Out, which will be a Preplanned Product Improvement (P3I) to the APX-123, and upgrades to meet requirements for 8.33 kHz channel spacing being met with the ARC-231. ADS-B Out is an upgrade of the Mode S self-reporting format. The modification programs to the Doppler Global Positioning System (GPS) Navigation System (DGNS) and the Embedded GPS Inertial (EGI) Navigation System are being conducted to provide a GPS Primary Means Instrument Flight Rules navigation (en-route through non-precision approach) in civil and military controlled airspace, and navigational requirements for ADS-B Out.

GATM provides Army aircraft improved capabilities to allow them to continue to operate in civil controlled airspace without threat of exclusion. Mode 5 provides enhanced security and greatly improved performance over Mode 4. It also improves compatibility with civil ATC by providing less interference. The Full Operational Capability for Mode 5 is 2020. Europe currently mandates Mode S and plans expansion of 8.33 kHz Very High Frequency - Amplitude Modulation (VHF-AM) in controlled airspace to ground level in high volume traffic areas. The Federal Aviation Administration (FAA) has mandated the use of ADS-B Out by 2020. Army aircraft will not be allowed to transit through or operate in European airspace affected by these mandates unless the necessary Mode S upgrades are made. The Mode S transponder impacts European based aircraft as well as those deploying to Europe. ADS-B Out will also impact access in worldwide airspace. The recurring procurement of Mode S kits started in FY02 and procurement and installations continue. Benefits of GATM include direct routing through civil airspace resulting in significant savings in both time and money. It allows unrestricted operations in worldwide civil controlled airspace and improves safety and operational efficiency while meeting the new worldwide frequency spectrum requirements.

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM Rotary Wing Aircraft

Models of Systems Affected: UH&HH60A&L, CH47D&F, UH60M, MH47D/G/E/F, MH60L/K/M, AH6,MH6, AH64A&D, OH58D&F, UAS	Type Modification: New or Improved Operational Capability	Related RDT&E PEs:

FY 2014 Base Procurement dollars in the amount of $7.141 million supports procurement of APX-123 B-Kits and procurement and installation of APX-123 A-Kits for the AH-64D, CH-47D/F, UH-60A/L/M, OH-58D, MH-60L/K/M, MH-47D/E/G, A/MH-6 and UAS to provide these aircraft with enhanced IFF Mode 5 capabilities.

FY 2014 Base Procurement dollars in the amount of $9.500 million supports procurement and installation of Mode 5 upgrade kits which convert previously fielded APX-118 transponders to APX-123 transponders.

FY 2014 Base Procurement dollars in the amount of $25.745 million supports the associated Non-Recurring Engineering (NRE) integration which will facilitate an enhanced GPS in support of ADS-B Out for mandated ATC services for the applicable aviation platforms.

FY 2014 Base Procurement dollars in the amount of $2.138 million supports installation of ARC-231 A and B Kits on the UH-60 A/L platform.

FY 2014 Base Procurement dollars in the amount of $9.017 million supports modification of EGI to meet GATM requirements.

All COMPO 1 Active

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

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM Rotary Wing Aircraft
Models of Systems Affected: UH&HH60A&L, CH47D&F, UH60M, MH47D/G/E/F, MH60L/K/M, AH6,MH6, AH64A&D, OH58D&F, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Procurement												
Global Air Traffic Mgmt RW APX-118												
A Kits												
Recurring												
Kit Qty- APX-118 A-Kits	2,048 / 9.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,048 / 9.200
Aircraft Integration	0 / 5.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.900
Engineering Change Orders	0 / 7.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.200
Data	0 / 4.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.800
Training Equipment	0 / 3.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.400
Fielding	0 / 5.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.300
Systems Engr/Prog Mgt(SEPM)	0 / 13.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.500
System Test & Eval (ST&E)	0 / 3.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.500
Other- PM Admin	0 / 14.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.500
Other	0 / 5.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.600
Subtotal Recurring	*2,048 / 72.900*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*2,048 / 72.900*
B Kits												
Recurring												
Kit Qty- APX-118 B-Kits	2,635 / 113.812	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,635 / 113.812
Subtotal Recurring	*2,635 / 113.812*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*2,635 / 113.812*
Non-Recurring												
B-Kit Nonrecurring	0 / 6.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.600
Subtotal Non-Recurring	*0 / 6.600*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 6.600*
Total, Global Air Traffic Mgmt RW APX-118	*4,683 / 193.312*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*4,683 / 193.312*
Global Air Traffic Mgmt RW APX-123												
A Kits												
Recurring												
Kit Quantity - APX-123 A-Kits	32 / 0.100	- / -	225 / 1.100	168 / 0.800	- / -	168 / 0.800	168 / 0.900	82 / 0.400	82 / 0.420	- / -	- / -	757 / 3.720
AirCrft Integ/RCUs/KIV77	0 / 13.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.100
ECP	0 / 5.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.100
Systems Eng/Prog Mgt (SEPM)	0 / 9.400	- / 1.900	- / 1.000	- / 0.700	- / -	- / 0.700	- / 0.700	- / 0.700	- / 0.700	- / -	- / -	- / 15.100

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM Rotary Wing Aircraft
Models of Systems Affected: UH&HH60A&L, CH47D&F, UH60M, MH47D/G/E/F, MH60L/K/M, AH6,MH6, AH64A&D, OH58D&F, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Other PM Admin	0 / 3.900	- / 0.200	- / 0.100	- / 0.100	- / -	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / -	- / -	- / 4.600
Subtotal Recurring	*32 / 31.600*	*- / 2.100*	*225 / 2.200*	*168 / 1.600*	*- / -*	*168 / 1.600*	*168 / 1.700*	*82 / 1.200*	*82 / 1.220*	*- / -*	*- / -*	*757 / 41.620*
B Kits												
Recurring												
Kit Quantity - APX-123 B-Kits	648 / 13.900	75 / 4.200	231 / 8.212	138 / 5.241	- / -	138 / 5.241	218 / 2.000	157 / 1.100	86 / 0.480	- / -	- / -	1,553 / 35.133
Subtotal Recurring	*648 / 13.900*	*75 / 4.200*	*231 / 8.212*	*138 / 5.241*	*- / -*	*138 / 5.241*	*218 / 2.000*	*157 / 1.100*	*86 / 0.480*	*- / -*	*- / -*	*1,553 / 35.133*
Non-Recurring												
B-Kits, Nonrecurring	0 / 20.600	- / 2.000	- / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.400
Subtotal Non-Recurring	*0 / 20.600*	*- / 2.000*	*- / 0.800*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 23.400*
Total, Global Air Traffic Mgmt RW APX-123	*680 / 66.100*	*75 / 8.300*	*456 / 11.212*	*306 / 6.841*	*- / -*	*306 / 6.841*	*386 / 3.700*	*239 / 2.300*	*168 / 1.700*	*- / -*	*- / -*	*2,310 / 100.153*
Global Air Traffic Mgmt RW APX-118 Upgrade Kits												
A Kits												
Recurring												
Kit Qty- Upgrade A-Kits	272 / 1.311	250 / 1.330	250 / 1.335	219 / 1.394	- / -	219 / 1.394	200 / 0.500	- / -	- / -	- / -	- / -	1,191 / 5.870
Engineering Change Orders	0 / 0.100	- / 1.023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.123
System Eng/Prog Mgt (SEPM)	0 / 5.600	- / 3.200	- / 0.800	- / 0.800	- / -	- / 0.800	- / 0.400	- / 0.200	- / 0.100	- / -	- / -	- / 11.100
Subtotal Recurring	*272 / 7.011*	*250 / 5.553*	*250 / 2.135*	*219 / 2.194*	*- / -*	*219 / 2.194*	*200 / 0.900*	*- / 0.200*	*- / 0.100*	*- / -*	*- / -*	*1,191 / 18.093*
B Kits												
Recurring												
Kit Qty- Upgrade B-Kits	1,620 / 16.000	- / -	489 / 5.900	489 / 5.600	- / -	489 / 5.600	462 / 5.389	93 / 1.020	- / -	- / -	- / -	3,153 / 33.909
Subtotal Recurring	*1,620 / 16.000*	*- / -*	*489 / 5.900*	*489 / 5.600*	*- / -*	*489 / 5.600*	*462 / 5.389*	*93 / 1.020*	*- / -*	*- / -*	*- / -*	*3,153 / 33.909*
Non-Recurring												
B-Kits Nonrecurring	0 / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.200
Subtotal Non-Recurring	*0 / 1.200*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.200*
Total, Global Air Traffic Mgmt RW APX-118 Upgrade Kits	*1,892 / 24.211*	*250 / 5.553*	*739 / 8.035*	*708 / 7.794*	*- / -*	*708 / 7.794*	*662 / 6.289*	*93 / 1.220*	*- / 0.100*	*- / -*	*- / -*	*4,344 / 53.202*
Global Air Traffic Mgmt RW ADS-B Out												
A Kits												
Recurring												
Kit Qty: ADS-B Out A-Kits	0 / 0.000	- / -	- / -	- / -	- / -	- / -	306 / 1.800	680 / 3.000	886 / 2.700	1,391 / 5.618	1,221 / -	4,484 / 13.118

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM Rotary Wing Aircraft
Models of Systems Affected: UH&HH60A&L, CH47D&F, UH60M, MH47D/G/E/F, MH60L/K/M, AH6,MH6, AH64A&D, OH58D&F, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Engineering Change Orders	0 / 0.000	- / 1.100	- / 2.054	- / 0.700	- / -	- / 0.700	- / 0.700	- / 0.710	- / 0.525	- / 0.610	- / -	- / 6.399
Data	0 / 0.000	- / 0.800	- / 0.800	- / 0.320	- / -	- / 0.320	- / 0.700	- / 0.700	- / 0.600	- / 0.525	- / -	- / 4.445
Training Equipment	0 / 0.000	- / 2.100	- / 2.200	- / 0.855	- / -	- / 0.855	- / 0.900	- / 0.500	- / 0.420	- / 0.450	- / -	- / 7.425
Fielding	0 / 0.000	- / 0.400	- / 0.400	- / 0.214	- / -	- / 0.214	- / 0.200	- / 0.200	- / 0.220	- / 0.400	- / -	- / 2.034
System Eng/Prog Mgt (SEPM)	0 / 0.000	- / 2.200	- / 2.200	- / 3.026	- / -	- / 3.026	- / 3.454	- / 1.200	- / 1.103	- / 2.900	- / -	- / 16.083
System Test & Eval (ST&E)	0 / 0.000	- / 0.200	- / 0.200	- / 5.468	- / -	- / 5.468	- / 0.200	- / 0.200	- / 0.250	- / 1.244	- / -	- / 7.762
Other- PM Admin	0 / 0.000	- / 2.300	- / 2.300	- / 1.000	- / -	- / 1.000	- / 1.100	- / 1.200	- / 0.800	- / 2.000	- / -	- / 10.700
Subtotal Recurring	*0 / 0.000*	*- / 9.100*	*- / 10.154*	*- / 11.583*	*- / -*	*- / 11.583*	*306 / 9.054*	*680 / 7.710*	*886 / 6.618*	*1,391 / 13.747*	*1,221 / -*	*4,484 / 67.966*
Non-Recurring												
Non-Recurring Engineering	0 / 0.000	- / 10.700	- / 22.301	- / 14.162	- / -	- / 14.162	- / 8.075	- / 5.541	- / 1.830	- / 1.098	- / -	- / 63.707
Subtotal Non-Recurring	*0 / 0.000*	*- / 10.700*	*- / 22.301*	*- / 14.162*	*- / -*	*- / 14.162*	*- / 8.075*	*- / 5.541*	*- / 1.830*	*- / 1.098*	*- / -*	*- / 63.707*
B Kits												
Recurring												
Kit Qty: ADS-B Out B-Kits	0 / 0.000	- / -	- / -	- / -	- / -	- / -	306 / 5.700	680 / 11.355	886 / 11.121	1,391 / 14.871	1,221 / -	4,484 / 43.047
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*306 / 5.700*	*680 / 11.355*	*886 / 11.121*	*1,391 / 14.871*	*1,221 / -*	*4,484 / 43.047*
Total, Global Air Traffic Mgmt RW ADS-B Out	*0 / 0.000*	*- / 19.800*	*- / 32.455*	*- / 25.745*	*- / -*	*- / 25.745*	*612 / 22.829*	*1,360 / 24.606*	*1,772 / 19.569*	*2,782 / 29.716*	*2,442 / -*	*8,968 / 174.720*
Global Air Traffic Mgmt RW ARC-231												
A Kits												
Recurring												
Kit Qty- ARC-231 A-Kit	320 / 19.500	52 / 2.600	47 / 2.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	419 / 24.600
Testing	0 / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.800
PM Admin / SEPM	0 / 4.950	- / -	- / -	- / 0.238	- / -	- / 0.238	- / -	- / -	- / -	- / -	- / -	- / 5.188
Subtotal Recurring	*320 / 25.250*	*52 / 2.600*	*47 / 2.500*	*- / 0.238*	*- / -*	*- / 0.238*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*419 / 30.588*
Non-Recurring												
NRE (A-Kit)	0 / 1.350	- / 1.145	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.495
Subtotal Non-Recurring	*0 / 1.350*	*- / 1.145*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 2.495*
B Kits												
Recurring												
Kit Qty- ARC-231 B-Kit	320 / 54.000	52 / 6.300	47 / 5.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	419 / 66.000

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM Rotary Wing Aircraft
Models of Systems Affected: UH&HH60A&L, CH47D&F, UH60M, MH47D/G/E/F, MH60L/K/M, AH6,MH6, AH64A&D, OH58D&F, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Subtotal Recurring	*320 / 54.000*	*52 / 6.300*	*47 / 5.700*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*419 / 66.000*
Total, Global Air Traffic Mgmt RW ARC-231	*640 / 80.600*	*104 / 10.045*	*94 / 8.200*	*- / 0.238*	*- / -*	*- / 0.238*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*838 / 99.083*
Global Air Traffic Mgmt RW Transition Doors												
A Kits												
Non-Recurring												
Equipment, Nonrecurring	0 / 10.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.400
Subtotal Non-Recurring	*0 / 10.400*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 10.400*
B Kits												
Recurring												
Transition Doors, Procurement	344 / 25.009	52 / 2.500	47 / 2.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	443 / 30.109
Subtotal Recurring	*344 / 25.009*	*52 / 2.500*	*47 / 2.600*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*443 / 30.109*
Total, Global Air Traffic Mgmt RW Transition Doors	*344 / 35.409*	*52 / 2.500*	*47 / 2.600*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*443 / 40.509*
DGNS (AN/ASN-128D) SDC Upgrade												
A Kits												
Recurring												
Data	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / 0.500	- / 0.250	- / -	- / 1.250
Training Equipment	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.683	- / -	- / -	- / 2.683
Systems Engineering	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.012	- / 1.000	- / 0.500	- / -	- / 2.512
PM Admin (SEPM)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / 0.500	- / 0.250	- / -	- / 1.250
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 2.012*	*- / 4.683*	*- / 1.000*	*- / -*	*- / 7.695*
B Kits												
Recurring												
Kit Quantity -- B-Kit	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.720	80 / 4.800	70 / 4.839	468 / -	630 / 10.359
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*12 / 0.720*	*80 / 4.800*	*70 / 4.839*	*468 / -*	*630 / 10.359*
Non-Recurring												
B-Kit, Nonrecurring	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.888	- / -	- / -	- / -	- / 12.888
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 12.888*	*- / -*	*- / -*	*- / -*	*- / 12.888*
Total, DGNS (AN/ASN-128D) SDC Upgrade	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*12 / 15.620*	*80 / 9.483*	*70 / 5.839*	*468 / -*	*630 / 30.942*
Embedded GPS Inertial (EGI) Navigation System ECP												

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM Rotary Wing Aircraft
Models of Systems Affected: UH&HH60A&L, CH47D&F, UH60M, MH47D/G/E/F, MH60L/K/M, AH6,MH6, AH64A&D, OH58D&F, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
A Kits												
Recurring												
Aircraft Integration	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.513	- / 8.072	- / -	- / 15.585
Data	0 / 0.000	- / -	- / -	- / 0.500	- / -	- / 0.500	- / 0.500	- / -	- / 0.250	- / 0.250	- / -	- / 1.500
Systems Engineering	0 / 0.000	- / -	- / -	- / 1.000	- / -	- / 1.000	- / 1.000	- / -	- / 0.500	- / 0.500	- / -	- / 3.000
Other	0 / 0.000	- / -	- / -	- / 0.500	- / -	- / 0.500	- / 0.500	- / -	- / 0.250	- / 0.250	- / -	- / 1.500
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / *2.000*	- / -	- / *2.000*	- / *2.000*	- / -	- / *8.513*	- / *9.072*	- / -	- / *21.585*
B Kits												
Recurring												
Kit Quantity -- B-Kit	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	124 / 5.000	209 / 9.000	- / -	333 / 14.000
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*124 / 5.000*	*209 / 9.000*	- / -	*333 / 14.000*
Non-Recurring												
B-Kit, Nonrecurring	0 / 0.000	- / -	- / -	- / 7.017	- / -	- / 7.017	- / 9.548	- / -	- / -	- / -	- / -	- / 16.565
Subtotal Non-Recurring	*0 / 0.000*	- / -	- / -	- / *7.017*	- / -	- / *7.017*	- / *9.548*	- / -	- / -	- / -	- / -	- / *16.565*
Total, Embedded GPS Inertial (EGI) Navigation System ECP	*0 / 0.000*	- / -	- / -	- / *9.017*	- / -	- / *9.017*	- / *11.548*	- / -	*124 / 13.513*	*209 / 18.072*	- / -	*333 / 52.150*
Total Procurement, All Modifications	*8,239 / 399.632*	*481 / 46.198*	*1,336 / 62.502*	*1,014 / 49.635*	- / -	*1,014 / 49.635*	*1,660 / 44.366*	*1,704 / 43.746*	*2,144 / 44.365*	*3,061 / 53.627*	*2,910 / -*	*22,549 / 744.071*
Total Procurement and Support	*399.632*	*46.198*	*62.502*	*49.635*	-	*49.635*	*44.366*	*43.746*	*44.365*	*53.627*	-	*744.071*
Global Air Traffic Mgmt RW APX-118 Installation Cost	1,562 / 11.556	221 / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,783 / 13.056
Global Air Traffic Mgmt RW APX-123 Installation Cost	0 / 0.000	- / -	- / -	225 / 0.300	- / -	225 / 0.300	168 / 0.500	168 / 0.600	82 / 0.300	82 / 0.300	- / -	725 / 2.000
Global Air Traffic Mgmt RW APX-118 Upgrade Kits Installation Cost	188 / 1.000	449 / 2.800	520 / 2.000	638 / 1.706	- / -	638 / 1.706	526 / 1.575	382 / 1.500	93 / 0.500	- / -	- / -	2,796 / 11.081
Global Air Traffic Mgmt RW ADS-B Out Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	306 / 0.900	680 / 1.092	886 / 1.400	2,612 / -	4,484 / 3.392
Global Air Traffic Mgmt RW ARC-231 Installation Cost	270 / 13.500	50 / 2.508	52 / 2.399	47 / 1.900	- / -	47 / 1.900	- / -	- / -	- / -	- / -	- / -	419 / 20.307
Global Air Traffic Mgmt RW Transition Doors Installation Cost	0 / 0.000	50 / 1.818	88 / 3.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	138 / 5.018
DGNS (AN/ASN-128D) SDC Upgrade Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.038	63 / 0.192	80 / 0.240	478 / -	630 / 0.470
Embedded GPS Inertial (EGI) Navigation System ECP Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	93 / 0.279	187 / 0.561	53 / -	333 / 0.840
Total Installation Cost	*2,020 / 26.056*	*770 / 8.626*	*660 / 7.599*	*910 / 3.906*	- / -	*910 / 3.906*	*694 / 2.075*	*865 / 3.038*	*1,011 / 2.363*	*1,235 / 2.501*	*3,143 / -*	*11,308 / 56.164*

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM Rotary Wing Aircraft
Models of Systems Affected: UH&HH60A&L, CH47D&F, UH60M, MH47D/G/E/F, MH60L/K/M, AH6,MH6, AH64A&D, OH58D&F, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Total Cost (Procurement + Support + Installation)	**425.688**	**54.824**	**70.101**	**53.541**	**-**	**53.541**	**46.441**	**46.784**	**46.728**	**56.128**	**-**	**800.235**

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM Rotary Wing Aircraft
Models of Systems Affected: UH&HH60A&L, CH47D&F, UH60M, MH47D/G/E/F, MH60L/K/M, AH6,MH6, AH64A&D, OH58D&F, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Manufacturer Information: Global Air Traffic Mgmt RW APX-118

Manufacturer Name: BAE Systems, Incorporated	Manufacturer Location: Greenlawn, NY
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: Global Air Traffic Mgmt RW APX-118	**Method of Implementation:** Modification Work Order (MWO) - Contractor	**Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	1,562 / 11.556	221 / 1.500	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	1,783 / 13.056
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1,562 / 11.556	221 / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,783 / 13.056

Installation Schedule

		FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018					
	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	TC	Tot
In	1,562	56	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,783
Out	1,481	80	56	55	55	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,783

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM Rotary Wing Aircraft
Models of Systems Affected: UH&HH60A&L, CH47D&F, UH60M, MH47D/G/E/F, MH60L/K/M, AH6,MH6, AH64A&D, OH58D&F, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Manufacturer Information: Global Air Traffic Mgmt RW APX-123

Manufacturer Name: BAE Systems, Incorporated	Manufacturer Location: Greenlawn, NY
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 15

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates		Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016	
Delivery Dates		Feb 2014	Feb 2015	Feb 2016	Feb 2017	Feb 2018	

Installation: Global Air Traffic Mgmt RW APX-123 | **Method of Implementation:** Modification Work Order (MWO) - Contractor | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	225 / 0.300	- / -	225 / 0.300	- / -	- / -	- / -	- / -	- / -	225 / 0.300
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	168 / 0.500	- / -	- / -	- / -	- / -	168 / 0.500
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	168 / 0.600	- / -	- / -	- / -	168 / 0.600
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	82 / 0.300	- / -	- / -	82 / 0.300
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	82 / 0.300	- / -	82 / 0.300
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	225 / 0.300	- / -	225 / 0.300	168 / 0.500	168 / 0.600	82 / 0.300	82 / 0.300	- / -	725 / 2.000

Installation Schedule

		FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018					
	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	TC	Tot
In	-	-	-	-	-	-	-	-	-	-	-	113	112	42	42	42	42	42	42	42	42	20	20	21	21	21	21	20	20	-	725
Out	-	-	-	-	-	-	-	-	-	-	-	-	113	112	42	42	42	42	42	42	42	42	20	20	21	21	21	21	20	20	725

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM Rotary Wing Aircraft
Models of Systems Affected: UH&HH60A&L, CH47D&F, UH60M, MH47D/G/E/F, MH60L/K/M, AH6,MH6, AH64A&D, OH58D&F, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Manufacturer Information: Global Air Traffic Mgmt RW APX-118 Upgrade Kits

Manufacturer Name: BAE Systems, Incorporated	Manufacturer Location: Greenlawn, NY
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 14

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Dec 2011	Dec 2012	Dec 2013	Dec 2014	Dec 2015		
Delivery Dates	Jan 2013	Jan 2014	Jan 2015	Jan 2016	Jan 2017		

Installation: Global Air Traffic Mgmt RW APX-118 Upgrade Kits

Method of Implementation: Modification Work Order (MWO) - Depot Level Modification

Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	188 / 1.000	449 / 2.800	520 / 2.000	463 / 1.206	- / -	463 / 1.206	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	1,620 / 7.006
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	175 / 0.500	- / -	175 / 0.500	156 / 0.437	- / -	- / -	- / -	- / -	331 / 0.937
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	370 / 1.138	- / -	- / -	- / -	- / -	370 / 1.138
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	382 / 1.500	- / -	- / -	- / -	382 / 1.500
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	93 / 0.500	- / -	- / -	93 / 0.500
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	188 / 1.000	449 / 2.800	520 / 2.000	638 / 1.706	- / -	638 / 1.706	526 / 1.575	382 / 1.500	93 / 0.500	- / -	- / -	2,796 / 11.081

Installation Schedule

		FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018					
	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	TC	Tot
In	188	113	112	113	111	130	131	129	130	160	161	161	156	132	132	131	131	97	95	95	95	23	24	24	22	-	-	-	-	-	2,796
Out	145	84	113	112	113	111	130	131	129	130	160	161	161	156	132	132	131	112	97	95	95	95	23	24	24	-	-	-	-	-	2,796

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM Rotary Wing Aircraft
Models of Systems Affected: UH&HH60A&L, CH47D&F, UH60M, MH47D/G/E/F, MH60L/K/M, AH6,MH6, AH64A&D, OH58D&F, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Manufacturer Information: Global Air Traffic Mgmt RW ADS-B Out

Manufacturer Name: BAE Systems, Incorporated	Manufacturer Location: Greenlawn, NY
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 16

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates				Dec 2014	Dec 2015	Dec 2016	Dec 2017
Delivery Dates				Mar 2016	Mar 2017	Mar 2018	Mar 2019

Installation: Global Air Traffic Mgmt RW ADS-B Out

Method of Implementation: Modification Work Order (MWO) - Contractor

Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	306 / 0.900	- / -	- / -	- / -	306 / 0.900
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	680 / 1.092	- / -	- / -	680 / 1.092
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	886 / 1.400	- / -	886 / 1.400
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,391 / -	1,391 / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,221 / -	1,221 / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	306 / 0.900	680 / 1.092	886 / 1.400	2,612 / -	4,484 / 3.392

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	154	152	170	167	172	171	222	222	221	221	2,612	4,484
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	154	152	170	167	172	171	222	222	221	2,833	4,484

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM Rotary Wing Aircraft
Models of Systems Affected: UH&HH60A&L, CH47D&F, UH60M, MH47D/G/E/F, MH60L/K/M, AH6,MH6, AH64A&D, OH58D&F, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Manufacturer Information: Global Air Traffic Mgmt RW ARC-231

Manufacturer Name: Raytheon, Incorporated	Manufacturer Location: Fort Wayne, IN
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 10

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Dec 2011	Dec 2012					
Delivery Dates	Sep 2012	Sep 2013					

Installation: Global Air Traffic Mgmt RW ARC-231	Method of Implementation: Modification Work Order (MWO) - Contractor	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	270 / 13.500	50 / 2.508	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	320 / 16.008
FY 2012	0 / 0.000	- / -	52 / 2.399	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 2.399
FY 2013	0 / 0.000	- / -	- / -	47 / 1.900	- / -	47 / 1.900	- / -	- / -	- / -	- / -	- / -	47 / 1.900
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	270 / 13.500	50 / 2.508	52 / 2.399	47 / 1.900	- / -	47 / 1.900	- / -	- / -	- / -	- / -	- / -	419 / 20.307

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	270	12	12	12	14	13	13	13	13	12	12	12	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	419
Out	249	21	12	12	12	14	13	13	13	13	12	12	12	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	419

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM Rotary Wing Aircraft
Models of Systems Affected: UH&HH60A&L, CH47D&F, UH60M, MH47D/G/E/F, MH60L/K/M, AH6,MH6, AH64A&D, OH58D&F, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Manufacturer Information: Global Air Traffic Mgmt RW Transition Doors

Manufacturer Name: Aviation Applied Technology Directorate (AATD)	Manufacturer Location: Fort Belvoir, VA
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 15

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Dec 2011	Dec 2012					
Delivery Dates	Feb 2013	Feb 2014					

Installation: Global Air Traffic Mgmt RW Transition Doors

Method of Implementation: Modification Work Order (MWO) - Contractor

Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	49 / 1.782	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	49 / 1.782
FY 2012	0 / 0.000	50 / 1.818	39 / 1.418	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	89 / 3.236
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	50 / 1.818	88 / 3.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	138 / 5.018

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	305	-	-	-	50	49	13	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	443
Out	305	-	-	-	-	50	49	13	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	443

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM Rotary Wing Aircraft
Models of Systems Affected: UH&HH60A&L, CH47D&F, UH60M, MH47D/G/E/F, MH60L/K/M, AH6,MH6, AH64A&D, OH58D&F, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Manufacturer Information: DGNS (AN/ASN-128D) SDC Upgrade

Manufacturer Name: BAE International Incorporated	Manufacturer Location: Wayne, NJ
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 12

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates					Dec 2015	Dec 2016	Dec 2017
Delivery Dates					Nov 2016	Nov 2017	Nov 2018

Installation: DGNS (AN/ASN-128D) SDC Upgrade | **Method of Implementation:** Modification Work Order (MWO) - Contractor | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.038	3 / 0.012	- / -	- / -	12 / 0.050
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 0.180	20 / 0.060	- / -	80 / 0.240
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 0.180	10 / -	70 / 0.180
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	468 / -	468 / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.038	63 / 0.192	80 / 0.240	478 / -	630 / 0.470

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	20	20	20	20	20	20	20	478	630
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	20	20	20	20	20	20	498	630

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** AA0711 - GATM Rollup	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - GATM Rotary Wing Aircraft
Models of Systems Affected: UH&HH60A&L, CH47D&F, UH60M, MH47D/G/E/F, MH60L/K/M, AH6,MH6, AH64A&D, OH58D&F, UAS	**Type Modification:** New or Improved Operational Capability	**Related RDT&E PEs:**

Manufacturer Information: Embedded GPS Inertial (EGI) Navigation System ECP

Manufacturer Name: Honeywell, Incorporated	Manufacturer Location: Clearwater, FL
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 12

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates						Dec 2016	Dec 2017
Delivery Dates						Nov 2017	Nov 2018

Installation: Embedded GPS Inertial (EGI) Navigation System ECP

Method of Implementation: Modification Work Order (MWO) - Contractor

Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	93 / 0.279	31 / 0.093	- / -	124 / 0.372
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	156 / 0.468	53 / -	209 / 0.468
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	93 / 0.279	187 / 0.561	53 / -	333 / 0.840

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	31	31	31	52	52	52	53	333
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	31	31	31	52	52	105	333

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00018 - RQ-7 UAV MODS
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**
MDAP/MAIS Code(s):	**Other Related Program Elements:** 0375204A, 0375233A

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1,198.937	165.139	104.339	121.902	-	121.902	167.186	141.196	139.992	151.100	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1,198.937	165.139	104.339	121.902	-	121.902	167.186	141.196	139.992	151.100	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,198.937**	**165.139**	**104.339**	**121.902**	**-**	**121.902**	**167.186**	**141.196**	**139.992**	**151.100**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	4,647.043	41,284.750	-	-	-	-	-	-	-	-	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

RQ-7 UAV: Tactical Unmanned Aerial System (TUAS) RQ-7 provides the Army Brigade Commander with dedicated Reconnaissance, Surveillance and Target Acquisition (RSTA), Intelligence, Battle Damage Assessment (BDA) and Force Protection. The TUAS Shadow has logged over 803,326 flight hours, most of which were flown in support of Operation Iraqi Freedom and Operation Enduring Freedom. The Shadow air vehicle meets the required operating range of 50 kilometers and remains on station for up to nine hours. The full TUAS Shadow system consists of four air vehicles with payload, launchers, and ground control and support equipment including: power generation, communications equipment, automated recovery equipment, one system remote video terminals (OSRVT), vehicle mounted shelters, and High Mobility Multipurpose Wheeled Vehicles with trailer(s). Each system is equipped with one Maintenance Section Multifunctional (MSM) and is supported at the division level by a Mobile Maintenance Facility (MMF). The baseline fielded payload was the electro-optic infrared (EO/IR), but half of those were replaced with a Laser Designator (LD) payload. The Army has procured 102 systems through FY2009. This budget line procures modifications including the Congressionally mandated Tactical Common Data Link (TCDL), Payloads upgrades, System Modifications and One System Remote Video Terminal Upgrades.

Implements Congressionally mandated Tactical Common Data link (TCDL) and STANAG 4586, meets the Shadow ORD requirement, and provides a secure data link. TCDL retrofit includes extended wings for the Shadow air vehicles to accommodate the added weight of TCDL data link, procurement of the Universal Ground Control Station (UGCS) and Universal Ground Data Terminal (UGDT), which are required for interoperability. GFE and spares are also included.

The payload(s) carried by the Shadow UAS provides a substantial part of its capability. The first payload upgrade was the previously mentioned LD payload. Development efforts will bring upgraded capabilities through additional payloads to include: signals intelligence (SIGINT); synthnetic aperture radar (SAR); and improved EO/IR/LD. Procurement and fielding of these payloads will use an incremental approach to provide the capability as rapidly as possible. Payloads upgrades are in the Payloads P3a.

System upgrades not included under TCDL or Payloads are in the System Mods P3a Form. Upgrades are generally categorized as Air Vehicle, Ground Control Equipment, and Support Equipment.

OSRVT: The One System Remote Video Terminal (OSRVT) fielded in Shadow systems requires an upgrade to an Increment II OSRVT. The OSRVT upgrade Increment II program of record began in FY12. The OSRVT Increment II consists of a receiver, toughbook computer, antennas, UHF Modem, Type 1 encryption, and an extended range antenna (MDAS). Software supports decoding Telemetry Data from

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00018 - RQ-7 UAV MODS
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**
Other Related Program Elements: 0375204A, 0375233A	
MDAP/MAIS Code(s):	

multiple UASs, provides EO/IR payload control, and supports off-target calculations. FY14 OSRVT Base funding supports procurement of the transmit capable extended range antennas (MDAS) to meet the requirements in the Capabilities Production Document (CPD), and address changes to supported platforms.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	165.139	-	121.902	-	121.902	167.186	141.196	139.992	151.100

Item Schedule		ID CD	Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits		Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0000 - RQ-7 UAV MODS	P3A		4,647.043	-	1,198.937	-	-	165.139	-	-	104.339	-	-	121.902	-	-	-	-	-	121.902
Total Gross/Weapon System Cost					**1,198.937**			**165.139**			**104.339**			**121.902**			**-**			**121.902**

Item Schedule		ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
0000 - RQ-7 UAV MODS	P3A		-	-	167.186	-	-	141.196	-	-	139.992	-	-	151.100	Continuing			Continuing		
Total Gross/Weapon System Cost					**167.186**			**141.196**			**139.992**			**151.100**	**Continuing**			**Continuing**		

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY2014 Base funding of $121.902 million supports acquisition of 7 Shadow TCDL Retrofit Kits and initial spares, GFE, 7 Launchers, 94 New Mission Computers, 16 Signals Intelligence (SIGINT) payloads, and 6 Universal Mission Simulators. It also procures OSRVT's 70 MDAS Extended Range Antennas, Systems Engineering/Program Management (SE/PM), Logistics, Fielding and Training.

All COMPO 1 Active

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00018 - RQ-7 UAV MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - RQ-7 UAV MODS

Models of Systems Affected: N/A	Type Modification: UNCLASSIFIED	Related RDT&E PEs:

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1,198.937	165.139	104.339	121.902	-	121.902	167.186	141.196	139.992	151.100	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1,198.937	165.139	104.339	121.902	-	121.902	167.186	141.196	139.992	151.100	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,198.937**	**165.139**	**104.339**	**121.902**	**-**	**121.902**	**167.186**	**141.196**	**139.992**	**151.100**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	4,647.043	41,284.750	-	-	-	-	-	-	-	-	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

Shadow Modifications

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00018 - RQ-7 UAV MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - RQ-7 UAV MODS
Models of Systems Affected: N/A	**Type Modification:** UNCLASSIFIED	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Procurement												
SHADOW TACTICAL COMMON DATA LINK (TCDL)												
A Kits												
Recurring												
TCDL System Retrofit Kits	62 / 537.393	6 / 49.336	7 / 25.891	7 / 54.858	- / -	7 / 54.858	7 / 45.026	7 / 35.230	4 / 28.946	- / -	- / -	100 / 776.680
UGCS Only System Retrofit	28 / 89.763	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 89.763
Launchers	42 / 12.027	- / -	7 / 2.901	7 / 2.970	- / -	7 / 2.970	32 / 13.822	7 / 3.078	7 / 3.133	- / -	- / -	102 / 37.931
Software	0 / 10.377	- / 0.697	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.074
Pubs/Tech Data	0 / 3.747	- / 0.252	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.999
GFE	0 / 31.770	- / 6.000	- / 2.640	- / 2.703	- / -	- / 2.703	- / 2.751	- / 2.801	- / 1.629	- / -	- / -	- / 50.294
Training Equipment	18 / 19.250	- / -	10 / 19.915	6 / 5.686	- / -	6 / 5.686	21 / 20.260	8 / 7.857	- / -	8 / 8.142	- / -	71 / 81.110
Training (NET)	0 / 19.072	- / 2.670	24 / 16.288	- / 4.580	- / -	- / 4.580	- / 8.392	- / 8.544	- / 8.697	- / 8.854	- / -	24 / 77.097
Program Management	0 / 19.988	- / 5.263	- / 9.265	- / 8.568	- / -	- / 8.568	- / 7.750	- / 6.074	- / 4.633	- / 1.646	- / -	- / 63.187
Engineeering	0 / 7.945	- / 2.091	- / 3.681	- / 3.404	- / -	- / 3.404	- / 3.079	- / 2.413	- / 1.841	- / 0.654	- / -	- / 25.108
Logistics	0 / 16.140	- / 4.245	- / 7.474	- / 6.912	- / -	- / 6.912	- / 6.252	- / 4.900	- / 3.738	- / 1.328	- / -	- / 50.989
Subtotal Recurring	*150 / 767.472*	*6 / 70.554*	*48 / 88.055*	*20 / 89.681*	*- / -*	*20 / 89.681*	*60 / 107.332*	*22 / 70.897*	*11 / 52.617*	*8 / 20.624*	*- / -*	*325 / 1,267.232*
Non-Recurring												
Nonrecurring Engineering (NRE)	0 / 27.055	- / 1.819	- / -	- / 4.224	- / -	- / 4.224	- / 4.294	- / -	- / -	- / -	- / -	- / 37.392
Subtotal Non-Recurring	*0 / 27.055*	*- / 1.819*	*- / -*	*- / 4.224*	*- / -*	*- / 4.224*	*- / 4.294*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 37.392*
Total, SHADOW TACTICAL COMMON DATA LINK (TCDL)	*150 / 794.527*	*6 / 72.373*	*48 / 88.055*	*20 / 93.905*	*- / -*	*20 / 93.905*	*60 / 111.626*	*22 / 70.897*	*11 / 52.617*	*8 / 20.624*	*- / -*	*325 / 1,304.624*
SHADOW SYSTEM MODIFICATIONS												
A Kits												
Recurring												
Attrition Air Vehicles	3 / 2.607	68 / 71.535	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	71 / 74.142
Mission Computer	0 / 0.000	- / -	44 / 3.519	94 / 7.635	- / -	94 / 7.635	94 / 7.772	94 / 7.912	94 / 8.054	64 / 5.583	- / -	484 / 40.475
High Reliability Engine	0 / 0.000	- / -	- / -	- / -	- / -	- / -	70 / 4.533	120 / 7.911	180 / 12.080	210 / 14.347	- / -	580 / 38.871
Tripe Redundant Avionics	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	64 / 7.660	234 / 28.780	- / -	298 / 36.440
Nonrecurring Engineering (NRE)	0 / 2.150	- / -	- / -	- / -	- / -	- / -	- / 2.115	- / -	- / -	- / -	- / -	- / 4.265
Program Management	0 / 0.000	- / 4.334	- / 0.493	- / 0.924	- / -	- / 0.924	- / 1.057	- / 1.656	- / 3.043	- / 4.709	- / -	- / 16.216
Engineering	0 / 0.000	- / 1.722	- / 0.196	- / 0.367	- / -	- / 0.367	- / 0.420	- / 0.658	- / 1.209	- / 1.871	- / -	- / 6.443
Logistics	0 / 0.000	- / 3.496	- / 0.398	- / 0.745	- / -	- / 0.745	- / 0.852	- / 1.336	- / 2.455	- / 3.799	- / -	- / 13.081
Subtotal Recurring	*3 / 4.757*	*68 / 81.087*	*44 / 4.606*	*94 / 9.671*	*- / -*	*94 / 9.671*	*164 / 16.749*	*214 / 19.473*	*338 / 34.501*	*508 / 59.089*	*- / -*	*1,433 / 229.933*

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00018 - RQ-7 UAV MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - RQ-7 UAV MODS
Models of Systems Affected: N/A	**Type Modification:** UNCLASSIFIED	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
Total, SHADOW SYSTEM MODIFICATIONS	*3 / 4.757*	*68 / 81.087*	*44 / 4.606*	*94 / 9.671*	*- / -*	*94 / 9.671*	*164 / 16.749*	*214 / 19.473*	*338 / 34.501*	*508 / 59.089*	*- / -*	*1,433 / 229.933*
SHADOW PAYLOAD UPGRADES/MODIFICATIONS												
A Kits												
Recurring												
Laser Designator	106 / 108.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	106 / 108.850
SAR	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	16 / 8.624	16 / 8.780	40 / 22.344	- / -	72 / 39.748
SIGINT	0 / 0.000	- / -	- / -	16 / 5.091	- / -	16 / 5.091	- / -	- / -	- / -	- / -	- / -	16 / 5.091
EO/IR/LD Upgrade	0 / 0.000	- / -	- / -	- / -	- / -	- / -	32 / 17.277	32 / 17.588	32 / 17.905	40 / 22.784	- / -	136 / 75.554
Training	0 / 5.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.658	- / 1.341	- / -	- / 7.699
Program Management	0 / 3.506	- / -	- / -	- / 0.616	- / -	- / 0.616	- / 1.484	- / 2.744	- / 2.988	- / 4.500	- / -	- / 15.838
Engineering	0 / 1.399	- / -	- / -	- / 0.245	- / -	- / 0.245	- / 0.589	- / 1.090	- / 1.187	- / 1.788	- / -	- / 6.298
Logistics	0 / 2.698	- / -	- / -	- / 0.497	- / -	- / 0.497	- / 1.197	- / 2.214	- / 2.410	- / 3.630	- / -	- / 12.646
Subtotal Recurring	*106 / 122.153*	*- / -*	*- / -*	*16 / 6.449*	*- / -*	*16 / 6.449*	*32 / 20.547*	*48 / 32.260*	*48 / 33.928*	*80 / 56.387*	*- / -*	*330 / 271.724*
Total, SHADOW PAYLOAD UPGRADES/MODIFICATIONS	*106 / 122.153*	*- / -*	*- / -*	*16 / 6.449*	*- / -*	*16 / 6.449*	*32 / 20.547*	*48 / 32.260*	*48 / 33.928*	*80 / 56.387*	*- / -*	*330 / 271.724*
OSRVT MODIFICATIONS												
A Kits												
Recurring												
OSRVT Retrofit Kits	2,937 / 212.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,937 / 212.900
OSRVT BI-Directional Retrofit Kits	0 / 0.000	- / -	400 / 10.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	400 / 10.200
OSRVT MDAS Antennas	0 / 0.000	- / -	- / -	70 / 5.888	- / -	70 / 5.888	100 / 8.563	95 / 8.280	95 / 8.430	70 / 6.323	- / -	430 / 37.484
MDAS BI-Directional Retrofit Kits	0 / 0.000	- / -	- / -	- / -	- / -	- / -	106 / 2.330	106 / 2.379	106 / 2.415	106 / 2.458	- / -	424 / 9.582
Army TIES Retrofit Kits	470 / 56.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	470 / 56.900
Program Management	0 / 7.700	- / 4.744	- / 0.600	- / 1.830	- / -	- / 1.830	- / 1.858	- / 1.897	- / 1.927	- / 1.967	- / -	- / 22.523
Logistics/TPF/NET	0 / 0.000	- / 1.553	- / 0.378	- / 3.329	- / -	- / 3.329	- / 4.663	- / 5.150	- / 5.294	- / 3.362	- / -	- / 23.729
Subtotal Recurring	*3,407 / 277.500*	*- / 6.297*	*400 / 11.178*	*70 / 11.047*	*- / -*	*70 / 11.047*	*206 / 17.414*	*201 / 17.706*	*201 / 18.066*	*176 / 14.110*	*- / -*	*4,661 / 373.318*
Non-Recurring												
Engineering	0 / 0.000	- / 5.382	- / 0.500	- / 0.830	- / -	- / 0.830	- / 0.850	- / 0.860	- / 0.880	- / 0.890	- / -	- / 10.192
Subtotal Non-Recurring	*0 / 0.000*	*- / 5.382*	*- / 0.500*	*- / 0.830*	*- / -*	*- / 0.830*	*- / 0.850*	*- / 0.860*	*- / 0.880*	*- / 0.890*	*- / -*	*- / 10.192*
Total, OSRVT MODIFICATIONS	*3,407 / 277.500*	*- / 11.679*	*400 / 11.678*	*70 / 11.877*	*- / -*	*70 / 11.877*	*206 / 18.264*	*201 / 18.566*	*201 / 18.946*	*176 / 15.000*	*- / -*	*4,661 / 383.510*
Total Procurement, All Modifications	*3,666 / 1,198.937*	*74 / 165.139*	*492 / 104.339*	*200 / 121.902*	*- / -*	*200 / 121.902*	*462 / 167.186*	*485 / 141.196*	*598 / 139.992*	*772 / 151.100*	*- / -*	*6,749 / 2,189.791*
Total Procurement and Support	*1,198.937*	*165.139*	*104.339*	*121.902*	*-*	*121.902*	*167.186*	*141.196*	*139.992*	*151.100*	*-*	*2,189.791*

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00018 - RQ-7 UAV MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - RQ-7 UAV MODS
Models of Systems Affected: N/A	**Type Modification:** UNCLASSIFIED	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
SHADOW TACTICAL COMMON DATA LINK (TCDL) Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
SHADOW SYSTEM MODIFICATIONS Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
SHADOW PAYLOAD UPGRADES/MODIFICATIONS Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
OSRVT MODIFICATIONS Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Installation Cost	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Cost (Procurement + Support + Installation)	**1,198.937**	**165.139**	**104.339**	**121.902**	**-**	**121.902**	**167.186**	**141.196**	**139.992**	**151.100**	**-**	**2,189.791**

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00018 - RQ-7 UAV MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - RQ-7 UAV MODS

Models of Systems Affected: N/A	Type Modification: UNCLASSIFIED	Related RDT&E PEs:

Manufacturer Information: SHADOW TACTICAL COMMON DATA LINK (TCDL)

Manufacturer Name: AAI	Manufacturer Location: Hunt Valley, MD
Administrative Leadtime *(in Months)*: 7	Production Leadtime *(in Months)*: 15

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Aug 2012	Jun 2013	Mar 2014				
Delivery Dates	Feb 2015	Apr 2015	Jun 2015				

Installation: SHADOW TACTICAL COMMON DATA LINK (TCDL)	Method of Implementation: FFP Contract	Installation Name:

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00018 - RQ-7 UAV MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - RQ-7 UAV MODS
Models of Systems Affected: N/A	**Type Modification:** UNCLASSIFIED	**Related RDT&E PEs:**

Manufacturer Information: SHADOW SYSTEM MODIFICATIONS

Manufacturer Name: AAI	Manufacturer Location: Hunt Valley, MD
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates							
Delivery Dates							

Installation: SHADOW SYSTEM MODIFICATIONS | **Method of Implementation:** FFP Contract | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00018 - RQ-7 UAV MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - RQ-7 UAV MODS

Models of Systems Affected: N/A	Type Modification: UNCLASSIFIED	Related RDT&E PEs:

Manufacturer Information: SHADOW PAYLOAD UPGRADES/MODIFICATIONS

Manufacturer Name: AAI	Manufacturer Location: Hunt Valley, MD
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 12

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates			Mar 2014				
Delivery Dates			Mar 2015				

Installation: SHADOW PAYLOAD UPGRADES/MODIFICATIONS | **Method of Implementation:** FFP Contract | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3A, Individual Modification: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 02: Modification of Aircraft / BSA 10: Modification Of Aircraft	**P-1 Line Item Nomenclature:** A00018 - RQ-7 UAV MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 0000 - RQ-7 UAV MODS
Models of Systems Affected: N/A	**Type Modification:** UNCLASSIFIED	**Related RDT&E PEs:**

Manufacturer Information: OSRVT MODIFICATIONS

Manufacturer Name: AAI	Manufacturer Location: Hunt Valley, MD
Administrative Leadtime *(in Months)*: 4	Production Leadtime *(in Months)*: 12

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Aug 2012	Feb 2013	Apr 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018
Delivery Dates	May 2013	Feb 2014	Apr 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019

Installation: OSRVT MODIFICATIONS | **Method of Implementation:** FFP Contract | **Installation Name:**

Installation Cost	Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*	Qty (Each) / *Total Cost ($ M)*
All Prior Years	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	- / -	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000	0 / 0.000
FY 2012	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	APY	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3504 - Aircraft Survivability Equipment
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	617.981	35.993	34.037	47.610	-	47.610	54.504	52.789	53.762	8.600	607.700	1,512.976
Less PY Advance Procurement *($ in Millions)*	11.565	-	-	-	-	-	-	-	-	-	-	11.565
Net Procurement (P1) *($ in Millions)*	606.416	35.993	34.037	47.610	-	47.610	54.504	52.789	53.762	8.600	607.700	1,501.411
Plus CY Advance Procurement *($ in Millions)*	11.565	-	-	-	-	-	-	-	-	-	-	11.565
Total Obligation Authority *($ in Millions)*	**617.981**	**35.993**	**34.037**	**47.610**	**-**	**47.610**	**54.504**	**52.789**	**53.762**	**8.600**	**607.700**	**1,512.976**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The Aircraft Survivability Equipment (ASE) budget line includes ASE Laser Countermeasures (AZ3508), ASE Trainers (AZ3506), and ASE Radio Frequency Countermeasures (AZ3511).

The AN/AVR-2B Laser Countermeasure (LCM) is a passive threat laser warning system that alerts the aircrew that they are being targeted by threat forces allowing the aircrew to engage the target or maneuver to break the targeting. The system detects aircraft illumination by laser rangefinders, laser designators, and laser beam rider surface to air missiles. The system provides the aircrew visual and audio warnings according to threat lethality using 360 degree azimuth and 90 degree elevation field of view coverage.

Fiscal Year (FY)14 Base procurement dollars in the amount of $44.944 million procures AN/AVR-2B A-Kits, B-Kits, integration with other ASE systems, and installation for selected aircraft platforms in support of required operational capabilities. This includes UH-60L A-Kits and A-Kit installs, and the start of CH-47 A-Kits and A-Kit installs.

All COMPO 1 Active

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

The Aircraft Survivability Equipment Trainers are non-system ASE Training Devices. A current Program of Record (POR) is the Man-portable Aircraft Survivability Trainer (MAST). The MAST provides force-on-force training by stimulation of the onboard Common Missile Warning System (CMWS) at the Maneuver Combat Training Centers (MCTC). The aircraft training against the MAST include the Apache, Chinook, Kiowa Warrior, Blackhawk, and Fixed Wing platforms.

Fiscal Year (FY)14 Base Procurement dollars in the amount of $2.666 million supports engineering changes, testing, fielding, and salaries for the MAST system.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3504 - Aircraft Survivability Equipment
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
ASE Trainers	P40A		-	-	-	-	-	3.837	-	-	1.398	-	-	2.666	-	-	-	-	-	2.666
AZ3508 - ASE Laser CM	P5, P5A, P21		-	-	255.843	-	-	32.156	-	-	32.639	-	-	44.944	-	-	-	-	-	44.944
Total Gross/Weapon System Cost					**617.981**			**35.993**			**34.037**			**47.610**			**-**			**47.610**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:
All COMPO 1 Active

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3504 - Aircraft Survivability Equipment	**Item Nomenclature (*Item Number - Item Name, DODIC*):** AZ3508 - ASE Laser CM

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	255.843	32.156	32.639	44.944	-	44.944
Less PY Advance Procurement *($ in Millions)*	11.565	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	244.278	32.156	32.639	44.944	-	44.944
Plus CY Advance Procurement *($ in Millions)*	11.565	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**255.843**	**32.156**	**32.639**	**44.944**	**-**	**44.944**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
Recurring Production		-	-	216.498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non Recurring Production A-Kit		-	-	-	-	-	6.000	-	-	-	-	-	-	-	-	-	-	-	-
† A-Kit Procurement		-	-	3.808	25.000	44	1.100	29.000	52	1.508	38.000	135	5.130	-	-	-	38.000	135	5.130
A-Kit Installation		-	-	7.089	-	-	2.729	-	-	3.711	74.000	133	9.853	-	-	-	74.000	133	9.853
† B-Kit Procurement		-	-	20.656	135.000	126	17.010	145.000	142	20.590	150.000	150	22.543	-	-	-	150.000	150	22.543
Other Recurring Production		-	-	-	-	-	0.021	-	-	-	-	-	0.225	-	-	-	-	-	0.225
Prime Contractor Program Mgt		-	-	-	-	-	1.335	-	-	1.860	-	-	0.885	-	-	-	-	-	0.885
Systems Engineering/ Program Mgt		-	-	3.452	-	-	2.138	-	-	2.310	-	-	4.470	-	-	-	-	-	4.470
Systems Test and Evaluation		-	-	1.908	-	-	1.300	-	-	2.137	-	-	1.823	-	-	-	-	-	1.823
Training		-	-	0.150	-	-	0.075	-	-	0.075	-	-	-	-	-	-	-	-	-
Data		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding		-	-	2.282	-	-	0.448	-	-	0.448	-	-	0.015	-	-	-	-	-	0.015
Modification Efforts		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				*255.843*			*32.156*			*32.639*			*44.944*			-			*44.944*
Total Flyaway Cost				*255.843*			*32.156*			*32.639*			*44.944*			-			*44.944*

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3504 - Aircraft Survivability Equipment	**Item Nomenclature (*Item Number - Item Name, DODIC*):** AZ3508 - ASE Laser CM

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Gross Weapon System Cost				**255.843**			**32.156**			**32.639**			**44.944**			**-**			**44.944**

P-5 Remarks:

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	32.156	32.639	44.944	-	44.944

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3504 - Aircraft Survivability Equipment	**Item Nomenclature:** AZ3508 - ASE Laser CM

Cost Elements († indicates the presence of a P-21)	OCO	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†A-Kit Procurement		2012	SESI / Huntsville, AL	SS / FFP	LSFMA, Redstone Arsenal, AL	Feb 2012	Aug 2012	44	25.000			
†A-Kit Procurement		2013	TBD / TBD	TBD	TBD	May 2013	Nov 2013	52	29.000			
†A-Kit Procurement		2014	TBD / TBD	TBD	TBD	Jan 2013	Oct 2013	135	38.000			
†B-Kit Procurement		2012	Goodrich / Danbury, CT	SS / FFP	CECOM, APG	Jan 2012	Oct 2012	126	135.000			
†B-Kit Procurement		2013	Goodrich / Danbury, CT	SS / FFP	AMCOM Contracting Command, RSA	Apr 2013	Jan 2014	142	145.000			
†B-Kit Procurement		2014	Goodrich / Danbury, CT	SS / FFP	AMCOM Contracting Command, RSA	Jan 2014	Oct 2014	150	150.000			

Remarks:

The increase in unit price for the B-Kits in FY 2012 reflects the beginning of a procurement mix of both 4 and 6 sensor B-Kits for installation on different aircraft platforms.

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3504 - Aircraft Survivability Equipment	**Item Nomenclature:** AZ3508 - ASE Laser CM

Cost Elements (Units in Each)							Fiscal Year 2012												Fiscal Year 2013										
										Calendar Year 2012														Calendar Year 2013									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
A-Kit Procurement																														
	1	2012	ARMY	44	-	44	-	-	-	-	A -	-	-	-	-	-	10	10	10	10	4										-
	2	2013	ARMY	52	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	52
	2	2014	ARMY	135	-	135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	135
B-Kit Procurement																														
	3	2012	ARMY	126	-	126	-	-	-	A -	-	-	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10	10	10	10	6
	3	2013	ARMY	142	-	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	142
	3	2014	ARMY	150	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3504 - Aircraft Survivability Equipment	**Item Nomenclature:** AZ3508 - ASE Laser CM

Cost Elements (Units in Each)							Fiscal Year 2014												Fiscal Year 2015											
							Calendar Year 2014															Calendar Year 2015									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
A-Kit Procurement																														
	1	2012	ARMY	44	44	-																								-
	2	2013	ARMY	52	-	52	-	10	10	10	10	10	2																	-
	2	2014	ARMY	135	-	135	15	15	15	15	15	15	15	15	15															-
B-Kit Procurement																														
	3	2012	ARMY	126	120	6	6																							-
	3	2013	ARMY	142	-	142	-	-	-	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2							-
	3	2014	ARMY	150	-	150	-	-	-	A -	-	-	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10	10	10	10	30
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3504 - Aircraft Survivability Equipment	**Item Nomenclature:** AZ3508 - ASE Laser CM

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR #	MFR Name - Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	SESI - Huntsville, AL	30.00	125.00	250.00	-	12	-	12	-	12	-	12
2	TBD - TBD	30.00	125.00	250.00	-	12	-	12	-	12	-	12
3	Goodrich - Danbury, CT	60.00	120.00	240.00	-	1	-	1	-	1	-	1

"A" in the Delivery Schedule indicated the Contract Award Date.
Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3507 - Survivability CM

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

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	3,449.620	-	-	5.700	-	5.700	-	-	-	-	2,551.068	6,006.388
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	3,449.620	-	-	5.700	-	5.700	-	-	-	-	2,551.068	6,006.388
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**3,449.620**	**-**	**-**	**5.700**	**-**	**5.700**	**-**	**-**	**-**	**-**	**2,551.068**	**6,006.388**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The US Army operational requirements concept for Infrared (IR) countermeasure systems is known as the Suite of Integrated Infrared Countermeasures (SIIRCM). SIIRCM is an integrated warning and countermeasure system to enhance aircraft survivability against IR guided threat missile systems. The Common Missile Warning System (CMWS) is a core element of the SIIRCM concept. CMWS is an integrated ultraviolet (UV) missile warning system, and an Improved Countermeasure Dispenser (ICMD) serving as a subsystem to a host aircraft.

The CMWS subprogram is a UV missile warning system that cues both flare and laser countermeasures to defeat incoming IR missiles and will provide a limited ability to warn aircrews of incoming unguided munitions. The B-Kit consists of the components which perform the missile detection and aircrew notification, unguided munitions detection and aircrew notification, false alarm rejection, hostile missile declaration, and countermeasure employment functions of the system. The CMWS Electronic Control Unit (ECU) receives UV missile detection data from Electro-Optic Missile Sensors (EOMS) and sends a missile alert signal to alert crewmen via on-board avionics. Tier 1 threat missiles detected and tracked by the CMWS are subsequently defeated by a combination of missile seeker countermeasures, including decoy flares and IR Laser Jamming (CH-47 platform only). In addition, the CMWS ECU receives detections of unguided munitions which it then passes to the aircrew through aural and visual cues. The aircrew then applies the appropriate Tactics Techniques and Procedures (TTPs) to break contact or engage the enemy with on ship ordnance. The CMWS Generation 3 (Gen 3) ECU will meet Tier 1 requirements while retaining a low false alarm rate. The Gen 3 ECU is required to obtain a Full Material Release (FMR) for CMWS and ensure protection against emerging IR guided missile threats.

The A-Kit for CMWS includes mounting hardware, wiring harnesses, cables, and other components necessary to install and interface the mission kit on host aircraft. The A-Kit ensures the mission kit is functionally and physically operational with a specific host aircraft type.

The ATIRCM/CMWS program was restructured per an Under Secretary of Defense for Acquisition, Technology, and Logistics (USD(AT&L)) Acquisition Decision Memorandum (ADM) dated 15 April 2009. USD(AT&L) designated the ATIRCM/CMWS program as an Acquisition Category (ACAT) 1D special interest program and directed the establishment of the CMWS, ATIRCM QRC and Common Infrared Countermeasure (CIRCM) subprograms. On 3 September 2010 Mr Kendall, Principal Deputy to the USD(AT&L), Acting DAE signed an ADM approving the reinstatment of the MS C for CMWS and redesignating the ATIRCM QRC and CMWS subprograms as ACAT 1C. Mr Kendall also approved new baselines for each subprogram.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3507 - Survivability CM

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

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	5.700	-	5.700	-	-	-	-

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
AZ3507 - Survivability CM	P5		-	-	3,449.620	-	-	-	-	-	-	-	-	5.700	-	-	-	-	-	5.700
Total Gross/Weapon System Cost					**3,449.620**			**-**			**-**			**5.700**			**-**			**5.700**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:
Database issue: FY14 program funding entered in error. Funds should reside in AZ3517 - CMWS.

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3507 - Survivability CM	**Item Nomenclature (*Item Number - Item Name, DODIC*):** AZ3507 - Survivability CM

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	3,449.620	-	-	5.700	-	5.700
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	3,449.620	-	-	5.700	-	5.700
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**3,449.620**	**-**	**-**	**5.700**	**-**	**5.700**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
CMWS A-kit Procurement		-	-	245.503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CMWS A-kit Installation		-	-	189.842	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CMWS B-kit Production		-	-	648.084	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Government Furnished Equipment (GFE)		-	-	25.404	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Recurring Production (Software)		-	-	99.925	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Systems Engineering/ Program Management		-	-	118.252	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Systems Test and Evaluation		-	-	86.520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Training		-	-	52.880	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data		-	-	17.363	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment		-	-	14.216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding		-	-	151.305	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CMWS Gen 3 ECU Hardware		-	-	37.947	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Modifications		-	-	131.399	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3507 - Survivability CM	**Item Nomenclature (*Item Number - Item Name, DODIC*):** AZ3507 - Survivability CM

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Other Procurement CMWS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IR Suppressor Kits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HF QRC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Recurring Production		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Procurement		-	-	1,302.400	-	-	-	-	-	-	-	-	5.700	-	-	-	-	-	5.700
Nonrecurring Production		-	-	140.380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ATIRCM QRC A-kit / B-kit Procurement		-	-	48.662	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ATIRCM QRC A-kit Installation		-	-	17.216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Engineering/ Program Management		-	-	50.712	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Test and Evaluation		-	-	71.610	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				*3,449.620*			-			-			*5.700*			-			*5.700*
Total Flyaway Cost				*3,449.620*			-			-			*5.700*			-			*5.700*
Gross Weapon System Cost				**3,449.620**			**-**			**-**			**5.700**			**-**			**5.700**

P-5 Remarks:

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	5.700	-	5.700

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3517 - CMWS
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**
Other Related Program Elements: 0604274A	
MDAP/MAIS Code(s):	

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	-	104.251	127.751	126.869	-	126.869	149.073	192.472	155.324	50.107	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	104.251	127.751	126.869	-	126.869	149.073	192.472	155.324	50.107	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**104.251**	**127.751**	**126.869**	**-**	**126.869**	**149.073**	**192.472**	**155.324**	**50.107**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The US Army operational requirements concept for Infrared (IR) countermeasure systems is known as the Suite of Integrated Infrared Countermeasures (SIIRCM). SIIRCM is an integrated warning and countermeasure system to enhance aircraft survivability against IR guided threat missile systems. The Common Missile Warning System (CMWS) is a core element of the SIIRCM concept. CMWS is an integrated ultraviolet (UV) missile warning system and Improved Countermeasure Dispenser (ICMD) serving as a subsystem to a host aircraft.

The CMWS program is a UV missile warning system that cues both flare and laser countermeasures to defeat incoming IR missiles and will provide a limited ability to warn aircrews of incoming unguided munitions. The B-Kit consists of the components which perform the missile detection and aircrew notification, unguided munitions detection and aircrew notification, false alarm rejection, hostile missile declaration, and countermeasure employment functions of the system. The CMWS Electronic Control Unit (ECU) receives UV missile detection data from Electro-optic Missile Sensors (EOMS) and sends a missile alert signal to alert crewmen via on-board avionics. Tier 1 threat missiles detected and tracked by the CMWS are subsequently defeated by a combination of missile seeker countermeasures, including decoy flares and IR Laser Jamming (CH-47 platform only). In addition, the CMWS ECU receives detections of unguided munitions which it then passes to the aircrew through aural and visual cues. The aircrew then applies the appropriate Tactics Techniques and Procedures (TTPs) to break contact or engage the enemy with on ship ordnance. The CMWS Generation 3 (Gen 3) ECU will meet Tier 1 requirements while retaining a low false alarm rate. The Gen 3 ECU is required to obtain a Full Material Release (FMR) for CMWS and ensure protection against emerging IR guided missile threats.

The A-Kit for CMWS includes mounting hardware, wiring harnesses, cables, and other components necessary to install and interface the mission kit on host aircraft. The A-Kit ensures the mission kit is functionally and physically operational with a specific host aircraft type.

CMWS will continue to spend RDT&E funds on the next generation sensor studies, new algorithm updates (Tier 2/3 upgrades) to counter new variants, missiles, and program security initiatives. The sensor studies will evaluate current CMWS technology as compared to the Navy Joint Allied Threat Awareness System (JATAS) program and other service missile warning systems and look at the pros and cons of UV missile warning sensors compared to infrared missile warning sensors for Army aircraft. The study will also examine other technologies to possibly enhance the CMWS UV sensor with either an IR or acoustic adjunct to determine possible cost savings to the United States Government (USG).

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3517 - CMWS
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**
Other Related Program Elements: 0604274A	
MDAP/MAIS Code(s):	

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	104.251	127.751	126.869	-	126.869	149.073	192.472	155.324	50.107

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
AZ3517 - CMWS	P5, P5A, P21		-	-	-	-	-	104.251	-	-	127.751	-	-	126.869	-	-	-	-	-	126.869
Total Gross/Weapon System Cost					**-**			**104.251**			**127.751**			**126.869**			**-**			**126.869**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
AZ3517 - CMWS	P5, P5A, P21		-	-	-	-	-	-	-	-	-	-	-	-	Continuing			Continuing		
Total Gross/Weapon System Cost					**149.073**			**192.472**			**155.324**			**50.107**	**Continuing**			**Continuing**		

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

Fiscal Year (FY)14 Base procurement dollars in the amount of $126.869 million supports CMWS recurring production of Gen 3 ECUs, A-Kit procurement and installation, software upgrade efforts required to achieve full material release, associated system test and evaluation efforts, training simulator upgrades, and integration with other ASE systems.

All COMPO 1 Active

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

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3517 - CMWS	**Item Nomenclature (*Item Number - Item Name, DODIC*):** AZ3517 - CMWS

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	-	104.251	127.751	126.869	-	126.869	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	104.251	127.751	126.869	-	126.869	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**104.251**	**127.751**	**126.869**	**-**	**126.869**	**-**	**-**	**-**	**-**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
† CMWS A-Kit Fixed Wing Procurement		-	-	-	-	-	-	-	-	-	446.000	12	5.348	-	-	-	446.000	12	5.348
CMWS A-Kit Fixed Wing Installation		-	-	-	-	-	-	-	-	-	-	-	5.970	-	-	-	-	-	5.970
† CMWS A-Kit Rotary Wing Procurement		-	-	-	-	-	-	291.000	84	24.457	-	-	-	-	-	-	-	-	-
CMWS A-Kit Rotary Wing Installation		-	-	-	-	-	-	-	-	12.247	-	-	11.652	-	-	-	-	-	11.652
Other Recurring Production (Software)		-	-	-	-	-	30.410	-	-	19.603	-	-	41.162	-	-	-	-	-	41.162
Engineering Changes		-	-	-	-	-	-	-	-	-	-	-	6.640	-	-	-	-	-	6.640
Systems Engineering/ Program Management		-	-	-	-	-	15.759	-	-	13.652	-	-	12.687	-	-	-	-	-	12.687
Systems Test and Evaluation		-	-	-	-	-	4.500	-	-	12.404	-	-	9.049	-	-	-	-	-	9.049
Total Recurring Cost				-			*50.669*			*82.363*			*92.508*			-			*92.508*
Non Recurring Cost																			
Non-recurring Production		-	-	-	-	-	0.500	-	-	-	-	-	-	-	-	-	-	-	-
Total Non Recurring Cost				-			*0.500*			-			-			-			-

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3517 - CMWS	**Item Nomenclature (*Item Number - Item Name, DODIC*):** AZ3517 - CMWS

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Total Flyaway Cost				-			*51.169*			*82.363*			*92.508*			-			*92.508*
Support Cost																			
Training		-	-	-	-	-	2.127	-	-	1.000	-	-	3.756	-	-	-	-	-	3.756
Fielding		-	-	-	-	-	0.368	-	-	1.451	-	-	0.772	-	-	-	-	-	0.772
Data		-	-	-	-	-	0.070	-	-	-	-	-	-	-	-	-	-	-	-
Other Modifications		-	-	-	-	-	0.595	-	-	1.079	-	-	0.143	-	-	-	-	-	0.143
† CMWS Gen 3 ECU Hardware		-	-	-	166.000	301	49.922	139.000	301	41.858	183.000	162	29.690	-	-	-	183.000	162	29.690
Other Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Support Cost				-			*53.082*			*45.388*			*34.361*			-			*34.361*
Gross Weapon System Cost				**-**			**104.251**			**127.751**			**126.869**			**-**			**126.869**

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Flyaway Cost																			
Recurring Cost																			
† CMWS A-Kit Fixed Wing Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CMWS A-Kit Fixed Wing Installation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† CMWS A-Kit Rotary Wing Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CMWS A-Kit Rotary Wing Installation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Recurring Production (Software)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Systems Engineering/ Program Management		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Systems Test and Evaluation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Non Recurring Cost																			
Non-recurring Production		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Non Recurring Cost				-			-			-			-			-			-

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3517 - CMWS	**Item Nomenclature (*Item Number - Item Name, DODIC*):** AZ3517 - CMWS

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Total Flyaway Cost				-			-			-			-			-			-
Support Cost																			
Training		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Modifications		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† CMWS Gen 3 ECU Hardware		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Support Cost				-			-			-			-			-			-
Gross Weapon System Cost				**-**			**-**			**-**			**-**	**Continuing**			**Continuing**		

P-5 Remarks:

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	104.251	127.751	126.869	-	126.869	-	-	-	-

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3517 - CMWS	**Item Nomenclature:** AZ3517 - CMWS

Cost Elements († indicates the presence of a P-21)	OCO	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†CMWS A-Kit Fixed Wing Procurement		2014	Various / Various	SS / FFP	CECOM, APG	Sep 2013	Jun 2014	12	446.000			
†CMWS A-Kit Rotary Wing Procurement		2013	Various / Various	SS / CPFF	CECOM, APG	Dec 2012	Jun 2013	84	291.000			
†CMWS Gen 3 ECU Hardware		2012	BAE Systems / Nashua, NH	SS / FFP	CECOM, APG	Mar 2013	Dec 2013	301	166.000	N		
†CMWS Gen 3 ECU Hardware		2013	BAE Systems / Nashua, NH	SS / FFP	AMCOM Contracting Command, RSA	Oct 2013	Jul 2014	301	139.000	N		
†CMWS Gen 3 ECU Hardware		2014	BAE Systems / Nashua, NH	SS / FFP	AMCOM Contracting Command, RSA	Jun 2014	Mar 2015	162	183.000			

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3517 - CMWS	**Item Nomenclature:** AZ3517 - CMWS

Cost Elements (Units in Each)							Fiscal Year 2013												Fiscal Year 2014											
										Calendar Year 2013														Calendar Year 2014								
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
CMWS A-Kit Fixed Wing Procurement																														
	1	2014	ARMY (XXVI)	12	-	12	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	2	2	2	2	4
CMWS A-Kit Rotary Wing Procurement																														
	2	2013	ARMY	84	-	84	-	-	A -	-	-	-	-	-	11	11	11	11	11	11	11	7									-
CMWS Gen 3 ECU Hardware																														
	3	2012	ARMY	301	-	301	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	30	30	30	30	30	30	30	30	30	31	-
	3	2013	ARMY (XXVII)	301	-	301	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	30	30	30	211
	3	2014	ARMY (XXVIII)	162	-	162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	162
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3517 - CMWS	**Item Nomenclature:** AZ3517 - CMWS

Cost Elements (Units in Each)							Fiscal Year 2015												Fiscal Year 2016											
							Calendar Year 2015												Calendar Year 2016												
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
CMWS A-Kit Fixed Wing Procurement																														
	1	2014	ARMY (XXVI)	12	8	4	2	2																						-
CMWS A-Kit Rotary Wing Procurement																														
	2	2013	ARMY	84	84	-																								-
CMWS Gen 3 ECU Hardware																														
	3	2012	ARMY	301	301	-																								-
	3	2013	ARMY (XXVII)	301	90	211	30	30	30	30	30	30	30	1																-
	3	2014	ARMY (XXVIII)	162	-	162	-	-	-	-	-	30	30	30	30	30	12														-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 10: Ground Support Avionics	**P-1 Line Item Nomenclature:** AZ3517 - CMWS	**Item Nomenclature:** AZ3517 - CMWS

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR #	MFR Name - Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Various - Various	11.00	300.00	800.00	3	3	12	15	2	2	9	11
2	Various - Various	11.00	300.00	800.00	3	3	12	15	2	2	9	11
3	BAE Systems - Nashua, NH	24.00	600.00	1,000.00	6	6	6	12	6	6	6	12

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

Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

Service/Agency Suffixes:

(XXVI) BASE

(XXVII) BASE

(XXVIII) BASE

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3000 - Avionics Support Equipment

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

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	568	415	705	-	705	702	703	332	-	Continuing	Continuing
Gross/Weapon System Cost *($ in Millions)*	495.639	4.840	4.886	6.809	-	6.809	6.910	7.044	7.177	7.199	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	495.639	4.840	4.886	6.809	-	6.809	6.910	7.044	7.177	7.199	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**495.639**	**4.840**	**4.886**	**6.809**	**-**	**6.809**	**6.910**	**7.044**	**7.177**	**7.199**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	9.658	-	9.658	-	-	-	-	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

Consists of a family of avionics support equipment. Current program consists of the Aviators' Night Vision Imaging System (ANVIS).

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	568	415	705	-	705	702	703	332	-
	Total Obligation Authority	4.840	4.886	6.809	-	6.809	6.910	7.044	7.177	7.199

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
K35601 - ANVIS	P5, P5A, P21	A	-	-	495.639	-	568	4.840	-	415	4.886	9.658	705	6.809	-	-	-	9.658	705	6.809
Total Gross/Weapon System Cost					**495.639**			**4.840**			**4.886**			**6.809**			**-**			**6.809**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3000 - Avionics Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**	**Other Related Program Elements:**
MDAP/MAIS Code(s):		

FY 2014 Base procurement dollars in the amount of $6.809 million supports the procurement of 705 AN/AVS-6(V)3 systems for fielding to Active Units. The increased capability of the AN/AVS-6(V)3 yields enhanced mission performance and improved safety of flight, compared to what is now possible using previous AN/AVS-6 systems. The AN/AVS-6(V)3 enhances the survivability, lethality, and tactical mobility for aviators.

All COMPO 1 Active

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

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3000 - Avionics Support Equipment	**Item Nomenclature (*Item Number - Item Name, DODIC*):** K35601 - ANVIS

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total
Procurement Quantity *(Units in Each)*	-	568	415	705	-	705
Gross/Weapon System Cost *($ in Millions)*	495.639	4.840	4.886	6.809	-	6.809
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	495.639	4.840	4.886	6.809	-	6.809
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**495.639**	**4.840**	**4.886**	**6.809**	**-**	**6.809**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	9.658	-	9.658

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
† ANVIS		6.215	10,172	63.214	6.655	568	3.780	9.330	415	3.872	7.803	705	5.501	-	-	-	7.803	705	5.501
Engineering Support		-	-	3.680	-	-	0.281	-	-	0.179	-	-	0.324	-	-	-	-	-	0.324
Project Management Admin		-	-	5.063	-	-	0.440	-	-	0.417	-	-	0.476	-	-	-	-	-	0.476
Engineering Change Orders		-	-	0.385	-	-	-	-	-	0.050	-	-	0.052	-	-	-	-	-	0.052
Fielding		-	-	0.965	-	-	0.339	-	-	0.368	-	-	0.456	-	-	-	-	-	0.456
Total Recurring Cost				*73.307*			*4.840*			*4.886*			*6.809*			-			*6.809*
Total Flyaway Cost				*73.307*			*4.840*			*4.886*			*6.809*			-			*6.809*
Gross Weapon System Cost				**495.639**			**4.840**			**4.886**			**6.809**			**-**			**6.809**

P-5 Remarks:

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Army	Quantity	568	415	705	-	705
	Total Obligation Authority	4.840	4.886	6.809	-	6.809

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3000 - Avionics Support Equipment	**Item Nomenclature:** K35601 - ANVIS

Cost Elements († indicates the presence of a P-21)	OCO	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†ANVIS		2012	Exelis / Roanoke, VA	C / IDIQ	ACC APG	Sep 2012	Dec 2012	286	6.610	N		
†ANVIS		2012	L-3 / Tempe, AZ	C / IDIQ	ACC APG	Sep 2012	Dec 2012	282	6.700	N		
†ANVIS		2013	TBS / TBD	C / IDIQ	ACC APG	Dec 2012	Jul 2013	415	9.330	N		
†ANVIS		2014	TBS / TBD	C / IDIQ	ACC APG	Dec 2013	Jul 2014	705	7.803	N		

Remarks:

Each delivery order made under these contracts is competed among the 2 manufacturers on the basis of best cost, available schedule, and performance. Therefore, a determination of the quantity per manufacturer to be awarded to each is made after reviewing this information at the time of each delivery order.

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3000 - Avionics Support Equipment	**Item Nomenclature:** K35601 - ANVIS

Cost Elements (Units in Each)							Fiscal Year 2012												Fiscal Year 2013											
										Calendar Year 2012														Calendar Year 2013									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
ANVIS																														
	1	2012	ARMY (XXIX)	286	-	286	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	25	25	50	50	50	50	36				-
	2	2012	ARMY (XXX)	282	-	282	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	25	25	50	50	50	50	32				-
	1	**2012**	**TOTAL**	**286**	**-**	**286**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**25**	**25**	**50**	**50**	**50**	**50**	**36**				**-**
	3	2013	ARMY (XXXI)	415	-	415	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	30	35	35	315
	3	2014	ARMY (XXXII)	705	-	705	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	705
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3000 - Avionics Support Equipment	**Item Nomenclature:** K35601 - ANVIS

Cost Elements (Units in Each)							Fiscal Year 2014												Fiscal Year 2015											
										Calendar Year 2014													Calendar Year 2015									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
ANVIS																														
	1	2012	ARMY (XXIX)	286	286	-																								-
	2	2012	ARMY (XXX)	282	282	-																								-
	1	**2012**	**TOTAL**	**286**	**286**	**-**																								**-**
	3	2013	ARMY (XXXI)	415	100	315	35	35	35	35	35	35	35	35	35															-
	3	2014	ARMY (XXXII)	705	-	705	-	-	A -	-	-	-	-	-	-	58	58	58	59	59	59	59	59	59	59	59	59				-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3000 - Avionics Support Equipment	**Item Nomenclature:** K35601 - ANVIS

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR #	MFR Name - Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Exelis - Roanoke, VA	25.00	125.00	250.00	4	11	3	14	4	2	7	9
2	L-3 - Tempe, AZ	25.00	125.00	250.00	4	2	7	9	4	2	7	9
3	TBS - TBD	25.00	125.00	250.00	4	2	7	9	4	2	7	9

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

Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

Service/Agency Suffixes:

(XXIX) BASE

(XXX) BASE

(XXXI) BASE

(XXXII) BASE

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3100 - Common Ground Equipment
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**
MDAP/MAIS Code(s):	**Other Related Program Elements:** 0603801A

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1,434.040	114.517	82.511	65.397	-	65.397	56.445	57.984	51.088	59.779	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1,434.040	114.517	82.511	65.397	-	65.397	56.445	57.984	51.088	59.779	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,434.040**	**114.517**	**82.511**	**65.397**	**-**	**65.397**	**56.445**	**57.984**	**51.088**	**59.779**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

FY 2014 Base procurement dollars in the amount of $65.397 million supports and provides various types of ground support equipment.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	114.517	82.511	65.397	-	65.397	56.445	57.984	51.088	59.779

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
AZ3520 - AVIATION GROUND SUPPORT EQUIPMENT	P5		-	-	871.961	-	-	114.517	-	-	82.511	-	-	65.397	-	-	-	-	-	65.397
Total Gross/Weapon System Cost					**1,434.040**			**114.517**			**82.511**			**65.397**			**-**			**65.397**

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3100 - Common Ground Equipment

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0603801A

MDAP/MAIS Code(s):

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
AZ3520 - AVIATION GROUND SUPPORT EQUIPMENT	P5		-	-	-	-	-	-	-	-	-	-	-	-	Continuing			Continuing		
Total Gross/Weapon System Cost					**56.445**			**57.984**			**51.088**			**59.779**	**Continuing**			**Continuing**		

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:
All COMPO 1 Active.

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

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3100 - Common Ground Equipment	**Item Nomenclature (*Item Number - Item Name, DODIC*):** AZ3520 - AVIATION GROUND SUPPORT EQUIPMENT

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	871.961	114.517	82.511	65.397	-	65.397	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	871.961	114.517	82.511	65.397	-	65.397	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**871.961**	**114.517**	**82.511**	**65.397**	**-**	**65.397**	**-**	**-**	**-**	**-**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
Aviation Ground Power Unit (AGPU)		-	-	-	-	-	62.936	-	-	13.787	-	-	3.998	-	-	-	-	-	3.998
Avn Light Utility Mobile Maint (ALUMMC)		-	-	84.661	-	-	-	-	-	3.159	-	-	9.638	-	-	-	-	-	9.638
Avn Intermediate Maint (AVIM) Shop Sets		-	-	-	-	-	20.413	-	-	12.201	-	-	8.273	-	-	-	-	-	8.273
Avn Unit Maintenance (AVUM)/(A92)		-	-	-	-	-	-	-	-	16.297	-	-	-	-	-	-	-	-	-
Modernized Maintenance Platforms		-	-	-	-	-	-	-	-	2.633	-	-	6.168	-	-	-	-	-	6.168
Battle Damage Assess Repair (BDAR) II		-	-	-	-	-	5.475	-	-	2.345	-	-	0.592	-	-	-	-	-	0.592
Common Aviation Tool System (CATS)		-	-	40.815	-	-	-	-	-	21.188	-	-	14.851	-	-	-	-	-	14.851
Flexible Engine Diagnostics Sys (FEDS)		-	-	1.206	-	-	12.389	-	-	5.622	-	-	17.292	-	-	-	-	-	17.292

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3100 - Common Ground Equipment	**Item Nomenclature (*Item Number - Item Name, DODIC*):** AZ3520 - AVIATION GROUND SUPPORT EQUIPMENT

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Digital Aircraft Weighing Scale (DAWS)		-	-	-	-	-	-	-	-	-	-	-	0.700	-	-	-	-	-	0.700
Standard Aircraft Towing System (SATS)		-	-	28.216	-	-	2.979	-	-	-	-	-	-	-	-	-	-	-	-
Shop Equipment Contact Maint (SECM)		-	-	-	-	-	3.155	-	-	-	-	-	-	-	-	-	-	-	-
Swaging Tool Kits		-	-	12.706	-	-	-	-	-	1.921	-	-	-	-	-	-	-	-	-
Unit Maint Aerial Recovery Kit (UMARK)		-	-	6.675	-	-	3.883	-	-	-	-	-	-	-	-	-	-	-	-
Program Management Support		-	-	252.866	-	-	3.287	-	-	3.358	-	-	3.885	-	-	-	-	-	3.885
Total Recurring Cost				*427.145*			*114.517*			*82.511*			*65.397*			-			*65.397*
Total Flyaway Cost				*427.145*			*114.517*			*82.511*			*65.397*			-			*65.397*
Gross Weapon System Cost				**871.961**			**114.517**			**82.511**			**65.397**			**-**			**65.397**

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Flyaway Cost																			
Recurring Cost																			
Aviation Ground Power Unit (AGPU)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Avn Light Utility Mobile Maint (ALUMMC)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Avn Intermediate Maint (AVIM) Shop Sets		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Avn Unit Maintenance (AVUM)/(A92)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Modernized Maintenance Platforms		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Battle Damage Assess Repair (BDAR) II		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3100 - Common Ground Equipment	**Item Nomenclature (*Item Number - Item Name, DODIC*):** AZ3520 - AVIATION GROUND SUPPORT EQUIPMENT

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Common Aviation Tool System (CATS)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flexible Engine Diagnostics Sys (FEDS)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Digital Aircraft Weighing Scale (DAWS)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Aircraft Towing System (SATS)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shop Equipment Contact Maint (SECM)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Swaging Tool Kits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unit Maint Aerial Recovery Kit (UMARK)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Program Management Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Total Flyaway Cost				-			-			-			-			-			-
Gross Weapon System Cost				-			-			-			-	**Continuing**			**Continuing**		

P-5 Remarks:

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	114.517	82.511	65.397	-	65.397	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3110 - Aircrew Integrated Systems
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**
MDAP/MAIS Code(s):	**Other Related Program Elements:** 0603827A, 0604601A

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	474.106	62.746	77.381	45.841	-	45.841	16.347	14.080	0.008	2.920	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	474.106	62.746	77.381	45.841	-	45.841	16.347	14.080	0.008	2.920	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**474.106**	**62.746**	**77.381**	**45.841**	**-**	**45.841**	**16.347**	**14.080**	**0.008**	**2.920**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

Air Warrior survival and mission equipment improves the combat effectiveness of Army aircrew members. Components include Clothing and Individual Equipment; a Microclimate Cooling System; an Aircrew Integrated Helmet System; laser eye and chemical-biological protection; tailored body armor; overwater survival gear; and survival, escape, and evasion tools; the Electronic Data Manager (EDM) provides a digital moving map w/tactical overlays and an interface to Blue Force Tracking (BFT) in the form of a digital kneeboard; the Encrypted Aircraft Wireless Intercom System (EAWIS); a Portable Helicopter Oxygen Delivery System (PHODS) worn by the crewmember to safely conduct high altitude missions; a grab-and-go Survival Kit, Ready Access, Modular (SKRAM); and a Communication Enhancement/ Protection System (CEPS) that provides an external audio capability without the need to remove the flight helmet. The phased Air Warrior replacement is the Air Soldier System (Air SS), a systems-level approach to significantly reduce weight and bulk and enhance safety, survivability, mission duration, and situational awareness. The Air SS will be delivered in two sub-increments and combines cold and hot weather protection functionality while reducing protective clothing and body armor layers without compromising protection; reduces the number of batteries, displays and user interfaces to the aircraft; combines separate communications functionalities, displays, and computer processors; enhances situational awareness and safety through an improved helmet mounted display with three dimensional symbology for flight in Degraded Visual Environments (DVE); and improves laser eye protection. Select components of the Air Warrior program will be modified through ECP and integrated into the Air Soldier baseline. The Personnel Recovery Support System (PRSS) program includes the modification, integration, procurement, and fielding of platform interoperability systems to provide a significantly enhanced ability to respond to occurrences of isolated, missing, detained, or captured Soldiers.

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

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3110 - Aircrew Integrated Systems
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**
Other Related Program Elements: 0603827A, 0604601A	
MDAP/MAIS Code(s):	

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	62.746	77.381	45.841	-	45.841	16.347	14.080	0.008	2.920

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
AZ3110 - Aircrew Integrated Systems	P5, P5A, P21		-	-	474.106	-	-	62.746	-	-	77.381	-	-	45.841	-	-	-	-	-	45.841
Total Gross/Weapon System Cost					**474.106**			**62.746**			**77.381**			**45.841**			**-**			**45.841**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
AZ3110 - Aircrew Integrated Systems	P5, P5A, P21		-	-	-	-	-	-	-	-	-	-	-	-	Continuing			Continuing		
Total Gross/Weapon System Cost					**16.347**			**14.080**			**0.008**			**2.920**	**Continuing**			**Continuing**		

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY2014 Base procurement dollars in the amount of $45.841 million supports production and fielding of Air SS sub-increment 1a Soldier kits consisting of a Common Helmet Mounted Display System with head tracker and DVE symbology, a Personal Electronics and Computer Display System, an Integrated Soldier Power and Data System, a Layered Clothing Ensemble with light weight body armor and 72 Hour survival equipment, and a Light Weight Environmental Control System. These funds procure Air Soldier sub-increment 1a aircraft kits consisting of the platform-mounted components necessary for aircraft interface with the Air Soldier; the integration of Air Warrior ECPs and installation of Air Warrior and Air Soldier aircraft kits. These funds also will procure Personnel Recovery Support System (PRSS) platform interoperability hardware components and software improvements.

Funding procures equipment and materiel to support a balanced investment strategy for the Army's approved force structure and Army Force Generation (ARFORGEN) requirements.

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3110 - Aircrew Integrated Systems	**Item Nomenclature (*Item Number - Item Name, DODIC*):** AZ3110 - Aircrew Integrated Systems

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	474.106	62.746	77.381	45.841	-	45.841	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	474.106	62.746	77.381	45.841	-	45.841	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**474.106**	**62.746**	**77.381**	**45.841**	**-**	**45.841**	**-**	**-**	**-**	**-**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
† Air Warrior Microclimate Cooling Units		7.666	8,853	67.867	3.000	100	0.300	3.090	100	0.309	-	-	-	-	-	-	-	-	-
† Electronic Data Mgr (EDM)		8.689	2,830	24.589	8.112	1,500	12.168	-	-	-	-	-	-	-	-	-	-	-	-
† Encrypt Acft Wrless Intercom Sys (EAWIS)		9.196	342	3.145	18.565	832	15.446	14.882	1,212	18.037	-	-	-	-	-	-	-	-	-
† Air Warrior Airframe Kits		8.100	904	7.322	4.300	1,181	5.078	4.072	1,828	7.443	-	-	-	-	-	-	-	-	-
Airframe Kit Installs		-	-	-	-	-	8.838	-	-	11.266	-	-	-	-	-	-	-	-	-
† Survival Kit, Ready Access, Modular		0.201	2,000	0.402	0.142	9,450	1.339	0.079	7,203	0.566	-	-	-	-	-	-	-	-	-
† Communication Enhance/Protect Sys (CEPS)		-	-	-	0.350	4,000	1.400	0.350	4,000	1.400	-	-	-	-	-	-	-	-	-
† Day/Night Helmet Mounted Displays		-	-	-	-	-	-	24.217	908	21.989	-	-	-	-	-	-	-	-	-
† PRSS Platform Modifications		-	-	-	400.000	6	2.400	854.000	2	1.708	-	-	2.481	-	-	-	-	-	2.481

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3110 - Aircrew Integrated Systems	**Item Nomenclature (*Item Number - Item Name, DODIC*):** AZ3110 - Aircrew Integrated Systems

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
† AW ECP's Supporting Air SS Reqmts		-	-	-	-	-	-	-	-	-	7.020	1,674	11.752	-	-	-	7.020	1,674	11.752
† Air SS Sub Increment 1a Soldier Kits		-	-	-	-	-	-	-	-	-	8.273	1,674	13.849	-	-	-	8.273	1,674	13.849
† Air SS Sub Increment 1a Airframe Kits		-	-	0.741	-	-	-	-	-	-	21.638	301	6.513	-	-	-	21.638	301	6.513
Airframe Kit Install		-	-	3.925	-	-	-	-	-	-	-	-	1.500	-	-	-	-	-	1.500
Manual		-	-	13.387	-	-	0.206	-	-	0.210	-	-	0.279	-	-	-	-	-	0.279
New Equipment Training		-	-	0.304	-	-	1.112	-	-	1.142	-	-	0.300	-	-	-	-	-	0.300
Initial Spares		-	-	4.390	-	-	0.921	-	-	0.948	-	-	1.748	-	-	-	-	-	1.748
Support Equipment		-	-	7.849	-	-	0.223	-	-	0.227	-	-	0.223	-	-	-	-	-	0.223
Systems Test and Evaluation		-	-	12.239	-	-	1.221	-	-	1.245	-	-	-	-	-	-	-	-	-
Nonrecurring Engineering (NRE)		-	-	24.942	-	-	1.224	-	-	1.248	-	-	-	-	-	-	-	-	-
PRSS Interoperability Engineering		-	-	55.102	-	-	2.868	-	-	1.451	-	-	1.400	-	-	-	-	-	1.400
Engineering Changes		-	-	5.784	-	-	0.517	-	-	0.535	-	-	-	-	-	-	-	-	-
Systems Integration Engineering		-	-	4.480	-	-	0.734	-	-	0.789	-	-	0.300	-	-	-	-	-	0.300
Program Management & Matrix Support		-	-	5.269	-	-	5.126	-	-	5.223	-	-	5.438	-	-	-	-	-	5.438
Total Package Fielding		0.118	2,740	0.322	-	-	0.875	-	-	0.900	-	-	0.058	-	-	-	-	-	0.058
Contract Logistics Support		0.196	2,742	0.537	-	-	0.750	-	-	0.745	-	-	-	-	-	-	-	-	-
Total Recurring Cost				*242.596*			*62.746*			*77.381*			*45.841*			-			*45.841*
Total Flyaway Cost				*242.596*			*62.746*			*77.381*			*45.841*			-			*45.841*
Gross Weapon System Cost				**474.106**			**62.746**			**77.381**			**45.841**			**-**			**45.841**

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Flyaway Cost																			

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3110 - Aircrew Integrated Systems	**Item Nomenclature (*Item Number - Item Name, DODIC*):** AZ3110 - Aircrew Integrated Systems

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Recurring Cost																			
† Air Warrior Microclimate Cooling Units		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† Electronic Data Mgr (EDM)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† Encrypt Acft Wrless Intercom Sys (EAWIS)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† Air Warrior Airframe Kits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Airframe Kit Installs		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† Survival Kit, Ready Access, Modular		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† Communication Enhance/Protect Sys (CEPS)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† Day/Night Helmet Mounted Displays		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† PRSS Platform Modifications		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† AW ECP's Supporting Air SS Reqmts		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† Air SS Sub Increment 1a Soldier Kits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† Air SS Sub Increment 1a Airframe Kits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Airframe Kit Install		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manual		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Equipment Training		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Initial Spares		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Systems Test and Evaluation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonrecurring Engineering (NRE)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRSS Interoperability Engineering		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3110 - Aircrew Integrated Systems	**Item Nomenclature (*Item Number - Item Name, DODIC*):** AZ3110 - Aircrew Integrated Systems

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Systems Integration Engineering		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Program Management & Matrix Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Package Fielding		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contract Logistics Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Total Flyaway Cost				-			-			-			-			-			-
Gross Weapon System Cost				-			-			-			-	**Continuing**			**Continuing**		

P-5 Remarks:

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	62.746	77.381	45.841	-	45.841	-	-	-	-

Exhibit P-5A, Budget Procurement History and Planning: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3110 - Aircrew Integrated Systems	**Item Nomenclature:** AZ3110 - Aircrew Integrated Systems

Cost Elements († indicates the presence of a P-21)	OCO	FY	Contractor and Location	Method/Type, or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
†Air Warrior Microclimate Cooling Units		2012	Carleton Technologies, Inc. / Orchard Park, NY	C / FFP	Redstone Arsenal, AL	Mar 2012	Jun 2012	100	3.000	N		
†Air Warrior Microclimate Cooling Units		2013	Carleton Technologies, Inc. / Orchard Park, NY	C / FFP	Redstone Arsenal, AL	Mar 2013	Jun 2013	100	3.090	N		
†Electronic Data Mgr (EDM)		2012	Raytheon / Indianapolis, IN	C / FFP	Redstone Arsenal. AL	Dec 2011	Apr 2012	1,500	8.112	N		
†Encrypt Acft Wrless Intercom Sys (EAWIS)		2012	Telephonics / Farmingdale, NY	SS / FFP	Redstone Arsenal, AL	Jun 2012	Sep 2012	832	18.565	N		Mar 2012
†Encrypt Acft Wrless Intercom Sys (EAWIS)		2013	Telephonics / Farmingdale, NY	SS / FFP	Redstone Arsenal,AL	Mar 2013	Jun 2013	1,212	14.882	N		
†Air Warrior Airframe Kits		2012	Westwind Corporation / Huntsville, AL	C / FFP	Redstone Arsenal, AL	Dec 2011	Mar 2012	1,181	4.300	N		
†Air Warrior Airframe Kits		2013	Westwind Corporation / Huntsville, AL	C / FFP	Redstone Arsenal, AL	Dec 2012	Mar 2013	1,828	4.072	N		
Survival Kit, Ready Access, Modular		2012	ADS / Virginia Beach, VA	C / FFP	Redstone Arsenal, AL	Aug 2012	Dec 2012	9,450	0.142	N		
Survival Kit, Ready Access, Modular		2013	TBD / TBD	C / FFP	TBD	Mar 2013	Jul 2013	7,203	0.079	N		
Communication Enhance/Protect Sys (CEPS)		2012	Communications & Ear Protectio / Enterprise, AL	C / FFP	Redstone Arsenal, AL	Jun 2012	Jul 2012	4,000	0.350	N		Jul 2010
Communication Enhance/Protect Sys (CEPS)		2013	Communications & Ear Protectio / Enterprise, AL	C / FFP	Redstone Arsenal, AL	Mar 2013	Apr 2013	4,000	0.350	N		
Day/Night Helmet Mounted Displays		2013	EFW, Inc / Fort Worth, TX	C / FFP	Redstone Arsenal, AL	Apr 2013	Oct 2013	908	24.217	N		
PRSS Platform Modifications		2012	Sandia National Labs / Albuquerque, NM	C / FFP	Albuquerque, NM	Aug 2012	Aug 2013	6	400.000	N		
PRSS Platform Modifications		2013	Sandia National Labs / Albuquerque, NM	C / FFP	Albuquerque, NM	Mar 2013	Mar 2014	2	854.000	N		
†AW ECP's Supporting Air SS Reqmts		2014	Various / TBD	C / FFP	Redstone Arsenal, AL	Jan 2014	Jul 2014	1,674	7.020	N		
†Air SS Sub Increment 1a Soldier Kits		2014	Various / TBD	C / FFP	Redstone Arsenal, AL	Jun 2014	Dec 2014	1,674	8.273	N		
†Air SS Sub Increment 1a Airframe Kits		2014	Various / TBD	C / FFP	Redstone Arsenal, AL	Jun 2014	Dec 2014	301	21.638	N		

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3110 - Aircrew Integrated Systems	**Item Nomenclature:** AZ3110 - Aircrew Integrated Systems

Cost Elements (Units in Each)							Fiscal Year 2012												Fiscal Year 2013											
							Calendar Year 2012												Calendar Year 2013												
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Air Warrior Microclimate Cooling Units																														
	1	2012	ARMY	100	-	100	-	-	-	-	-	A -	-	-	50	50															-
	1	2013	ARMY	100	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	50	50			-
Electronic Data Mgr (EDM)																														
	2	2012	ARMY	1,500	-	1,500	-	-	A -	-	-	-	84	84	84	84	84	84	166	166	166	166	166	166								-
Encrypt Acft Wrless Intercom Sys (EAWIS)																														
	3	2012	ARMY	832	-	832	-	-	-	-	-	-	-	-	A -	-	-	65	68	68	68	68	68	68	68	68	73	73	77		-
	3	2013	ARMY	1,212	-	1,212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	101	101	101	101	808
Air Warrior Airframe Kits																														
	4	2012	ARMY	1,181	-	1,181	-	-	A -	-	-	94	94	94	94	94	94	94	94	94	94	104	137								-
	4	2013	ARMY	1,828	-	1,828	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	152	152	152	152	152	152	152	764
AW ECP's Supporting Air SS Reqmts																														
	5	2014	ARMY	1,674	-	1,674	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,674
Air SS Sub Increment 1a Soldier Kits																														
	6	2014	ARMY	1,674	-	1,674	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,674
Air SS Sub Increment 1a Airframe Kits																														
	7	2014	ARMY	301	-	301	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	301
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3110 - Aircrew Integrated Systems	**Item Nomenclature:** AZ3110 - Aircrew Integrated Systems

Cost Elements (Units in Each)							Fiscal Year 2014												Fiscal Year 2015											
							Calendar Year 2014												Calendar Year 2015												
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Air Warrior Microclimate Cooling Units																														
	1	2012	ARMY	100	100	-																								-
	1	2013	ARMY	100	100	-																								-
Electronic Data Mgr (EDM)																														
	2	2012	ARMY	1,500	1,500	-																								-
Encrypt Acft Wrless Intercom Sys (EAWIS)																														
	3	2012	ARMY	832	832	-																								-
	3	2013	ARMY	1,212	404	808	101	101	101	101	101	101	101	101																-
Air Warrior Airframe Kits																														
	4	2012	ARMY	1,181	1,181	-																								-
	4	2013	ARMY	1,828	1,064	764	152	152	152	154	154																			-
AW ECP's Supporting Air SS Reqmts																														
	5	2014	ARMY	1,674	-	1,674	-	-	-	A -	-	-	-	-	-	140	140	140	140	140	140	140	140	140	140	140	134				-
Air SS Sub Increment 1a Soldier Kits																														
	6	2014	ARMY	1,674	-	1,674	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	139	139	139	140	140	140	140	140	140	140	277
Air SS Sub Increment 1a Airframe Kits																														
	7	2014	ARMY	301	-	301	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	25	25	25	25	25	25	25	25	25	51
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3110 - Aircrew Integrated Systems	**Item Nomenclature:** AZ3110 - Aircrew Integrated Systems

Cost Elements (Units in Each)							Fiscal Year 2016												Fiscal Year 2017											
										Calendar Year 2016														Calendar Year 2017									
OCO	MFR #	FY	SERVICE‡	PROC QTY	ACCEP PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
Air Warrior Microclimate Cooling Units																														
	1	2012	ARMY	100	100	-																								-
	1	2013	ARMY	100	100	-																								-
Electronic Data Mgr (EDM)																														
	2	2012	ARMY	1,500	1,500	-																								-
Encrypt Acft Wrless Intercom Sys (EAWIS)																														
	3	2012	ARMY	832	832	-																								-
	3	2013	ARMY	1,212	1,212	-																								-
Air Warrior Airframe Kits																														
	4	2012	ARMY	1,181	1,181	-																								-
	4	2013	ARMY	1,828	1,828	-																								-
AW ECP's Supporting Air SS Reqmts																														
	5	2014	ARMY	1,674	1,674	-																								-
Air SS Sub Increment 1a Soldier Kits																														
	6	2014	ARMY	1,674	1,397	277	140	137																						-
Air SS Sub Increment 1a Airframe Kits																														
	7	2014	ARMY	301	250	51	25	26																						-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Budget Production Schedule: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3110 - Aircrew Integrated Systems	**Item Nomenclature:** AZ3110 - Aircrew Integrated Systems

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR #	MFR Name - Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Carleton Technologies, Inc. - Orchard Park, NY	38.00	500.00	800.00	4	2	3	5	-	5	3	8
2	Raytheon - Indianapolis, IN	41.00	300.00	500.00	5	4	4	8	-	2	4	6
3	Telephonics - Farmingdale, NY	6.00	250.00	500.00	5	5	3	8	-	8	3	11
4	Westwind Corporation - Huntsville, AL	50.00	400.00	1,500.00	5	9	3	12	-	2	3	5
5	Various - TBD	25.00	160.00	250.00	6	4	6	10	2	4	6	10
6	Various - TBD	25.00	160.00	250.00	6	4	6	10	2	4	6	10
7	Various - TBD	25.00	160.00	250.00	6	4	6	10	2	4	6	10

Remarks:

MFR ID Number of 10 is not used.MFR ID Number of 11 is for Various contractors at various locations.

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

Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 99,999, all quantities are shown as each. If the maximum quantity is between 100,000 and 99,999,499 all quantities are shown in thousands (rounded to the nearest thousand). If the maximum quantity is greater than 99,999,499 all quantities are shown in millions (rounded to the nearest million).

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AA0050 - Air Traffic Control

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604633A
MDAP/MAIS Code(s):		

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	4	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost *($ in Millions)*	993.663	114.844	47.235	79.692	-	79.692	116.026	100.999	101.629	114.227	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	993.663	114.844	47.235	79.692	-	79.692	116.026	100.999	101.629	114.227	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**993.663**	**114.844**	**47.235**	**79.692**	**-**	**79.692**	**116.026**	**100.999**	**101.629**	**114.227**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	11,808.750	-	-	-	-	-	-	-	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

Tactical Air Traffic Control (ATC) equipment includes Air Traffic Navigation Integration and Coordination System (ATNAVICS), Tactical Airspace Integration System (TAIS) to include TAIS Airspace Workstation (AWS), Tactical Terminal Control System (TTCS), and Mobile Tower System (MOTS). ATNAVICS provides all weather instrument flight capabilities to include terminal, radar precision approach and landing services to all Army, Joint, and allied aircraft. ATNAVICS preplanned product improvements (P3I) include Mode 5/S (friend/foe identification), improved radio communications, ATNAVICS/TAIS Air Picture Integration to improve commander situational awareness, Information Assurance and computer and hardware upgrades. TAIS, a digitized battlefield automated system of the Army Mission Command System, performs enroute Air Traffic Services (ATS) and Airspace Command and Control (AC2) at brigade to theater commands. TAIS P3I includes Friendly Force Tracker (FFT) and Link 16/Tactical Digital Information Link (TADIL-J) upgrades that improve the reliability and usability of the air picture. FFT provides a fused air picture from multiple sensors. Link 16/TADIL-J upgrades ensure that TAIS remains compatible with the Department of Defense (DOD) standards for these data links and continues to receive joint air track data from the Link 16 network for situational awareness. TAIS AWS provides for AC2 planning and execution at the Brigade Combat Team (BCT) and above. It is the Army's link to the Theater Battle Management Core System for Joint Airspace Management. TAIS and TAIS AWS provide an automated AC2 and ATS capability for current requirements and Battle Command interfaces. TTCS provides enhanced ATS communications support to aviation assets conducting reconnaissance, maneuver, medical evacuation, logistics, intelligence operations across the battlefield and remote capability up to 1 kilometer. MOTS provides positive air traffic control and aircraft separation for both air and ground operations at tactical or remote landing sites. Its capabilities include weather information, secure and anti-jam communications across all required frequency bands and ranges, and precision location. ATNAVICS, TAIS, and MOTS serve as effective air traffic risk management tools for aviation safety during night, inclement weather, and combat operations. ATC Common Tactical Simulator can simulate a start to finish ATC scenario, meaning simulation at the airfield for take-off/landing under Visual Flight Rules, radar simulation for surveillance and precision approach, and flight following and airspace deconfliction. This will address the three primary tactical ATC systems (TAIS, ATNAVICS, MOTS). Fixed Base ATC requirements will be met through a vast array of new technology solutions resulting in highly reliable and safe ATC systems in accordance with the Joint DoD/Federal Aviation Administration (FAA) program to modernize the National Airspace System (NAS) and the FAA Next Gen program. This includes upgrading and automating the complete infrastructure by systematically replacing antiquated analog systems with installation of state of the art digital technology. These systems include DoD Advanced Automation System (DAAS), Digital Airport Surveillance Radar (DASR), Voice Recorder Replacement Program (VRRP), Army Airfield Automation System (AAAS), and Radio and Antenna replacement program. The Fixed Base Precision Approach Radar (FBPAR) is the Army's primary ground controlled precision approach capability to provide recovery operations for aircraft to fixed base airfields during adverse weather conditions. FBPAR P3I includes upgrading the computer capabilities, installing coolant upgrades and resolving obsolescence issues.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AA0050 - Air Traffic Control
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:** 0604633A
MDAP/MAIS Code(s):	

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	4	-	-	-	-	-	-	-
	Total Obligation Authority	114.844	47.235	79.692	-	79.692	116.026	100.999	101.629	114.227

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
AA0050 - Air Traffic Control	P5		-	-	993.663	-	-	114.844	-	4	47.235	-	-	79.692	-	-	-	-	-	79.692
Total Gross/Weapon System Cost					**993.663**			**114.844**			**47.235**			**79.692**			**-**			**79.692**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
AA0050 - Air Traffic Control	P5		-	-	-	-	-	-	-	-	-	-	-	-		Continuing			Continuing	
Total Gross/Weapon System Cost					**116.026**			**100.999**			**101.629**			**114.227**		**Continuing**			**Continuing**	

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

FY 2014 Base procurement dollars in the amount of $79.692 million provide for the acquisition of MOTS units, and support tactical and fixed base ATC systems and P3I to these systems. Funds for tactical ATC systems provide for upgrades, modifications, to TAIS, ATNAVICS, TTCS, and MOTS. ATNAVICS upgrades will address joint interoperability and networking capabilities, as well as Information Assurance requirements, improved radio communications, and integrating the TPX-57 to interrogate Mode 5/S equipped aircraft. These modifications will allow the ATNAVICS to transmit critical air picture information to TAIS. TAIS airspace management functions will be modified as web services that will be available throughout the tactical network via a common server to properly credentialed users. TAIS airspace management web services will support ATS and Airspace Integration Improvement Initiatives with expanded interfaces and collaboration capabilities. TTCS will integrate remote capability in accordance with the Operational Requirements Document specifications for force protection. TTCS funding will also support development of logistics products (Modification Work Orders, Technical Manuals, and drawing packages). These modifications to tactical ATC systems ensure Army ATC and Army airspace command and control systems are capable of supporting the path ahead to the Future Force. Funds will provide interim contractor support, engineering services and P3I for the procured MOTS units. Funds for the ATC Common Tactical Simulator will provide an ATC simulator for ATC training and continued operator proficiency. The simulator provides the capability to respond to voice commands and allows for capture and analysis of controller errors, and provides corrective actions to the operator. Navigational Control Aids include the AAAS and Radio/Antenna systems. These funds also procure radio and antenna systems, P3I for DAAS, AAAS installs, modifications of FBPAR systems, and fund the Army joint service capability required for the DoD/FAA modernization and upgrade of the NAS via the Next Gen program. These systems will save significant Operational and Support costs by replacing old, obsolete analog radars, and automation systems with highly reliable modern and compliant ATC systems in towers and approach control facilities. Radios will meet current and emerging spectrum management requirements. Equipment quantity and configuration is tailored to meet specific site requirements, resulting in varying unit costs. Funding ensures compliance and interoperability between the Army, Joint, and FAA systems.

All COMPO 1 Active

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AA0050 - Air Traffic Control	
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0604633A
MDAP/MAIS Code(s):		

NOTE: FY13 quantity should be ZERO.

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

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AA0050 - Air Traffic Control	**Item Nomenclature (*Item Number - Item Name, DODIC*):** AA0050 - Air Traffic Control

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	4	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost *($ in Millions)*	993.663	114.844	47.235	79.692	-	79.692	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	993.663	114.844	47.235	79.692	-	79.692	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**993.663**	**114.844**	**47.235**	**79.692**	**-**	**79.692**	**-**	**-**	**-**	**-**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	11,808.750	-	-	-	-	-	-	-	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*	Unit Cost *($ K)*	Quantity *(Each)*	Total Cost *($ M)*
Flyaway Cost																			
Recurring Cost																			
Fixed Base Precision Approach Radar		-	-	90.291	-	-	2.120	-	-	0.584	-	-	1.792	-	-	-	-	-	1.792
DoD Advanced Automation System (DAAS)		-	-	79.003	-	-	10.381	-	-	5.322	-	-	3.165	-	-	-	-	-	3.165
Digital Airport Surveillance Radar(DASR)		-	-	83.706	-	-	1.032	-	-	1.389	-	-	-	-	-	-	-	-	-
Tactical Airspace Integration Sys (TAIS)		-	-	312.573	-	-	26.063	-	-	13.819	-	-	13.811	-	-	-	-	-	13.811
Air Traffic Navigation and Integration		-	-	342.012	-	-	21.613	-	-	14.476	-	-	12.403	-	-	-	-	-	12.403
Navigational Control Aids		-	-	14.285	-	-	10.861	-	-	1.877	-	-	1.384	-	-	-	-	-	1.384
Tactical Terminal Control System (TTCS)		-	-	40.247	-	-	2.295	-	-	1.225	-	-	5.430	-	-	-	-	-	5.430
Mobile Tower System (MOTS)		-	-	31.546	-	-	39.374	-	-	7.655	-	-	40.886	-	-	-	-	-	40.886
Common Tactical Simulator		-	-	-	-	-	1.105	-	-	0.888	-	-	0.821	-	-	-	-	-	0.821
Total Recurring Cost				*993.663*			*114.844*			*47.235*			*79.692*			-			*79.692*

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AA0050 - Air Traffic Control	**Item Nomenclature (*Item Number - Item Name, DODIC*):** AA0050 - Air Traffic Control

Cost Elements († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Total Flyaway Cost				*993.663*			*114.844*			*47.235*			*79.692*			-			*79.692*
Gross Weapon System Cost				**993.663**			**114.844**			**47.235**			**79.692**			**-**			**79.692**

Cost Elements († indicates the presence of a P-5A)	ID CD	FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total Cost		
		Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)	Unit Cost ($ K)	Quantity (Each)	Total Cost ($ M)
Flyaway Cost																			
Recurring Cost																			
Fixed Base Precision Approach Radar		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DoD Advanced Automation System (DAAS)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Digital Airport Surveillance Radar(DASR)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tactical Airspace Integration Sys (TAIS)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Air Traffic Navigation and Integration		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Navigational Control Aids		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tactical Terminal Control System (TTCS)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mobile Tower System (MOTS)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Tactical Simulator		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recurring Cost				-			-			-			-			-			-
Total Flyaway Cost				-			-			-			-			-			-
Gross Weapon System Cost				**-**			**-**			**-**			**-**	**Continuing**			**Continuing**		

P-5 Remarks:

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	-	4	-	-	-	-	-	-	-
	Total Obligation Authority	114.844	47.235	79.692	-	79.692	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AA0050 - Air Traffic Control	**Item Nomenclature (***Item Number - Item Name, DODIC***):** AA0050 - Air Traffic Control

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3300 - Industrial Facilities
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:** / **Other Related Program Elements:**
MDAP/MAIS Code(s):	

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	2,857.933	1.593	1.643	1.615	-	1.615	1.619	1.634	1.662	-	-	2,867.699
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	2,857.933	1.593	1.643	1.615	-	1.615	1.619	1.634	1.662	-	-	2,867.699
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**2,857.933**	**1.593**	**1.643**	**1.615**	**-**	**1.615**	**1.619**	**1.634**	**1.662**	**-**	**-**	**2,867.699**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

This program provides funding to the Army Test and Evaluation Command (ATEC) to establish, modernize, expand or replace test facilities used in production testing of Aircraft and Aircraft components. It sustains Army production test capabilities through upgrade and replacement of instrumentation and equipment that is technologically and/or economically obsolete. Modernization of test instrumentation and equipment provides increased automation and efficiencies, improved data quality and quantity and cost avoidances to Army Program Managers. Programmed funding will be used to upgrade or replace production test instrumentation and equipment at the Redstone Test Center (RTC), Huntsville, AL and Yuma Test Center (YTC), Yuma Proving Ground, AZ.

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
PROVISION OF INDUSTRIAL FACILITIES	P40A		-	-	-	-	-	1.593	-	-	1.643	-	-	1.615	-	-	-	-	-	1.615
Total Gross/Weapon System Cost					**2,857.933**			**1.593**			**1.643**			**1.615**			**-**			**1.615**

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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

Justification:

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** AZ3300 - Industrial Facilities	
ID Code (A=Service Ready, B=Not Service Ready) :	**Program Elements for Code B Items:**	**Other Related Program Elements:**
MDAP/MAIS Code(s):		

FY14 Base procurement dollars in the amount of $1.615 million support the following: At RTC, replaces instrumentation (accelerometers, fuel flow meters, pressure transducers, etc.) used to collect flight test data from all types of Army aircraft. Also replaces the current RTC navigation instrumentation with a modern system that continuously measures aircraft attitude, rates, and Global Positioning System position data, used in aircraft navigation testing. At YTC, procures replacement aircraft instrumentation for the time-stamping and on-board recording and telemetering of data from standard data buses and sensors; and on-board recorders and telemetry equipment that can meet the environment and data speeds needed for production base aviation programs. Funding will also provide upgraded Kineto Tracking Mounts (optical tracking equipment) used for trajectory estimates for aircraft fired munitions in the evaluation, integration and fault isolation of aircraft weapons systems (allows remote control of mounts for safety during tests with live munitions) and procure laser spot position measurement systems (cameras with specific scoring software) that will be used to evaluate laser target designators during aircraft weapons platform tests.

The majority of the instrumentation being upgraded or replaced is obsolete and has met or exceeded its economic life. This instrumentation is required to ensure complete and accurate test data is collected and safety and environmental hazards are minimized. Benefits of this project include increased test efficiencies and decreased costs and risks to Army Program Managers.

All COMPO 1 Active

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Army	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 2031A: Aircraft Procurement, Army / BA 04: Support Equipment and Facilities / BSA 30: Other Support	**P-1 Line Item Nomenclature:** A50100 - Launcher, 2.75 Rocket

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

Resource Summary	Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total
Procurement Quantity *(Units in Each)*	-	449	67	392	-	392	396	414	426	579	-	2,723
Gross/Weapon System Cost *($ in Millions)*	76.480	2.878	0.516	2.877	-	2.877	2.958	3.058	3.129	4.000	-	95.896
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	76.480	2.878	0.516	2.877	-	2.877	2.958	3.058	3.129	4.000	-	95.896
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**76.480**	**2.878**	**0.516**	**2.877**	**-**	**2.877**	**2.958**	**3.058**	**3.129**	**4.000**	**-**	**95.896**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Thousands)*	-	6.410	7.701	7.339	-	7.339	7.470	7.386	7.345	6.908	-	0.035

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

Description:

The M261 19-tube analog launcher and the M260 7-tube analog launcher are used to fire 2.75 Inch Hydra 70 Rockets from the following platforms: AH-64 Apache, OH-58D Kiowa Warrior, MH-60L Blackhawk and AJ-6J Helicopters. The analog launchers are non-repairable, yet durable enough to withstand at least 16 rocket firings per tube before being discarded. The empty weight of the M260 analog launcher is approximately 35 pounds and the empty weight of the M261 analog launcher is approximately 82 pounds. The analog launcher permits fuze-timing selections from the cockpit and will launch rockets using either the MK40 or the MK66 motors.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
Army	Quantity	449	67	392	-	392	396	414	426	579
	Total Obligation Authority	2.878	0.516	2.877	-	2.877	2.958	3.058	3.129	4.000

Justification:

FY2014 procurement dollars in the amount of $2.877 million supports the M260 7-tube analog launcher for OH-58D Kiowa Warrior and AH-6J helicopters and the M261 19-tube analog launcher for the AH-64 Apache, MH-60L Blackhawk, and AH-6J helicopters. Procurement replaces disposable launchers as a result of annual rocket firings for training and replenishes the limited issuable stockage that has been depleted below levels acceptable to support training and war reserve requirements of Active Army, Special Operations Forces and Reserve Components usage.

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

Exhibit MYP-1, Multiyear Procurement Criteria	Date: April 2013
Appropriation / Budget Activity / Serial No: Aircraft Procurement, Army/1/Aircraft	P-1 Item Nomenclature CH-47 Helicopter (A05101)

1. Multiyear Procurement Description:

This package represents the multiyear procurement of 34 New Build CH-47F aircraft (A05008) and 121 SLEP aircraft (A05105) for a total of 155 aircraft on a five-year multiyear contract over the period of FY13-17 (MYP 2). These exhibits are intended to satisfy congressional notification requirements. This proposed multiyear procurement is the second multi-year procurement for the CH-47F Program. The Principal Deputy Under Secretary of Defense for Acquisition, Technology, and Logistics certified this multiyear contract on March 1, 2012 and the projected award date is May 15, 2013 pending the enactment of the Appropriations Act or CR anomaly.

2. Benefit to the Government:

a. Substantial Savings:

(1) Based on a comparison of the OSD CAPE single year contract estimate and the negotiated settlement with Boeing on December 10, 2012 for one five-year multiyear contract, there is a cost avoidance of approximately $810 million. (2) Where possible, alternate sources have been found for parts in order to encourage competition and reduce costs. Alternate suppliers are interested in providing bids and making significant investments only as a result of the long-term stability provided by the multiyear. Some components have minimum buy quantities that may not be met under single year procurements, driving unit costs artificially high to compensate for not meeting minimum levels. Multiyear procurement quantities will allow the prime contractor and subcontractors at all tiers to exceed minimum order quantities and capture savings on these components. Typically suppliers will provide price discounts to lock in business. Given a five-year contract, suppliers will have greater total business and greater stability. Therefore, they will be capable of finding innovative processes and be able to justify capital investments necessary to reduce costs. Some of these cost reductions will be passed on to the customer in the form of price reductions. In addition, to these types of process innovations and capital investments, competition is expected to be greater based on larger purchase volumes. (3) Administrative costs are reduced to the prime contractor subcontracts at all tiers since there is only one proposal, negotiation, and purchase order instead of a string of five single year procurement actions. Since some suppliers include proposal preparation and negotiation as a direct charge to the purchase order, there will be a dollar for dollar reduction and the savings will not get lost in overhead rates. Administrative reduction is realized in production planning.

b. Stability of Requirement:

The requirement for the CH-47F program was approved by the Joint Requirement Oversight Council (JROC) in 2004.

c. Stability of Funding:

The CH-47F program is fully funded over the FYDP. Funds have remained very stable.

d. Stable Configuration:

The CH-47F system design is stable. Seven production lots, totaling more than 228 aircraft, have been accepted by the Government. Some limited changes to the existing production configuration are required to address component obsolescence issues, improve aircraft producibility, and efficiently and effectively utilize advancing technologies to improve aircraft safety and survivability. One of these efforts is a change to incorporate the Alternate Communications (ALT COMMS) Suite, which consists of 2 multi-mode, ARC-231 radios. The ARC-231 radio is already in production, and replaces some of the existing aircraft radios that are obsolete. Another effort is the production incorporation of Department of the Army (DA) mandated Mission Equipment Packages (MEPs). Engineering for these MEPs is complete and they are currently installed post production, prior to aircraft delivery to CH-47F Units. Technical risk for this program is considered low.

e. Realistic Cost Estimates:

The procurement cost estimate for the CH-47F program is realistic. An Army Cost Position (ACP) was completed in 2004. The Office of the Deputy Assistant Secretary of the Army for Cost and Economics determined the methodologies sound and model outputs reasonable. The Acquisition Program Baseline (APB) was reset in April 2010. The current multiyear procurement cost estimate is based on negotiated settlement memorandum dated December 10, 2012 while OSD CAPE analysis is used in the annual procurement estimate. The contract will be a Firm Fixed Price (FFP) contract with no unfunded cancellation ceiling for Lots 11 through Lot 15 and initial spares.

f. National Security:

Current Defense Planning Guidance advocates the development of a portfolio of capabilities that lessen the likelihood of operational or technological surprise and allow the swift and decisive defeat of adversaries. The CH-47F, the Army's primary cargo helicopter, was developed specifically to provide more effective operational support and a significant technological improvement over its predecessor. In addition, the Chinook helicopter has proven itself to be uniquely capable of operating in high altitude environments, such as Afghanistan.

3. Source of Savings	$ in Millions
Inflation	74
Vendor Procurement	371
Manufacturing	122
Design/Engineering	
Tool Design	
Support Equipment	
Other	243
Total	**810**

4. Advantages of the MYP:

A multiyear contract provides substantial cost avoidance of $810 million over a single year approach. Quantifiable benefits include $2 million in avoidance of annual contract negotiation and project management costs. There are also intangible benefits, including maintaining the industrial base necessary to meet the production requirements of current and future systems; along with helping to maintain the capability to produce additional systems to satisfy domestic and FMS demand, which has increased as the result of the CH-47's demonstrated performance, both in the Overseas Continuing Operations and international disaster relief.

5. Impact on Defense Industrial Base:

Implementation of this proposed MYP will yield a favorable impact on the industrial base. The stability afforded by the use of a multiyear procurement will allow the prime contractor to enter into long-term agreements with suppliers which provide substantial cost savings. Significant competition at the subcontractor level is expected as a result of the proposed five-year FY13-17 multiyear contracting strategy. The first tier subcontractor plan will be structured to encourage competition at the second tier supplier level, indicating full utilization of small and disadvantaged businesses. While significant supplier downsizing and consolidation have occurred due to a general reduction in spending, multiyear contracting will produce acceptable supplier pricing due to the stable business base. Production Capacity: The production capacity for the Prime Contractor is 6 aircraft per month. The plan for this MYP is to operate at this rate (includes the CH-47F Recapitalization program and international sales), and the costs reflect this plan.

6. Multiyear Procurement Summary	Annual Contracts	MultiYear Contract
Quantity	155	155
Total Contract Price	4224	3414
Cancellation Ceiling (highest point)		
Funded		
Unfunded		
$ Cost Avoidance Over Annual		810

Exhibit MYP-1, Multiyear Procurement Criteria		Date: April 2013
Appropriation / Budget Activity / Serial No: Aircraft Procurement, Army/1/Aircraft	P-1 Item Nomenclature CH-47 Helicopter (A05101)	
% Cost Avoidance Over Annual	19	

Exhibit MYP-2, Total Program Funding Plan

Date: April 2013

Appropriation / Budget Activity / Serial No: Aircraft Procurement, Army/1/Aircraft

P-1 Item Nomenclature: CH-47 Helicopter (A05101)

$ in Millions	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
Procurement Quantity	28	30	39	27						124
Annual Procurement										
Gross Cost	1040	1079	1426	1008						4553
Less PY Adv Procurement	90	108	114	116						428
Net Procurement (= P-1)	950	971	1312	892						4125
Plus CY Adv Procurement	108	114	116	39						377
Weapon System Cost	1058	1085	1428	931						4502
Multiyear Procurement										
Gross Cost (P-1)	855	915	1174	855						3799
Less PY Adv Procurement	83	98	102	102						385
Net Procurement (= P-1)	802	817	1072	753						3444
Advanced Procurement										
For 2014										
For 2015	98									98
For 2016		102								102
For 2017			102							102
For 2018										
Plus CY Adv Procurement	98	102	102							302
Weapon System Cost	900	919	1174	753						3746
Multiyear Savings ($)	158	166	254	178						756
Multiyear Savings (%) (Total Only)	15	15	18	19						67
Cancellation Ceiling - Funded										
Cancellation Ceiling - Unfunded										
Outlays										
Annual	662	816	1008	1145	963	557	315	158	93	5717
Multiyear	584	704	860	956	797	460	260	130	75	4826
Savings	78	112	148	189	166	97	55	28	18	891

The first year of this Multiyear contract, FY13, with a gross funding cost of $1,131 million for Multiyear procurement and $1,275 million for annual procurement is not displayed above.

Exhibit MYP-3, Contract Funding Plan								Date: April 2013		
Appropriation / Budget Activity / Serial No: Aircraft Procurement, Army/1/Aircraft				P-1 Item Nomenclature CH-47 Helicopter (A05101)						
$ in Millions	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
Procurement Quantity	28	30	39	27						124
Annual Procurement										
Gross Cost	743	803	1093	755						3394
Less PY Adv Procurement	90	108	114	116						428
Net Procurement (= P-1)	653	695	979	639						2966
Plus CY Adv Procurement	108	114	116							338
Contract Price	761	809	1095	639						3304
Multiyear Procurement										
Gross Cost (P-1)	601	649	883	610						2743
Less PY Adv Procurement	83	98	102	102						385
Net Procurement (= P-1)	518	551	781	508						2358
Advanced Procurement										
For 2014										
For 2015	98									98
For 2016		102								102
For 2017			102							102
For 2018										
Plus CY Adv Procurement	98	102	102							302
Contract Price	616	653	883	508						2660
Multiyear Savings ($)	145	156	212	131						644
Multiyear Savings (%) (Total Only)	19	19	19	21						78
Cancellation Ceiling - Funded										
Cancellation Ceiling - Unfunded										
Outlays										
Annual	452	577	735	848	696	405	228	116	65	4122
Multiyear	369	469	595	685	559	326	183	93	52	3331
Savings	83	108	140	163	137	79	45	23	13	791

The first year of this Multiyear contract, FY13, with a contract price of $699 million and associated savings of $166 million is not displayed above. The savings shown on the MYP1 exhibit show the total savings that span FY13-FY17.

Exhibit MYP-4, Present Value Analysis

Date: April 2013

Appropriation / Budget Activity / Serial No: Aircraft Procurement, Army/1/Aircraft	P-1 Item Nomenclature CH-47 Helicopter (A05101)

$ in Millions	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
Annual Proposal										
Then Year Cost	452	577	735	848	696	405	228	116	65	4122
Constant Year Cost	429	542	680	775	630	367	206	104	57	3790
Present Value	425	536	670	763	617	357	200	101	56	3725
Multiyear Procurement										
Then Year Cost	369	469	595	685	559	326	183	93	52	3331
Constant Year Cost	351	440	550	625	506	295	164	84	47	3062
Present Value	348	435	543	616	497	287	160	80	43	3009
Difference										
Then Year Cost	83	108	140	163	137	79	45	23	13	791
Constant Year Cost	78	102	130	150	124	72	42	20	10	728
PresentValue	77	101	127	147	120	70	40	21	13	716

Constant Year Dollars are Fiscal Year 2012. Outlay rates reflect OMB Circular No. A-94; January 3, 2012. Discount rate of .7 percent was applied to the constant dollar outlays, and assumes uniform outlays throughout the fiscal year (midyear factors). FY13, the first year of the multiyear contract, is not displayed above.

Exhibit MYP-1, Multiyear Procurement Criteria	Date: April 2013
Appropriation / Budget Activity / Serial No: Aircraft Procurement, Army/1/Aircraft	P-1 Item Nomenclature CH-47 NEW BUILD (A05008)

1. Multiyear Procurement Description:

This package represents the multiyear procurement of 34 New Build CH-47F aircraft on a five-year multiyear contract over the period of FY13-17 (MYP 2). These exhibits are intended to satisfy congressional notification requirements. This proposed multi-year procurement is the second multi-year procurement for the CH-47F Program. The CH-47 New Build SSN A05008, along with the CH-47 SLEP SSN A05105, is a subset of SSN A05101. Together, the New Build and SLEP multiyear procurement will have a combined cost avoidance of $810 million, FY13-17. This proposed multiyear procurement is the second multi-year procurement for the CH-47F Program. The Principal Deputy Under Secretary of Defense for Acquisition, Technology, and Logistics certified this multiyear contract on March 1, 2012 and the projected award date is May 15, 2013 pending the enactment of the Appropriations Act or CR anomaly.

2. Benefit to the Government:

a. Substantial Savings:

(1) Based on a comparison of the OSD CAPE single year contract estimate and the negotiated settlement with Boeing on December 10, 2012 for one five-year multiyear contract, there is a cost avoidance of approximately $810 million. (2) Where possible, alternate sources have been found for parts in order to encourage competition and reduce costs. Alternate suppliers are interested in providing bids and making significant investments only as a result of the long-term stability provided by the multiyear. Some components have minimum buy quantities that may not be met under single year procurements, driving unit costs artificially high to compensate for not meeting minimum levels. Multiyear procurement quantities will allow the prime contractor and subcontractors at all tiers to exceed minimum order quantities and capture savings on these components. Typically suppliers will provide price discounts to lock in business. Given a five-year contract, suppliers will have greater total business and greater stability. Therefore, they will be capable of finding innovative processes and be able to justify capital investments necessary to reduce costs. Some of these cost reductions will be passed on to the customer in the form of price reductions. In addition, to these types of process innovations and capital investments, competition is expected to be greater based on larger purchase volumes. (3) Administrative costs are reduced to the prime contractor subcontracts at all tiers since there is only one proposal, negotiation, and purchase order instead of a string of five single year procurement actions. Since some suppliers include proposal preparation and negotiation as a direct charge to the purchase order, there will be a dollar for dollar reduction and the savings will not get lost in overhead rates. Administrative reduction is realized in production planning.

b. Stability of Requirement:

The requirement for the CH-47F program was approved by the Joint Requirement Oversight Council (JROC) in 2004.

c. Stability of Funding:

The CH-47F program is fully funded over the FYDP. Funds have remained very stable.

d. Stable Configuration:

The CH-47F system design is stable. Seven production lots, totaling more than 228 aircraft, have been accepted by the Government. Some limited changes to the existing production configuration are required to address component obsolescence issues, improve aircraft producibility, and efficiently and effectively utilize advancing technologies to improve aircraft safety and survivability. One of these efforts is a change to incorporate the Alternate Communications (ALT COMMS) Suite, which consists of 2 multi-mode, ARC-231 radios. The ARC-231 radio is already in production, and replaces some of the existing aircraft radios that are obsolete. Another effort is the production incorporation of Department of the Army (DA) mandated Mission Equipment Packages (MEPs). Engineering for these MEPs is complete and they are currently installed post production, prior to aircraft delivery to CH-47F Units. Technical risk for this program is considered low.

e. Realistic Cost Estimates:

The procurement cost estimate for the CH-47F program is realistic. An Army Cost Position (ACP) was completed in 2004. The Office of the Deputy Assistant Secretary of the Army for Cost and Economics determined the methodologies sound and model outputs reasonable. The Acquisition Program Baseline (APB) was reset in April 2010. The current procurement cost estimate is based on the negotiated settlement memorandum dated December 10, 2012 while OSD CAPE analysis is used in the annual procurement estimate. The

contract will be a Firm Fixed Price (FFP) contract with no unfunded cancellation ceiling for Lots 11 through Lot 15 and initial spares.

f. National Security:

Current Defense Planning Guidance advocates the development of a portfolio of capabilities that lessen the likelihood of operational or technological surprise and allow the swift and decisive defeat of adversaries. The CH-47F, the Army's primary cargo helicopter, was developed specifically to provide more effective operational support and a significant technological improvement over its predecessor. In addition, the Chinook helicopter has proven itself to be uniquely capable of operating in high altitude environments, such as Afghanistan.

3. Source of Savings	$ in Millions
Inflation	16
Vendor Procurement	94
Manufacturing	30
Design/Engineering	
Tool Design	
Support Equipment	
Other	60
Total	**200**

4. Advantages of the MYP:

A multiyear contract provides substantial cost avoidance of $200 million over a single year approach. Quantifiable benefits include $2 million in avoidance of annual contract negotiation and project management costs. There are also intangible benefits, including maintaining the industrial base necessary to meet the production requirements of current and future systems; along with helping to maintain the capability to produce additional systems to satisfy domestic and FMS demand, which has increased as the result of the CH-47's demonstrated performance, both in the Overseas Continuing Operations and international disaster relief. The CH-47 New Build SSN A05008, along with the CH-47 SLEP SSN A05105, is a subset of ASN A05101. Together, the New Build and SLEP multiyear procurement will have a combined cost avoidance of $810 million, FY13-17.

5. Impact on Defense Industrial Base:

Implementation of this proposed MYP will yield a favorable impact on the industrial base. The stability afforded by the use of a multiyear procurement will allow the prime contractor to enter into long-term agreements with suppliers which provide substantial cost savings. Significant competition at the subcontractor level is expected as a result of the proposed five-year FY13-17 multiyear contracting strategy. The first tier subcontractor plan will be structured to encourage competition at the second tier supplier level, indicating full utilization of small and disadvantaged businesses. While significant supplier downsizing and consolidation have occurred due to a general reduction in spending, multiyear contracting will produce acceptable supplier pricing due to the stable business base. Production Capacity: The production capacity for the Prime Contractor is 6 aircraft per month. The plan for this MYP is to operate at this rate (includes the CH-47F Recapitalization program and international sales), and the costs reflect this plan.

6. Multiyear Procurement Summary	Annual Contracts	MultiYear Contract
Quantity	34	34
Total Contract Price	1042	842
Cancellation Ceiling (highest point)		

Exhibit MYP-1, Multiyear Procurement Criteria		Date: April 2013
Appropriation / Budget Activity / Serial No: Aircraft Procurement, Army/1/Aircraft	P-1 Item Nomenclature CH-47 NEW BUILD (A05008)	

Funded	
Unfunded	
$ Cost Avoidance Over Annual	200
% Cost Avoidance Over Annual	19

Exhibit MYP-2, Total Program Funding Plan								Date: April 2013		
Appropriation / Budget Activity / Serial No: Aircraft Procurement, Army/1/Aircraft				P-1 Item Nomenclature CH-47 NEW BUILD (A05008)						
$ in Millions	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
Procurement Quantity	6	4	12							22
Annual Procurement										
Gross Cost	262	178	486							926
Less PY Adv Procurement										
Net Procurement (= P-1)	262	178	486							926
Plus CY Adv Procurement										
Weapon System Cost	262	178	486							926
Multiyear Procurement										
Gross Cost (P-1)	221	147	397							765
Less PY Adv Procurement										
Net Procurement (= P-1)	221	147	397							765
Advanced Procurement										
For 2014										
For 2015										
For 2016										
For 2017										
For 2018										
Plus CY Adv Procurement										
Weapon System Cost	221	147	397							765
Multiyear Savings ($)	41	31	89							161
Multiyear Savings (%) (Total Only)	16	17	18							51
Cancellation Ceiling - Funded										
Cancellation Ceiling - Unfunded										
Outlays										
Annual	268	244	267	311	172	111	48	28	9	1458
Multiyear	234	210	226	258	143	91	40	23	7	1232
Savings	34	34	41	53	29	20	8	5	2	226
$ millions										

Exhibit MYP-2, Total Program Funding Plan										Date: April 2013
Appropriation / Budget Activity / Serial No: Aircraft Procurement, Army/1/Aircraft				P-1 Item Nomenclature CH-47 NEW BUILD (A05008)						
$ in Millions	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
The first year of this Multiyear contract, FY13, with a gross funding cost of $525 million for Multiyear procurement and $559 million for annual procurement is not displayed above.										

Exhibit MYP-3, Contract Funding Plan								Date: April 2013		
Appropriation / Budget Activity / Serial No: Aircraft Procurement, Army/1/Aircraft				P-1 Item Nomenclature CH-47 NEW BUILD (A05008)						
$ in Millions	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
Procurement Quantity	6	4	12							22
Annual Procurement										
Gross Cost	184	125	374							683
Less PY Adv Procurement										
Net Procurement (= P-1)	184	125	374							683
Plus CY Adv Procurement										
Contract Price	184	125	374							683
Multiyear Procurement										
Gross Cost (P-1)	149	101	302							552
Less PY Adv Procurement										
Net Procurement (= P-1)	149	101	302							552
Advanced Procurement										
For 2014										
For 2015										
For 2016										
For 2017										
For 2018										
Plus CY Adv Procurement										
Contract Price	149	101	302							552
Multiyear Savings ($)	35	24	72							131
Multiyear Savings (%) (Total Only)	19	19	19							57
Cancellation Ceiling - Funded										
Cancellation Ceiling - Unfunded										
Outlays										
Annual	164	159	182	227	125	81	36	21	7	1002
Multiyear	132	129	147	184	101	66	29	17	5	810
Savings	32	30	35	43	24	15	7	4	2	192
$ in millions										

Exhibit MYP-3, Contract Funding Plan										Date: April 2013
Appropriation / Budget Activity / Serial No: Aircraft Procurement, Army/1/Aircraft				P-1 Item Nomenclature CH-47 NEW BUILD (A05008)						
$ in Millions	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
The first year of this Multiyear contract, FY13, with a New Build contract price of $290 million and associated savings of $69 million is not displayed above. The savings shown on the MYP1 exhibit shows the total savings that span FY13-FY17.										

Exhibit MYP-4, Present Value Analysis

Date: April 2013

Appropriation / Budget Activity / Serial No: Aircraft Procurement, Army/1/Aircraft	P-1 Item Nomenclature CH-47 NEW BUILD (A05008)

$ in Millions	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
Annual Proposal										
Then Year Cost	164	159	182	227	125	81	36	21	7	1002
Constant Year Cost	156	150	169	208	114	74	33	19	6	929
Present Value	154	148	166	205	111	72	32	19	9	916
Multiyear Procurement										
Then Year Cost	132	129	147	184	101	66	29	17	5	810
Constant Year Cost	126	121	136	168	92	60	26	16	6	751
Present Value	125	120	134	166	90	58	26	15	6	740
Difference										
Then Year Cost	32	30	35	43	24	15	7	4	2	192
Constant Year Cost	30	29	33	40	22	14	7	3		178
PresentValue	29	28	32	39	21	14	6	4	3	176

Constant Year Dollars are Fiscal Year 2012. Outlay rates reflect OMB Circular No. A-94; January 3, 2012. Discount rate of .7 percent was applied to the constant dollar outlays, and assumes uniform outlays throughout the fiscal year (midyear factors). FY13, the first year of the multiyear contact, is not displayed above.

Exhibit MYP-1, Multiyear Procurement Criteria	Date: April 2013
Appropriation / Budget Activity / Serial No: Aircraft Procurement, Army/1/Aircraft	P-1 Item Nomenclature CH-47 SLEP (A05105)

1. Multiyear Procurement Description:

This package represents the multiyear procurement of 121 SLEP aircraft (A05105) on a five-year multiyear contract over the period of FY13-17 (MYP 2). These exhibits are intended to satisfy congressional notification requirements. This proposed multiyear procurement is the second multi-year procurement for the CH-47F Program. The CH-47 SLEP SSN A05105, along with the CH-47 New Build SSN A05008, is a subset of ASN A05101. Together, the New Build and SLEP multiyear procurement will have a combined cost avoidance of $810M, FY13-17. The Principal Deputy Under Secretary of Defense for Acquisition, Technology, and Logistics certified this multiyear contract on March 1, 2012 and the projected award date is May 15, 2013 pending the enactment of the Appropriations Act or CR anomaly.

2. Benefit to the Government:

a. Substantial Savings:

(1) Based on a comparison of the OSD CAPE single year contract estimate and the negotiated settlement with Boeing on December 10, 2012 for one five-year multiyear contract, there is a cost avoidance of approximately $810 million. (2) Where possible, alternate sources have been found for parts in order to encourage competition and reduce costs. Alternate suppliers are interested in providing bids and making significant investments only as a result of the long-term stability provided by the multiyear. Some components have minimum buy quantities that may not be met under single year procurements, driving unit costs artificially high to compensate for not meeting minimum levels. Multiyear procurement quantities will allow the prime contractor and subcontractors at all tiers to exceed minimum order quantities and capture savings on these components. Typically suppliers will provide price discounts to lock in business. Given a five-year contract, suppliers will have greater total business and greater stability. Therefore, they will be capable of finding innovative processes and be able to justify capital investments necessary to reduce costs. Some of these cost reductions will be passed on to the customer in the form of price reductions. In addition, to these types of process innovations and capital investments, competition is expected to be greater based on larger purchase volumes. (3) Administrative costs are reduced to the prime contractor subcontracts at all tiers since there is only one proposal, negotiation, and purchase order instead of a string of five single year procurement actions. Since some suppliers include proposal preparation and negotiation as a direct charge to the purchase order, there will be a dollar for dollar reduction and the savings will not get lost in overhead rates. Administrative reduction is realized in production planning.

b. Stability of Requirement:

The requirement for the CH-47F program was approved by the Joint Requirement Oversight Council (JROC) in 2004.

c. Stability of Funding:

The CH-47F program is fully funded over the FYDP. Funds have remained very stable.

d. Stable Configuration:

The CH-47F system design is stable. Seven production lots, totaling more than 228 aircraft, have been accepted by the Government. Some limited changes to the existing production configuration are required to address component obsolescence issues, improve aircraft producibility, and efficiently and effectively utilize advancing technologies to improve aircraft safety and survivability. One of these efforts is a change to incorporate the Alternate Communications (ALT COMMS) Suite, which consists of 2 multi-mode, ARC-231 radios. The ARC-231 radio is already in production, and replaces some of the existing aircraft radios that are obsolete. Another effort is the production incorporation of Department of the Army (DA) mandated Mission Equipment Packages (MEPs). Engineering for these MEPs is complete and they are currently installed post production, prior to aircraft delivery to CH-47F Units. Technical risk for this program is considered low.

e. Realistic Cost Estimates:

The procurement cost estimate for the CH-47F program is realistic. An Army Cost Position (ACP) was completed in 2004. The Office of the Deputy Assistant Secretary of the Army for Cost and Economics determined the methodologies sound and model outputs reasonable. The Acquisition Program Baseline (APB) was reset in April 2010. The current procurement cost estimate is based on negotiated settlement memorandum dated December 10, 2012 while OSD CAPE analysis is used in the annual procurement estimate. The contract will be a Firm Fixed Price (FFP) contract with no unfunded cancellation ceiling for Lots 11 through Lot 15 and initial spares.

f. National Security:

Current Defense Planning Guidance advocates the development of a portfolio of capabilities that lessen the likelihood of operational or technological surprise and allow the swift and decisive defeat of adversaries. The CH-47F, the Army's primary cargo helicopter, was developed specifically to provide more effective operational support and a significant technological improvement over its predecessor. In addition, the Chinook helicopter has proven itself to be uniquely capable of operating in high altitude environments, such as Afghanistan.

3. Source of Savings	$ in Millions
Inflation	58
Vendor Procurement	277
Manufacturing	92
Design/Engineering	
Tool Design	
Support Equipment	
Other	183
Total	**610**

4. Advantages of the MYP:

A multiyear contract provides substantial cost avoidance of $610 million over a single year approach. Quantifiable benefits include $2 million in avoidance of annual contract negotiation and project management costs. There are also intangible benefits, including maintaining the industrial base necessary to meet the production requirements of current and future systems; along with helping to maintain the capability to produce additional systems to satisfy domestic and Foreign Military Sales (FMS) demand, which has increased as the result of the CH-47's demonstrated performance, both in the Overseas Continuing Operations and international disaster relief. The CH-47 SLEP SSN A05105, along with the CH-47 New Build SSN A05008, is a subset of ASN A05101. Together, the New Build and SLEP multiyear procurement will have a combined cost avoidance of $810 million, FY13-17.

5. Impact on Defense Industrial Base:

Implementation of this proposed MYP will yield a favorable impact on the industrial base. The stability afforded by the use of a multiyear procurement will allow the prime contractor to enter into long-term agreements with suppliers which provide substantial cost savings. Significant competition at the subcontractor level is expected as a result of the proposed five-year FY13-17 multiyear contracting strategy. The first tier subcontractor plan will be structured to encourage competition at the second tier supplier level, indicating full utilization of small and disadvantaged businesses. While significant supplier downsizing and consolidation have occurred due to a general reduction in spending, multiyear contracting will produce acceptable supplier pricing due to the stable business base. Production Capacity: The production capacity for the Prime Contractor is 6 aircraft per month. The plan for this MYP is to operate at this rate (includes the CH-47F Recapitalization program and international sales), and the costs reflect this plan.

6. Multiyear Procurement Summary	Annual Contracts	MultiYear Contract
Quantity	121	121
Total Contract Price	3182	2572
Cancellation Ceiling (highest point)		
Funded		

Unfunded	
$ Cost Avoidance Over Annual	610
% Cost Avoidance Over Annual	19

Exhibit MYP-2, Total Program Funding Plan

Date: April 2013

Appropriation / Budget Activity / Serial No:	P-1 Item Nomenclature
Aircraft Procurement, Army/1/Aircraft	CH-47 SLEP (A05105)

$ in Millions	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
Procurement Quantity	22	26	27	27						102
Annual Procurement										
Gross Cost	778	901	940	1008						3627
Less PY Adv Procurement	90	108	114	116						428
Net Procurement (= P-1)	688	793	826	892						3199
Plus CY Adv Procurement	108	114	116	39						377
Weapon System Cost	796	907	942	931						3576
Multiyear Procurement										
Gross Cost (P-1)	664	768	777	855						3064
Less PY Adv Procurement	83	98	102	102						385
Net Procurement (= P-1)	581	670	675	753						2679
Advanced Procurement										
For 2014										
For 2015	98									98
For 2016		102								102
For 2017			102							102
For 2018										
Plus CY Adv Procurement	98	102	102							302
Weapon System Cost	679	772	777	753						2981
Multiyear Savings ($)	117	135	165	178						595
Multiyear Savings (%) (Total Only)	15	15	18	19						67
Cancellation Ceiling - Funded										
Cancellation Ceiling - Unfunded										
Outlays										
Annual	394	572	741	834	791	446	267	130	84	4259
Multiyear	350	494	634	698	654	369	220	107	68	3594
Savings	44	78	107	136	137	77	47	23	16	665

$ Millions

The first year of this Multiyear contract, FY13 with a gross funding cost of $606 million for Multiyear procurement and $677 million for annual procurement is not displayed above.

Exhibit MYP-3, Contract Funding Plan								Date: April 2013		
Appropriation / Budget Activity / Serial No: Aircraft Procurement, Army/1/Aircraft				P-1 Item Nomenclature CH-47 SLEP (A05105)						
$ in Millions	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
Procurement Quantity	22	26	27	27						102
Annual Procurement										
Gross Cost	559	678	719	755						2711
Less PY Adv Procurement	90	108	114	116						428
Net Procurement (= P-1)	469	570	605	639						2283
Plus CY Adv Procurement	108	114	116							338
Contract Price	577	684	721	639						2621
Multiyear Procurement										
Gross Cost (P-1)	452	548	581	610						2191
Less PY Adv Procurement	83	98	102	102						385
Net Procurement (= P-1)	369	450	479	508						1806
Advanced Procurement										
For 2014										
For 2015	98									98
For 2016		102								102
For 2017			102							102
For 2018										
Plus CY Adv Procurement	98	102	102							302
Contract Price	467	552	581	508						2108
Multiyear Savings ($)	110	132	140	131						513
Multiyear Savings (%) (Total Only)	19	19	19	21						78
Cancellation Ceiling - Funded										
Cancellation Ceiling - Unfunded										
Outlays										
Annual	288	418	553	621	571	324	192	95	58	3120
Multiyear	237	340	448	501	458	260	154	76	47	2521
Savings	51	78	105	120	113	64	38	19	11	599

$ Millions

The first year of this Multiyear contract, FY13, with a ReNew contract price of $409 million and associated savings of $97 million is not displayed above. The savings shown on the MYP1 exhibit

Exhibit MYP-3, Contract Funding Plan										Date: April 2013
Appropriation / Budget Activity / Serial No: Aircraft Procurement, Army/1/Aircraft				P-1 Item Nomenclature CH-47 SLEP (A05105)						
$ in Millions	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
show the total savings that span FY13-FY17.										

Exhibit MYP-4, Present Value Analysis								Date: April 2013		
Appropriation / Budget Activity / Serial No: Aircraft Procurement, Army/1/Aircraft				P-1 Item Nomenclature CH-47 SLEP (A05105)						
$ in Millions	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
Annual Proposal										
Then Year Cost	288	418	553	621	571	324	192	95	58	3120
Constant Year Cost	273	392	511	567	516	293	173	85	51	2861
Present Value	271	388	504	558	506	285	168	82	47	2809
Multiyear Procurement										
Then Year Cost	237	340	448	501	458	260	154	76	47	2521
Constant Year Cost	225	319	414	457	414	235	138	68	41	2311
Present Value	223	315	409	450	407	229	134	65	37	2269
Difference										
Then Year Cost	51	78	105	120	113	64	38	19	11	599
Constant Year Cost	48	73	97	110	102	58	35	17	10	550
PresentValue	48	73	95	108	99	56	34	17	10	540

Constant Year Dollars are Fiscal Year 2012. Outlay rates reflect OMB Circular No. A-94; January 3, 2012. Discount rate of .7 percent was applied to the constant dollar outlays, and assumes uniform outlays throughout the fiscal year (midyear factors). FY13, the first year of the multiyear contract, is not displayed above.