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

April 2013

Air Force

Justification Book Volume 2 of 2

Aircraft Procurement, Air Force

Vol-2 Mods

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C-20 Mods	C02000	56	05	05	Volume 2 - 275
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CV-22 Mods	V02200	77	05	05	Volume 2 - 451
Civil Air Patrol A/C	CAPAC0	17	04	04	Volume 1 - 157
Common Vertical Lift Support Platform (CVLSP)	HCX000	14	04	01	Volume 1 - 131
E-3	E00300	65	05	05	Volume 2 - 357
E-4	E00400	66	05	05	Volume 2 - 371
E-8	E00800	67	05	05	Volume 2 - 379
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Industrial Responsiveness	73	94	07	03	Volume 1 - 371
Initial Spares/Repair Parts	000999	78	06	10	Volume 1 - 259
KC-10A (ATCA)	C01000	86	07	02	Volume 1 - 343
KC-10A (ATCA)	C01000	53	05	05	Volume 2 - 255
Large Aircraft Infrared Countermeasures	LAIRCM	32	05	01	Volume 2 - 63
Light Attack Armed Recon Acft	LAAR00	18	04	04	Volume 1 - 167
MC-12W	C012WM	55	05	05	Volume 2 - 267
MC-130J	C130JM	9	02	03	Volume 1 - 87
MC-130J	C130JM	10	02	03	Volume 1 - 99
MQ-1 Mods	PRDT01	73	05	05	Volume 2 - 415
MQ-9	PRDTB1	27	04	05	Volume 1 - 231
MQ-9 Mods	PRDTB2	74	05	05	Volume 2 - 417
MQ-9 UAS Payloads	PRDTB3	75	05	05	Volume 2 - 441
Other Aircraft	OTHACF	93	07	02	Volume 1 - 369

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Other Production Charges	000075	96	07	05	Volume 1 - 385
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RQ-4	HAEUAV	24	04	05	Volume 1 - 211
RQ-4	HAEUAV	25	04	05	Volume 1 - 227
RQ-4 Block 40 Proc	RQ440P	28	04	05	Volume 1 - 255
RQ-4 GSRA/CSRA Mods	RQ4GCM	76	05	05	Volume 2 - 443
RQ-4 Mods	HAWK00	70	05	05	Volume 2 - 397
STUASL0	WASP00	19	04	04	Volume 1 - 171
T-1	T00100	49	05	04	Volume 2 - 237
T-38	T03800	50	05	04	Volume 2 - 239
T-6	JPAT00	48	05	04	Volume 2 - 233
Target Drones	10TRGT	20	04	05	Volume 1 - 177
U-2	711	100	07	11	Volume 1 - 403
U-2 Mods	00U200	51(52)	05	05	Volume 2 - 247
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Exhibit P-1M
(Listing by Model)

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
A-10	9804	A-10 Wing Replacement Program	586.380	5.168	82.493	44.580	-	44.580	0.151	0.101	-	-
Model Subtotal, A-10:			586.380	5.168	82.493	44.580	0.000	44.580	0.151	0.101	0.000	0.000

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
B-1B	4280	FULLY INTEGRATED DATA LINKS	56.891	58.855	57.074	53.895	-	53.895	57.042	57.883	45.845	26.569
B-1B	4284	CITS UPGRADE	19.172	15.683	17.548	15.404	-	15.404	21.483	20.724	16.684	12.414
B-1B	4286	Inertial Navigation System (INS)	13.563	36.018	21.447	11.041	-	11.041	8.781	-	-	-
B-1B	8971	VERTICAL SITUATION DISPLAYS	28.723	33.872	34.429	40.903	-	40.903	44.984	47.472	39.496	30.571
Model Subtotal, B-1B:			118.349	144.428	130.498	121.243	0.000	121.243	132.290	126.079	102.025	69.554

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
B-2	110026	EHF SATCOM and Computers	-	50.318	53.816	7.469	-	7.469	8.268	-	-	-
B-2	110031	B-2 Trainer System Upgrade	33.614	-	9.103	5.006	-	5.006	6.477	6.630	7.776	7.916
Model Subtotal, B-2:			33.614	50.318	62.919	12.475	0.000	12.475	14.745	6.630	7.776	7.916

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
B-52H	3265	B-52 Anti-Skid Replacement	-	-	4.626	6.737	-	6.737	5.936	0.898	0.914	0.930
B-52H	3310	B-52 CONECT	3.036	84.406	-	87.200	-	87.200	83.600	27.300	6.900	2.500
B-52H	6884	MIL-STD-1760	-	-	3.238	5.120	-	5.120	0.380	-	-	-
B-52H	9709	Mode S/5 IFF	-	-	-	9.590	-	9.590	12.203	2.509	-	-
Model Subtotal, B-52H:			3.036	84.406	7.864	108.647	0.000	108.647	102.119	30.707	7.814	3.430

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
Block 10, 20, 30 and 40	470001	GH Aircraft Mods	459.452	87.677	8.757	8.813	-	8.813	8.347	8.946	5.944	6.060
Model Subtotal, Block 10, 20, 30 and 40:			459.452	87.677	8.757	8.813	0.000	8.813	8.347	8.946	5.944	6.060

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
Block 10/20/30/40 Ground Stations and Comm Systems	470006	RQ-4 GSRA/CSRA Mods	-	-	-	30.000	-	30.000	32.700	21.801	10.000	10.180
Model Subtotal, Block 10/20/30/40 Ground Stations and Comm Systems:			0.000	0.000	0.000	30.000	0.000	30.000	32.700	21.801	10.000	10.180

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
C-130	9139	MOD V IFF	-	26.566	11.740	6.803	-	6.803	1.630	-	-	-
C-130	92301	AFR C-130 Fuselage Trainer Modification	-	-	-	7.000	-	7.000	-	-	-	-
Model Subtotal, C-130:			0.000	26.566	11.740	13.803	0.000	13.803	1.630	0.000	0.000	0.000

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
C-130H 1/2/3	1	8.33 kHz Radios -- Minimize C-130 CNS/ATM Program	-	-	-	9.922	-	9.922	7.447	7.747	5.272	2.550
C-130H 1/2/3	2	CVR/DVR -- Minimize C-130 CNS/ ATM Program	-	-	-	4.278	-	4.278	7.151	6.907	8.428	14.096
Model Subtotal, C-130H 1/2/3:			0.000	0.000	0.000	14.200	0.000	14.200	14.598	14.654	13.700	16.646

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
C-130H, MC-130H, HC-130P/N, EC-130H, AC-130U,	8578	C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)	595.338	6.191	52.804	24.833	-	24.833	13.773	14.019	14.216	14.472
Model Subtotal, C-130H, MC-130H, HC-130P/N, EC-130H, AC-130U,:			595.338	6.191	52.804	24.833	0.000	24.833	13.773	14.019	14.216	14.472

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
C-17	2	LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17	-	-	17.368	15.291	-	15.291	16.085	15.916	16.257	16.550
C-17	2000	Pylon Stub FFLZ, FF, Translating Fairing	16.417	12.507	19.337	24.599	-	24.599	18.228	4.742	3.206	-
C-17	2633	MFOQA	1.131	1.954	4.772	5.150	-	5.150	4.113	-	-	-

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Exhibit P-1M
(Listing by Model)

Model	Modification #	Modification Title	Cost ($ in Millions) All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
C-17	8962	Block 13 to 17 Retrofit	604.878	41.572	155.475	57.344	-	57.344	44.550	-	-	-
C-17	1508	IFF GATM Mode 5	-	5.703	7.310	14.074	-	14.074	19.591	20.603	22.696	22.617
C-17	6402	OBIGGS II	61.847	15.243	-	11.093	-	11.093	12.350	17.801	19.570	33.666
C-17	6412	Extended Range Retrofit/OBIGGS II	139.310	80.430	0.168	27.013	-	27.013	42.343	52.267	74.541	95.241
Model Subtotal, C-17:			823.583	157.409	204.430	154.564	0.000	154.564	157.260	111.329	136.270	168.074

Model	Modification #	Modification Title	Cost ($ in Millions) All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
C-32A	1110	Nitrogen Generation System	-	-	-	8.000	-	8.000	3.000	-	-	-
Model Subtotal, C-32A:			0.000	0.000	0.000	8.000	0.000	8.000	3.000	0.000	0.000	0.000

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
C-40B/C	1110	Nitrogen Generation System	-	-	-	5.872	-	5.872	3.077	2.051	-	-
Model Subtotal, C-40B/C:			0.000	0.000	0.000	5.872	0.000	5.872	3.077	2.051	0.000	0.000

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
C-5B/C	6154	C-5 Reliability Enhancment and Re-Engining Program	672.717	851.470	944.819	1,021.967	-	1,021.967	334.749	-	-	-
Model Subtotal, C-5B/C:			672.717	851.470	944.819	1,021.967	0.000	1,021.967	334.749	0.000	0.000	0.000

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
C/KC-135	8653	BLOCK 45	-	31.454	38.672	42.030	-	42.030	64.377	58.029	52.143	55.880
Model Subtotal, C/KC-135:			0.000	31.454	38.672	42.030	0.000	42.030	64.377	58.029	52.143	55.880

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
C130J	1	LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J	0.000	0.000	46.385	8.447	-	8.447	8.603	8.707	8.864	9.024
Model Subtotal, C130J:			0.000	0.000	46.385	8.447	0.000	8.447	8.603	8.707	8.864	9.024

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
CV-22	8790	Block 20 Upgrade	8.400	10.039	18.649	20.935	-	20.935	99.160	68.960	71.242	72.523
Model Subtotal, CV-22:			8.400	10.039	18.649	20.935	0.000	20.935	99.160	68.960	71.242	72.523

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
E-3	1	BLOCK 40/45 UPGRADE	306.292	110.491	172.839	168.911	-	168.911	173.251	197.847	203.415	140.643
E-3	7225	NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)	8.551	18.141	15.591	21.717	-	21.717	16.202	-	-	-
Model Subtotal, E-3:			314.843	128.632	188.430	190.628	0.000	190.628	189.453	197.847	203.415	140.643

Air Force • President's Budget Submission FY 2014 • Procurement
Exhibit P-1M
(Listing by Model)

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
E-4B	1	E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I	-	-	5.075	5.300	-	5.300	5.220	-	-	-
Model Subtotal, E-4B:			0.000	0.000	5.075	5.300	0.000	5.300	5.220	0.000	0.000	0.000

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
E-8C	38198	Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)	-	0.383	56.035	57.266	-	57.266	29.757	1.455	0.805	-
Model Subtotal, E-8C:			0.000	0.383	56.035	57.266	0.000	57.266	29.757	1.455	0.805	0.000

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
EC-130H/ TC-130H	1001	COMPASS CALL	-	152.854	64.024	34.495	-	34.495	66.263	63.967	56.562	57.580
Model Subtotal, EC-130H/TC-130H:			0.000	152.854	64.024	34.495	0.000	34.495	66.263	63.967	56.562	57.580

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
F-15 C/D	8797	F-15C Passive Attack Sensor System	10.465	-	8.000	5.500	-	5.500	3.004	0.504	0.704	-
Model Subtotal, F-15 C/D:			10.465	0.000	8.000	5.500	0.000	5.500	3.004	0.504	0.704	0.000

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
F-15C	8794	F-15C/D BLOS	-	21.747	11.320	12.226	-	12.226	9.181	-	-	-
Model Subtotal, F-15C:			0.000	21.747	11.320	12.226	0.000	12.226	9.181	0.000	0.000	0.000

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
F-15C/D	6158	F-15C/D APG-63(V)3 radar upgrade	576.448	92.991	15.956	113.147	-	113.147	183.622	165.273	9.082	10.665
Model Subtotal, F-15C/D:			576.448	92.991	15.956	113.147	0.000	113.147	183.622	165.273	9.082	10.665

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
F-15E	1202	F-15E AESA Radar	85.266	99.299	100.000	195.139	-	195.139	243.329	229.651	221.651	225.641
Model Subtotal, F-15E:			85.266	99.299	100.000	195.139	0.000	195.139	243.329	229.651	221.651	225.641

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
F-16	8662	AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	80.940	3.561	0.686	5.450	-	5.450	6.111	5.234	5.319	5.415
Model Subtotal, F-16:			80.940	3.561	0.686	5.450	0.000	5.450	6.111	5.234	5.319	5.415

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
F-22	1	INCREMENT 3.1	146.847	52.999	30.711	12.950	-	12.950	10.342	13.837	0.870	-
F-22	2	Reliability and Maintainability Maturation Program	534.487	111.078	145.797	130.898	-	130.898	99.410	81.302	79.301	67.862
F-22	4	Arresting Gear System	-	-	-	2.691	-	2.691	5.507	-	-	-
F-22	5	Structures Retrofit Plan	76.657	54.500	58.153	59.645	-	59.645	38.969	10.715	5.153	1.250
F-22	6	Trainers Modernization	11.660	4.056	26.533	26.754	-	26.754	19.890	11.673	8.603	2.607
Model Subtotal, F-22:			769.651	222.633	261.194	232.938	0.000	232.938	174.118	117.527	93.927	71.719

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
F-22A	3	F119 Engine Modifications	15.626	2.784	17.238	50.231	-	50.231	59.329	52.608	53.056	24.317
Model Subtotal, F-22A:			15.626	2.784	17.238	50.231	0.000	50.231	59.329	52.608	53.056	24.317

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
F-35 CTOL	1	Block 3i LRIP 2-5 Upgrade	-	-	-	63.420	-	63.420	81.695	94.022	28.449	3.764
F-35 CTOL	2	Concurrency	-	-	141.512	94.357	-	94.357	162.906	122.671	223.386	248.020
Model Subtotal, F-35 CTOL:			0.000	0.000	141.512	157.777	0.000	157.777	244.601	216.693	251.835	251.784

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
F15E	8353	F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM	65.686	-	4.164	21.170	-	21.170	15.929	-	-	-
Model Subtotal, F15E:			65.686	0.000	4.164	21.170	0.000	21.170	15.929	0.000	0.000	0.000

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
HC-130J	8634	HC-130J Common Configuration	-	-	20.400	8.300	-	8.300	5.918	2.820	2.070	2.137
Model Subtotal, HC-130J:			0.000	0.000	20.400	8.300	0.000	8.300	5.918	2.820	2.070	2.137

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
HH-60G	8852	CSAR Avionics/Electrical Upgrade	-	8.431	6.190	6.940	-	6.940	3.730	2.650	2.470	2.670
Model Subtotal, HH-60G:			0.000	8.431	6.190	6.940	0.000	6.940	3.730	2.650	2.470	2.670

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
KC-10	7726	CNS/ATM	-	-	38.900	64.600	-	64.600	28.660	-	-	-
KC-10	1	SERVICE BULLETINS	9.924	5.709	6.383	5.065	-	5.065	5.489	3.429	0.010	2.702
Model Subtotal, KC-10:			9.924	5.709	45.283	69.665	0.000	69.665	34.149	3.429	0.010	2.702

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
MC-12W	9144	C-12 ISR Modifications	-	33.843	17.054	5.000	-	5.000	23.223	12.465	12.689	12.917
Model Subtotal, MC-12W:			0.000	33.843	17.054	5.000	0.000	5.000	23.223	12.465	12.689	12.917

Model	Modification #	Modification Title	Cost ($ in Millions) All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
MC-130J	8632	MC-130J Increment 2	-	-	-	8.000	-	8.000	4.400	6.600	2.000	-
Model Subtotal, MC-130J:			0.000	0.000	0.000	8.000	0.000	8.000	4.400	6.600	2.000	0.000

Model	Modification #	Modification Title	Cost ($ in Millions) All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
MQ-9	9152	MQ-9 Field	28.122	83.974	177.690	37.620	-	37.620	17.550	9.022	5.907	0.430
MQ-9	9154	Lynx SAR	-	-	-	34.480	-	34.480	23.360	25.380	27.080	16.060
MQ-9	9155	GCS Blk 30	64.180	-	3.580	7.020	-	7.020	1.240	-	-	-
MQ-9	9159	R&M enhancements	-	9.880	15.810	6.030	-	6.030	5.702	6.080	7.270	6.848
MQ-9	9162	Communication Enhancements	-	-	-	5.370	-	5.370	5.830	1.830	16.880	3.290
MQ-9	9165	Anti-Ice	-	-	-	5.520	-	5.520	10.690	2.200	-	-
Model Subtotal, MQ-9:			92.302	93.854	197.080	96.040	0.000	96.040	64.372	44.512	57.137	26.628

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
N/A	1680	C-130J Tactics Training	0.337	-	8.145	7.545	-	7.545	-	-	-	-
Model Subtotal, N/A:			0.337	0.000	8.145	7.545	0.000	7.545	0.000	0.000	0.000	0.000

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
No text provided.	4494	U-2 Mod	-	-	91.277	45.591	-	45.591	61.120	20.233	43.900	52.835
Model Subtotal, No text provided.:			0.000	0.000	91.277	45.591	0.000	45.591	61.120	20.233	43.900	52.835

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
RC-135S, TC-135W	2504	COBRA BALL	-	10.331	10.186	10.119	-	10.119	10.182	10.111	10.155	10.202
Model Subtotal, RC-135S, TC-135W:			0.000	10.331	10.186	10.119	0.000	10.119	10.182	10.111	10.155	10.202

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
RC-135U	4265	COMBAT SENT	-	10.096	10.268	10.444	-	10.444	10.641	10.333	10.328	10.326
Model Subtotal, RC-135U:			0.000	10.096	10.268	10.444	0.000	10.444	10.641	10.333	10.328	10.326

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
RC-135V/W & TC-135W	4263	RIVET JOINT	-	141.784	152.783	151.250	-	151.250	153.433	157.197	160.404	163.615
Model Subtotal, RC-135V/W & TC-135W:			0.000	141.784	152.783	151.250	0.000	151.250	153.433	157.197	160.404	163.615

Model	Modification #	Modification Title	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
			Cost ($ in Millions)									
T-38C	6088	Pacer Classic III	15.215	25.979	15.808	27.176	-	27.176	33.713	33.131	27.220	24.382
Model Subtotal, T-38C:			15.215	25.979	15.808	27.176	0.000	27.176	33.713	33.131	27.220	24.382

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ACRONYMS

GENERAL ACRONYMS

ABIDES	- Automated Budget Interactive Data Environment System
ACAT	- Acquisition Category
ACTD	- Advanced Concept Technology Demonstration
AGM	- Air-to-Ground Missile
AIM	- Air Intercept Missile
AIS	- Avionics Intermediate Shop
ACMI	- Aircraft Combat Maneuvering Instrumentation
AMRAAM	- Advanced Medium-Range Air-to-Air Missile
AUTODIN	- Automated Digital Network
AWACS	- Airborne Warning and Control System
BLSS	- Base Level Self-Sufficiency Spares
BY	- Budget Year
C3	- Command, Control, and Communication System
CFE	- Contractor Furnished Equipment
CONOPS	- Concept of Operation
CONUS	- Continental United States
CPMS	- Comprehensive Power Management System
CPT	- Cockpit Procedures Trainer
CRA	- Continuing Resolution Authority
CTS	- Countermeasures Test Set
CY	- Current Year
DDTE	- Design, Development, Test and Evaluation
ECCM	- Electronic Counter Counter-Measures
ECM	- Electronic Counter Measures
ECO	- Engineering Change Orders
EOQ	- Economic Order Quantity
ECP	- Engineering Change Proposal
EGPWS	- Enhance Ground Proximity Warning System
EPA	- Economic Price Adjustment
EW	- Electronic Warfare
EWAISP	- Electronic Warfare Avionics Integration Support Facility

FLIR	- Forward Looking Infra Red
FOT&E	- Follow-on Test and Evaluation
FOC	- Fully Operational Capability
FLTS	- Flight Line Test Set
FPIF	- Fixed Price Incentive Firm
FPIS	- Fixed Price Incentive Fee, Successive Targets
GANS	- Global Access Navigation & Safety
GATM	- Global Air Traffic Management
GFE	- Government Furnished Equipment
GPS	- Global Positioning System
GSE	- Ground Support Equipment
IOC	- Initial Operating Capability
IPE	- Increased Performance Engine
JPALS	- Joint Precision Approach and Landing System
LANTIRN	- Low Altitude Navigation and Targeting Infra Red System for Night
METS	- Mobile Electronic Test Stations
MYP	- Multiyear Procurement
MSIP	- Multi-Stage Improvement Program
NAVWAR	- Navigation Warfare
NMC Rate	- Not Mission Capable Rate
OFP	- Operational Flight Program
OT&E	- Operational Test and Evaluation
OWRM	- Other War Reserve Material
PAGEL	- Priced Aerospace Ground Equipment List
PB	- President's Budget
PGSE	- Peculiar Ground Support Equipment
PMC	- Procurement Method Code
PNO	- Acquisition Program Number (MDAP Codes)
PR	- Purchase Request
PRCP	- Program Resource Collection Process
PTT	- Part Task Trainer
PY	- Prior Year
R&M	- Reliability and Maintainability
RAA	- Required Asset Availability
RDT&E	- Research, Development, Test and Evaluation
RVSM	- Reduced Vertical Separation Minimum

RWR	- Radar Warning Receiver
ROM	- Rough Order of Magnitude
SAM	- Surface-to-Air Missile
SS	- Sole Source
SOF	- Special Operation Force
TAF	- Tactical Air Force
TCAS	- Traffic Collision Alert and Avoidance System
TEWS	- Tactical Electronic Warfare System
TISS	- TEWS Intermediate Support System
TOA	- Total Obligation Authority
WMP	- War Mobilization Plan
WRM	- War Reserve Material
WST	- Weapon System Trainer
UAV	- Unmanned Aerial Vehicle
UHF	- Ultra High Frequency
USA	- United States of America
VHSIC	- Very High Speed Integrated Circuit

BASE / ORGANIZATIONAL ACRONYMNS

11 WING	- 11th Support Wing
ACC	- Air Combat Command
AETC	- Air Education & Training Command
AFCAO	- Air Force Computer Acquisition Office
AFCESA	- Air Force Civil Engineering Support Agency
AFCIC	- AF Communications & Information Center
AFCSC	- Air Force Cryptologic Service Center
AFESC	- Air Force Engineering Services Center
AFGWC	- Air Force Global Weather Central
AFIT	- Air Force Institute of Technology
AFMC	- Air Force Materiel Command
AFMETCAL	- Air Force Metrology and Calibration Office
AFMLO	- Air Force Medical Logistics Office
AFNEWS	- Air Force Information & News Service Center
AFOSI	- Air Force Office of Special Investigation
AFOTEC	- Air Force Operational Test & Evaluation Center

AFPC	- Air Force Personnel Center
AFPSL	- AF Primary Standards Lab
AFR	- Air Force Reserve
AFSOC	- AF Special Operations Command
AFSPC	- Air Force Space Command
AIA	- Air Intelligence Agency
ALC	- Air Logistics Center
AMC	- Air Mobility Command
ANG	- Air National Guard
ASC	- Aeronautical Systems Center
AETC	- Air Education Training Command
AU	- Air University
AWS	- Air Weather Service
CIA	- Central Intelligence Agency
DGSC	- Defense General Support Center
DLA	- Defense Logistics Center
DOE	- Department of Energy
DPSC	- Defense Personnel Support Center
DSCC	- Defense Supply Center, Columbus
DTIC	- Defense Technical Information Center
ER	- Eastern Range
ESC	- Electronic Systems Center
FAA	- Federal Aviation Agency
FBI	- Federal Bureau of Investigation
GSA	- General Services Administration
JCS	- Joint Chiefs of Staff
JCS	- Johnson Space Center
NATO	- North Atlantic Treaty Organization
NBS	- National Bureau of Standards
OSD	- Office of the Secretary of Defense
PACAF	- Pacific Air Forces
USAF	- United States Air Force
USAFA	- United States Air Force Academy
USAFE	- United States Air Force Europe
USCENTCOM	- United States Central Command
USEUCOM	- United States European Command

USMC	- United States Marine Corps
USSTRATCOM	- United States Strategic Command
WPAFB	- Wright-Patterson AFB, OH

CONTRACT METHOD / TYPE ACRONYMNS

C	- Competitive
BA	- Basic Agreement
BOA	- Basic Ordering Agreement
BPA	- Blanket Purchasing Agreement
CS	- Cost Sharing
IDDQ	- Indefinite Delivery, Definite Quantity
IDIQ	- Indefinite Delivery, Indefinite Quantity
IDRT	- Indefinite Delivery, Requirements
Letter	- Letter
LH	- Labor-hour
MIPR	- Military Interdepartmental Purchase Request
MIPR-C	- Military Interdepartmental Purchase Request - Competitive
MIPR-OPT	- Military Interdepartmental Purchase Request - Option
MIPR-OTH	- Military Interdepartmental Purchase Request – Other
MIPR-SS	- Military Interdepartmental Purchase Request - Sole Source
OPT	- Option
OTH	- Other
PO	- Project Order
REQN	- Requisition
SS	- Sole Source
T&M	- Time and Materials
UCA	- Undefinitized Contract Action
WP	- Work Project

CONTRACTED BY ACRONYMNS

11 WING	- 11th Support Wing, Washington, DC
ACC	- Air Combat Command, Langley AFB, VA
AEDC	- Arnold Engineering Development Center, Arnold AFB, TN
AAC	- Air Armament Center, Eglin AFB, FL

AEDC	- Arnold Engineering Development Center, Arnold AFB, TN
AETC	- Air Education and Training Command, Randolph AFB, TX
AFCIC	- Air Force Communications and Information Center, Washington, DC
AFCESA	- Air Force Civil Engineering Support Agency, Tyndall AFB, FL
AFFTC	- Air Force Flight Test Center, Edwards AFB, CA
AFMC	- Air Force Materiel Command, Wright-Patterson AFB, OH
AFMETCAL	- Air Force Metrology and Calibration Office, Heath, Ohio
AFMLO	- Air Force Medical Logistics Office, Ft Detrick, MD
AIA	- Air Intelligence Agency, Kelly AFB, TX
AMC	- Air Mobility Command, Scott AFB, IL
ASC	- Aeronautical Systems Center, Wright-Patterson AFB, OH & Eglin AFB, FL
AFWA	- Air Force Weather Agency, Offutt AFB, NE
DGSC	- Defense General Support Center, Richmond, VA
DPSC	- Defense Personnel Support Center, Philadelphia, PA
ER	- Eastern Range, Patrick AFB, FL
ESC	- Electronic Systems Center, Hanscom AFB, MA
HSC	- Human Services Center, Brook AFB, TX
OC-ALC	- Oklahoma City Air Logistics Center, Tinker AFB, OK
OO-ALC	- Ogden Air Logistics Center, Hill AFB, UT
SMC	- Space & Missile Systems Center, Los Angeles AFB, CA
US STRATCOM	- US Strategic Command, Offutt AFB, NE
WACC	- Washington Area Contracting Center, Washington DC
WR	- Western Range, Vandenberg AFB, CA
WR-ALC	- Warner-Robins Air Logistics Center, Robins AFB, GA
AFSPC	- Air Force Space Command, Peterson AFB, CO
HQ ANG	- Headquarters, Air National Guard, Washington, DC
USAFE	- United States Air Force Europe, Ramstein AB, GE
USAFA	- United States Air Force Academy, Colorado Springs, CO
SSG	- Standard Systems Group, Maxwell AFB-Gunter Annex, AL

IDENTIFICATION CODES

Code “A”	- Line items of material which have been approved for Air Force service use.
Code “B”	- Line items of material that have not been approved for Service use

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B00200 - B-2A

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0101127F

MDAP/MAIS Code(s): 224,376

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)*	721.733	77.003	82.296	20.019	-	20.019	24.195	48.018	45.820	36.767	10.340	1,066.191
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	721.733	77.003	82.296	20.019	-	20.019	24.195	48.018	45.820	36.767	10.340	1,066.191
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**721.733**	**77.003**	**82.296**	**20.019**	**-**	**20.019**	**24.195**	**48.018**	**45.820**	**36.767**	**10.340**	**1,066.191**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	14.838	8.214	6.481	4.075	-	4.075	1.271	0.809	2.070	2.613	-	40.371
Flyaway Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 B-2 is a multi-engine, long range bomber incorporating low-observable ('stealth') technology, enables penetration of enemy air defenses and strike high-value targets. Specific modifications budgeted and programmed are below.

Funding for the exhibit contained primarily in PE 0101127F. Some trainer efforts are funded in PE 0809731F Training Support to Units.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	77.003	82.296	20.019	-	20.019	24.195	48.018	45.819	36.767

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Proximity Sensor Logic Unit PROM Replacement	P40A		-	-	4.223	-	-	-	-	-	0.107	-	-	-	-	-	-	-	-	-
LINK 16/CID/IFR	P40A		-	-	92.446	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft

P-1 Line Item Nomenclature:
B00200 - B-2A

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0101127F

MDAP/MAIS Code(s): 224,376

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
RADAR SYSTEM MODIFICATION	P40A		-	-	530.526	-	-	0.963	-	-	-	-	-	-	-	-	-	-	-	-
B-2 Massive Ordnance Penetrator (MOP) Integration	P40A		-	-	20.172	-	-	22.976	-	-	3.450	-	-	-	-	-	-	-	-	-
B-2 Adaptable Communications Suite (ACS)	P40A		-	-	20.868	-	-	0.965	-	-	11.536	-	-	-	-	-	-	-	-	-
LOSSM - Structures	P40A		-	-	0.000	-	-	0.209	-	-	1.411	-	-	3.302	-	-	-	-	-	3.302
110052 LOSSM - Materials	P40A		-	-	0.000	-	-	1.572	-	-	1.703	-	-	0.785	-	-	-	-	-	0.785
LOSSM - Diagnostics	P40A		-	-	0.000	-	-	-	-	-	0.599	-	-	1.644	-	-	-	-	-	1.644
B-2 Stores Management Operation Flight Plan (SMOFP) Rehost	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B61-12 Integration	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Very Low Frequency Terminal	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-2 Low Cost Engine Modifications	P40A		-	-	6.118	-	-	-	-	-	0.383	-	-	1.313	-	-	-	-	-	1.313
LOW COST MODIFICATIONS	P40A		-	-	13.766	-	-	-	-	-	0.188	-	-	0.500	-	-	-	-	-	0.500
110026 - EHF SATCOM and Computers	P3A		-	-	-	-	-	50.318	-	-	53.816	-	-	7.469	-	-	-	-	-	7.469
110031 - B-2 Trainer System Upgrade	P3A		-	-	33.614	-	-	-	-	-	9.103	-	-	5.006	-	-	-	-	-	5.006
Total Gross/Weapon System Cost					**721.733**			**77.003**			**82.296**			**20.019**			**-**			**20.019**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Proximity Sensor Logic Unit PROM Replacement	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.330
LINK 16/CID/IFR	P40A		-	-	0.100	-	-	0.105	-	-	0.102	-	-	-	-	-	-	-	-	92.753
RADAR SYSTEM MODIFICATION	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	531.489
B-2 Massive Ordnance Penetrator (MOP) Integration	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46.598
B-2 Adaptable Communications Suite (ACS)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.369
LOSSM - Structures	P40A		-	-	4.116	-	-	3.682	-	-	4.409	-	-	3.514	-	-	-	-	-	20.643

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft

P-1 Line Item Nomenclature:
B00200 - B-2A

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0101127F

MDAP/MAIS Code(s): 224,376

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
110052 LOSSM - Materials	P40A		-	-	1.461	-	-	2.979	-	-	3.316	-	-	0.821	-	-	-	-	-	12.637
LOSSM - Diagnostics	P40A		-	-	2.613	-	-	1.982	-	-	1.072	-	-	4.621	-	-	-	-	-	12.531
B-2 Stores Management Operation Flight Plan (SMOFP) Rehost	P40A		-	-	-	-	-	12.100	-	-	8.900	-	-	-	-	-	-	-	-	21.000
B61-12 Integration	P40A		-	-	-	-	-	-	-	-	-	-	-	9.060	-	-	10.340	-	-	19.400
Common Very Low Frequency Terminal	P40A		-	-	-	-	-	19.351	-	-	18.905	-	-	9.472	-	-	-	-	-	47.728
B-2 Low Cost Engine Modifications	P40A		-	-	0.627	-	-	0.638	-	-	0.722	-	-	0.735	-	-	-	-	-	10.536
LOW COST MODIFICATIONS	P40A		-	-	0.533	-	-	0.551	-	-	0.617	-	-	0.628	-	-	-	-	-	16.783
110026 - EHF SATCOM and Computers	P3A		-	-	8.268	-	-	-	-	-	-	-	-	-	-	-	-	-	-	119.871
110031 - B-2 Trainer System Upgrade	P3A		-	-	6.477	-	-	6.630	-	-	7.776	-	-	7.916	-	-	-	-	-	76.522
Total Gross/Weapon System Cost					**24.195**			**48.018**			**45.820**			**36.767**			**10.340**			**1,066.191**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B00200 - B-2A	**Modification Nomenclature (*Modification Number - Modification Title*):** 110026 - EHF SATCOM and Computers
Models of Systems Affected: B-2	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101127F

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)*	-	50.318	53.816	7.469	-	7.469	8.268	-	-	-	-	119.871
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	50.318	53.816	7.469	-	7.469	8.268	-	-	-	-	119.871
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**50.318**	**53.816**	**7.469**	**-**	**7.469**	**8.268**	**-**	**-**	**-**	**-**	**119.871**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	6.481	3.736	-	3.736	0.932	0.470	-	-	-	11.619
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 aging Ultra High Frequency (UHF) Military Satellite Communications system is being phased out and replaced by the Advanced Extremely High Frequency (AEHF) Satellite Communications (SATCOM) system. The B-2 Extremely High Frequency (EHF) SATCOM program supports the replacement of the present UHF Terminal Set with an EHF SATCOM system that will be compatible with the legacy MILSTAR I/II satellite constellation
and the future AEHF satellite constellation. The B-2 EHF SATCOM system is one element of a system of systems that includes the AEHF satellites, multiple platforms, and the Family of Advanced Beyond-line-of-site Terminals (FAB-T) or other equivalent terminals as required.

The B-2 EHF SATCOM upgrade is a three increment program. Increment 1 provides upgraded flight management computer processors, increased data storage, re-hosted Flight Management Operational Flight Program, and a high bandwidth data bus to prevent degradation of existing capabilities resulting from EHF SATCOM installation. Additionally, the Increment 1 Integrated Processing Unit and Disk Drive Unit architectures establish a high speed fiber optic structure network as well as maintain connectivity to legacy interfaces. Increment 1 provides a processing growth path to future B-2 upgrades. EHF SATCOM Increment 2 ensures continuing two-way, secure, survivable communication capability. Increment 3 enables the B-2 to interface with the Global Information Grid and provides Net Ready capability. Modification MN-110026 addresses only Increment 1.

Effort validated by the B-2 EHF Increment 1 Capability Production Document (CPD).

Four kits were developed with Research Development Test and Evaluation (RDT&E) funds for three aircraft installs, which includes two Force Development Evaluation installs and one Developmental/ Operational Test aircraft install. The fourth development kit will be refurbished and utilized as a production install via procurement funding. Procurement funding will purchase the remaining 16 kits/installs for a total of 20 aircraft. Modification of the training system will be accomplished at the operational base and other locations as required. This effort also includes updating the aircrew and maintenance trainers and academics/courseware. The Production and Deployment phase acquisition strategy is based on a two lot buy: Low Rate Initial Production (LRIP)in FY12 and Full Rate Production in FY13. Funds on the Support Equipment line are for upgrades to related support equipment. The Air Force Review Board EHF Increment 1 LRIP Milestone C occurred 3 November 2011. The LRIP contract awarded 27 Sep 12 and FRP contract awarded 28 Dec 12. This program has associated RDT&E funding in PE 0604240F; PE was changed to 0101127F beginning in FY10.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B00200 - B-2A	**Modification Nomenclature (*Modification Number - Modification Title*):** 110026 - EHF SATCOM and Computers
Models of Systems Affected: B-2	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101127F

The "combined" install implementation method is a combination of depot and contractor field team installations.

Seventeen kits are installed with production funding and three kits are installed with RDT&E funding to complete all 20 B-2 aircraft.

Depot installation schedule is shown below. The complete (Contractor field team and Depot) 17 aircraft production-funded installation schedule is shown at the end of this exhibit.

	FY-14				FY-15				FY-16			
Quarter	1	2	3	4	1	2	3	4	1	2	3	4
Input		1	1		1	1						
Output						1		1	1	1		

Milestone/Development Status

RDT&E for EHF Increment 1 EMD awarded 31 May 2007. The system completed developmental flight testing phase in February 2012. The program successfully completed Initial Operational Testing and Evaluation in July 2012. The final operational test report was received 26 Oct 2012 in support of the Full Rate Production Decision scheduled 10 Dec 2012.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B00200 - B-2A	**Modification Nomenclature (*Modification Number - Modification Title*):** 110026 - EHF SATCOM and Computers
Models of Systems Affected: B-2	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101127F

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)*
RDT&E PE #												
0101127F	0 / 425.261	1 / 38.952	- / 6.336	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 470.549
Procurement												
EHF SATCOM and Computers												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	5 / 6.678	11 / 9.495	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 16.173
Subtotal Recurring	*0 / 0.000*	*5 / 6.678*	*11 / 9.495*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*16 / 16.173*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	5 / 32.265	11 / 40.122	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 72.387
EQUIPMENT Group B (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*0 / 0.000*	*5 / 32.265*	*11 / 40.122*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*16 / 72.387*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Secondary Distribution												
AF	0 / 0.000	5 / 50.318	11 / 52.684	- / 2.066	- / -	- / 2.066	- / 0.778	- / -	- / -	- / -	- / -	- / -
Total, EHF SATCOM and Computers	*0 / 0.000*	*5 / 38.943*	*11 / 49.617*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*16 / 88.560*
Total Procurement, All Modifications	*0 / 0.000*	*5 / 38.943*	*11 / 49.617*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*16 / 88.560*
Support												
SIM/TRAINER	0 / 0.000	- / 2.868	- / 0.700	- / 2.000	- / -	- / 2.000	- / 0.600	- / -	- / -	- / -	- / -	- / 6.168
SUPPORT- EQUIP	0 / 0.000	- / 8.507	- / 0.281	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.788
PMA	0 / 0.000	- / -	- / 2.086	- / 0.066	- / -	- / 0.066	- / 0.178	- / -	- / -	- / -	- / -	- / 2.330
Total Support, All Modifications	*0.000*	*11.375*	*3.067*	*2.066*	*-*	*2.066*	*0.778*	*-*	*-*	*-*	*-*	*17.286*
Total Procurement and Support	*0.000*	*50.318*	*52.684*	*2.066*	*-*	*2.066*	*0.778*	*-*	*-*	*-*	*-*	*105.846*
EHF SATCOM and Computers Installation Cost	0 / 0.000	- / -	1 / 1.132	6 / 5.403	- / -	6 / 5.403	10 / 7.490	- / -	- / -	- / -	- / -	17 / 14.025
Total Installation Cost	*0 / 0.000*	*- / -*	*1 / 1.132*	*6 / 5.403*	*- / -*	*6 / 5.403*	*10 / 7.490*	*- / -*	*- / -*	*- / -*	*- / -*	*17 / 14.025*
Total Cost (Procurement + Support + Installation)	**0.000**	**50.318**	**53.816**	**7.469**	**-**	**7.469**	**8.268**	**-**	**-**	**-**	**-**	**119.871**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B00200 - B-2A	**Modification Nomenclature (*Modification Number - Modification Title*):** 110026 - EHF SATCOM and Computers
Models of Systems Affected: B-2	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101127F

Manufacturer Information: EHF SATCOM and Computers

Manufacturer Name: Northrup Grumman	Manufacturer Location: El Segundo, CA
Administrative Leadtime *(in Months)*: 23	Production Leadtime *(in Months)*: 23

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

Installation: EHF SATCOM and Computers	Method of Implementation: Combination	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	1 / 1.132	5 / 4.503	- / -	5 / 4.503	- / -	- / -	- / -	- / -	- / -	6 / 5.635
Secondary Distribution - Air Force Active	- / -	- / -	1 / 1.132	5 / 4.503	- / -	5 / 4.503	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	1 / 0.900	- / -	1 / 0.900	10 / 7.490	- / -	- / -	- / -	- / -	11 / 8.390
Secondary Distribution - Air Force Active	- / -	- / -	- / -	1 / 0.900	- / -	1 / 0.900	10 / 7.490	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	1 / 1.132	6 / 5.403	- / -	6 / 5.403	10 / 7.490	- / -	- / -	- / -	- / -	17 / 14.025
Secondary Distribution - Air Force Active	- / -	- / -	1 / 1.132	6 / 5.403	- / -	6 / 5.403	10 / 7.490	- / -	- / -	- / -	- / -	- / -

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	0	-	-	-	-	-	-	-	1	-	1	2	3	2	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	17
Out	0	-	-	-	-	-	-	-	-	1	-	-	2	2	1	1	3	2	3	1	1	-	-	-	-	-	-	-	-	-	17

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B00200 - B-2A	**Modification Nomenclature (*Modification Number - Modification Title*):** 110031 - B-2 Trainer System Upgrade
Models of Systems Affected: B-2	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101127F

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)*	33.614	-	9.103	5.006	-	5.006	6.477	6.630	7.776	7.916	-	76.522
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	33.614	-	9.103	5.006	-	5.006	6.477	6.630	7.776	7.916	-	76.522
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**33.614**	**-**	**9.103**	**5.006**	**-**	**5.006**	**6.477**	**6.630**	**7.776**	**7.916**	**-**	**76.522**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 B-2 Training System upgrade program ensures concurrency with the aircraft, provides for the evolution of the B-2 Training System as dictated by technology, global threat, and national security realities, and enables the B-2 anti-access and global strike mission. The B-2 Training System provides initial qualification, proficiency, continuation, requalification, mission rehearsal, and upgrade training for B-2 aircrews, maintainers, and weapons loaders. It includes, but is not limited to, the following training elements at Whiteman AFB: three Weapon System Trainers (WSTs) with instructor-operator stations, a Mission Trainer (MT), four Cockpit Procedure Trainers (CPTs), a Weapons Loading Trainer (WLT); a Crew Escape System Maintenance Trainer (CESMT); a Flight Control System Trainer (FCST); and a Training System Support Center (TSSC). The B-2 Training System also includes five maintenance training classrooms each consisting of a Computerized Maintenance Training System (CMTS), six computer-based training (CBT) Weapon System Training Aids (WSTAs), and an instructor operator station.

Modification validated by B-2 ORD 007-89-111-A (Rev 11).

The B-2 Training System upgrade effort includes, but is not limited to, updates to training device hardware and computers, simulation software, courseware lessons and academics materials, instructional system design architectures, engineering drawings, and system documentation not driven by a funded aircraft modification. These upgrades are ongoing and necessary to ensure concurrency with the B-2 weapon system while providing the combat fidelity necessary to train operational and warfighter employment requirements, preserving precious flight hours, avoiding 30-40 hour on-aircraft training sorties or committing an aircraft to maintenance and weapons loading training. Upgrades include, but not limited to, updates to threat systems parametric and order of battle information, upgrade of radar emulation components and capabilities in the WSTs/MT, updates of display systems and subsystems, fidelity upgrades of the WST to more precisely resemble air refueling and approach/landing procedures experienced in the jet. Additional improvements include updates to courseware and simulation associated with conventional, nuclear, and guided weapons delivery, expanded crypto keyfill training, upgrade of the electronic combat environment threat database tools to include but not limited to, threat laydown, threat parametrics, and Integrated Air Defense System threat environments. Improvements will also include expanded "freeplay" capability on the CPTs and CMTSs, upgrade of the WST simulation to provide weapons as powered up upon completion of initial conditions, upgrade of the current Defensive Management System (DMS) simulation and the DMS alternative/emergency procedures courseware, upgrade of the Mission Generation System, upgrade of the Suppressor tool, and upgrade of the simulation and computational processors as necessary. Life of Type buys may be implemented when appropriate to address diminishing manufacturing sources and materiel shortages for affected components and subassemblies to protect the planned production program by mitigating unplanned part redesign and requalification risks.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B00200 - B-2A	**Modification Nomenclature (*Modification Number - Modification Title*):** 110031 - B-2 Trainer System Upgrade
Models of Systems Affected: B-2	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101127F

Quantities and delivery dates have not been included because of the wide variety of ongoing modification efforts to the various elements of the B-2 Training System. B-2 Training System funding includes aircraft modification funds from PE 0809731F specifically for the maintenance training system. These amounts are reflected on the P3-A in the "EQUIPMENT Group B (Active)" row.

Milestone/Development Status

Development of B-2 Training System upgrades is a continuous process relative to the needs of each funded effort. Some efforts do not require Research Development Test and Evaluation (RDT&E) funds, while others require design and test activities. This program has associated RDT&E funding in PE 0101127F.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B00200 - B-2A	**Modification Nomenclature (*Modification Number - Modification Title*):** 110031 - B-2 Trainer System Upgrade
Models of Systems Affected: B-2	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101127F

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)*
RDT&E PE #												
0101127F	0 / 12.212	- / 0.234	- / 0.481	- / 0.478	- / -	- / 0.478	- / 0.475	- / 0.483	- / 0.491	- / 0.500	- / -	- / 15.354
Procurement												
B-2 Trainer System Upgrade												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 5.065	- / -	- / 4.065	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.130
Subtotal Recurring	*0 / 5.065*	*- / -*	*- / 4.065*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 9.130*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 5.429	- / -	- / 4.038	- / 5.006	- / -	- / 5.006	- / 6.477	- / 6.630	- / 7.776	- / 7.916	- / -	- / 43.272
Subtotal Recurring	*0 / 5.429*	*- / -*	*- / 4.038*	*- / 5.006*	*- / -*	*- / 5.006*	*- / 6.477*	*- / 6.630*	*- / 7.776*	*- / 7.916*	*- / -*	*- / 43.272*
Secondary Distribution												
AF	0 / 33.614	- / -	- / 9.103	- / 5.006	- / -	- / 5.006	- / 6.477	- / 6.630	- / 7.776	- / 7.916	- / -	- / -
Total, B-2 Trainer System Upgrade	*0 / 10.494*	*- / -*	*- / 8.103*	*- / 5.006*	*- / -*	*- / 5.006*	*- / 6.477*	*- / 6.630*	*- / 7.776*	*- / 7.916*	*- / -*	*- / 52.402*
Total Procurement, All Modifications	*0 / 10.494*	*- / -*	*- / 8.103*	*- / 5.006*	*- / -*	*- / 5.006*	*- / 6.477*	*- / 6.630*	*- / 7.776*	*- / 7.916*	*- / -*	*- / 52.402*
Support												
CHANGE ORDERS	0 / 2.818	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.818
SIM/TRAINER	0 / 19.735	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.735
PMA	0 / 0.567	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.567
Total Support, All Modifications	*23.120*	*-*	*1.000*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*24.120*
Total Procurement and Support	*33.614*	*-*	*9.103*	*5.006*	*-*	*5.006*	*6.477*	*6.630*	*7.776*	*7.916*	*-*	*76.522*
Total Installation Cost	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total Cost (Procurement + Support + Installation)	**33.614**	**-**	**9.103**	**5.006**	**-**	**5.006**	**6.477**	**6.630**	**7.776**	**7.916**	**-**	**76.522**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B00200 - B-2A	**Modification Nomenclature (*Modification Number - Modification Title*):** 110031 - B-2 Trainer System Upgrade
Models of Systems Affected: B-2	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101127F

Manufacturer Information: B-2 Trainer System Upgrade

Manufacturer Name: L3 Comm	Manufacturer Location: Binghampton, NY
Administrative Leadtime *(in Months)*: 0	Production Leadtime *(in Months)*: 0

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

Installation: B-2 Trainer System Upgrade	**Method of Implementation:** Org/Intermediate	**Installation Quantity:** 0

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0101126F, 0207446F, 0809731F

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)*	358.329	198.007	149.756	132.222	-	132.222	141.643	130.423	102.804	70.212	142.182	1,425.578
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	358.329	198.007	149.756	132.222	-	132.222	141.643	130.423	102.804	70.212	142.182	1,425.578
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**358.329**	**198.007**	**149.756**	**132.222**	**-**	**132.222**	**141.643**	**130.423**	**102.804**	**70.212**	**142.182**	**1,425.578**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 B-1B Lancer is a swing-wing, supersonic, long-range, conventional bomber. It carries the largest payload of both guided and unguided weapons in the Air Force inventory. The multi-mission B-1B is the backbone of America's long-range bomber force and can rapidly deliver massive quantities of precision and non-precision weapons against any adversary, anywhere in the world, at any time. The current service life extends beyond 2040.

This line item funds modifications to the B-1B aircraft and associated simulators and equipment. The specific modifications budgeted and programmed are below.

Funding for this exhibit contained in PE 0101126F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	198.007	149.756	132.222	-	132.222	141.643	130.423	102.804	70.212

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft

P-1 Line Item Nomenclature:
B01B00 - B-1B

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0101126F, 0207446F, 0809731F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Self Contained Attitude Indicator	P40A		-	-	0.000	-	-	-	-	-	-	-	-	1.837	-	-	-	-	-	1.837
Simulator Digital Control Loading	P40A		-	-	0.000	-	-	-	-	-	2.700	-	-	2.800	-	-	-	-	-	2.800
Gyro Stabilization System (GSS)	P40A		-	-	51.712	-	-	4.164	-	-	4.526	-	-	3.957	-	-	-	-	-	3.957
B-1 TRAINING SUPPORT	P40A		-	-	0.779	-	-	0.301	-	-	0.269	-	-	0.333	-	-	-	-	-	0.333
Digital Communications	P40A		-	-	31.605	-	-	2.600	-	-	-	-	-	0.257	-	-	-	-	-	0.257
RADAR IMPROVEMENT UPGRADE	P40A		-	-	112.372	-	-	44.302	-	-	10.512	-	-	1.595	-	-	-	-	-	1.595
B-1 Link 16 Crypto	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAPTOP CONTROLLED TARGETING POD	P40A		-	-	0.000	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
Pylon for External Stores	P40A		-	-	42.386	-	-	0.500	-	-	-	-	-	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	P40A		-	-	1.126	-	-	1.712	-	-	1.251	-	-	0.100	-	-	-	-	-	0.100
4280 - FULLY INTEGRATED DATA LINKS	P3A		-	-	56.891	-	-	58.855	-	-	57.074	-	-	53.895	-	-	-	-	-	53.895
4284 - CITS UPGRADE	P3A		-	-	19.172	-	-	15.683	-	-	17.548	-	-	15.404	-	-	-	-	-	15.404
4286 - Inertial Navigation System (INS)	P3A		-	-	13.563	-	-	36.018	-	-	21.447	-	-	11.041	-	-	-	-	-	11.041
8971 - VERTICAL SITUATION DISPLAYS	P3A		-	-	28.723	-	-	33.872	-	-	34.429	-	-	40.903	-	-	-	-	-	40.903
Total Gross/Weapon System Cost					**358.329**			**198.007**			**149.756**			**132.222**			**-**			**132.222**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Self Contained Attitude Indicator	P40A		-	-	3.531	-	-	3.562	-	-	-	-	-	-	-	-	-	-	-	8.930
Simulator Digital Control Loading	P40A		-	-	2.900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.400
Gyro Stabilization System (GSS)	P40A		-	-	0.701	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65.060
B-1 TRAINING SUPPORT	P40A		-	-	0.431	-	-	0.442	-	-	0.450	-	-	0.458	-	-	-	-	-	3.463
Digital Communications	P40A		-	-	0.100	-	-	0.100	-	-	0.100	-	-	0.100	-	-	0.200	-	-	35.062
RADAR IMPROVEMENT UPGRADE	P40A		-	-	1.265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170.046

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft

P-1 Line Item Nomenclature:
B01B00 - B-1B

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0101126F, 0207446F, 0809731F

MDAP/MAIS Code(s):

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
B-1 Link 16 Crypto	P40A		-	-	0.225	-	-	0.140	-	-	0.129	-	-	-	-	-	-	-	-	0.494
LAPTOP CONTROLLED TARGETING POD	P40A		-	-	0.100	-	-	0.100	-	-	0.100	-	-	0.100	-	-	-	-	-	0.500
Pylon for External Stores	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.886
LOW COST MODIFICATIONS	P40A		-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.289
4280 - FULLY INTEGRATED DATA LINKS	P3A		-	-	57.042	-	-	57.883	-	-	45.845	-	-	26.569	-	-	54.822	-	-	468.876
4284 - CITS UPGRADE	P3A		-	-	21.483	-	-	20.724	-	-	16.684	-	-	12.414	-	-	25.275	-	-	164.387
4286 - Inertial Navigation System (INS)	P3A		-	-	8.781	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.850
8971 - VERTICAL SITUATION DISPLAYS	P3A		-	-	44.984	-	-	47.472	-	-	39.496	-	-	30.571	-	-	61.885	-	-	362.335
Total Gross/Weapon System Cost					**141.643**			**130.423**			**102.804**			**70.212**			**142.182**			**1,425.578**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 4280 - FULLY INTEGRATED DATA LINKS
Models of Systems Affected: B-1B	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101126F

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)*	56.891	58.855	57.074	53.895	-	53.895	57.042	57.883	45.845	26.569	54.822	468.876
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	56.891	58.855	57.074	53.895	-	53.895	57.042	57.883	45.845	26.569	54.822	468.876
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**56.891**	**58.855**	**57.074**	**53.895**	**-**	**53.895**	**57.042**	**57.883**	**45.845**	**26.569**	**54.822**	**468.876**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Fully Integrated Data Link (FIDL) is a net-centric warfare upgrade enabling full B-1B participation in joint combat and time-critical targeting operations. FIDL adds line-of-sight and beyond line-of-sight command and control (C2) connectivity through the addition of Link 16 and Joint Range Extension (JRE) data link. Modification funds will procure and install two tactical data processors and five multi-function displays for the B-1B aft crew stations. This modification also adds an Ethernet infrastructure enabling rapid airborne retargeting by high-speed transfer of aircraft information to all four crew stations and on-board weapons. FIDL installations are scheduled concurrently with Central Integrated Test System (CITS) and Vertical Situation Display Upgrade (VSDU) to reduce installation costs, aircraft downtime, and to keep fielded aircraft configurations to a minimum for aircrew training, maintenance, and operational deployment efficiencies. Modification funding is being used to alleviate Diminishing Manufacturing Sources (DMS) and Material Shortages (DMSMS) issues. DMSMS activities can include, but are not limited to life of type buy or minor redesign. Procurement modification funding will be used to establish depot repair capability and for Interim Contractor Support (ICS). Activities comprised in the equipment non-recurring line including DMS, production test equipment, and tooling. Group B non-recurring also includes Systems Engineering Program Management (SEPM). Modification funding will be used to procure components/line replacement units (LRUs) to upgrade test aircraft with production representative assets.

ORD: B-1B Conventional Mission Upgrade Program (26 Jan 05)
(ORD CAF-357-92 (SAC 007-92) I/II-A, Rev 2, Annex A)

Milestone/Development Status

Phase II flight test started June 2010 and completed June 2011. Software correction verification flight was completed in May 2012.

Two aircraft were modified using Research Development Test and Evaluation (RDT&E) funding in PE 0604226F / 0101126F.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 4280 - FULLY INTEGRATED DATA LINKS
Models of Systems Affected: B-1B	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101126F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 4280 - FULLY INTEGRATED DATA LINKS
Models of Systems Affected: B-1B	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101126F

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)*
RDT&E PE #												
0101126F	0 / 160.602	- / 2.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 162.802
Procurement												
FULLY INTEGRATED DATA LINKS												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	4 / 1.489	9 / 2.989	10 / 3.321	10 / 3.379	- / -	10 / 3.379	10 / 3.481	10 / 3.585	4 / 1.822	4 / 1.997	- / -	61 / 22.063
Subtotal Recurring	*4 / 1.489*	*9 / 2.989*	*10 / 3.321*	*10 / 3.379*	*- / -*	*10 / 3.379*	*10 / 3.481*	*10 / 3.585*	*4 / 1.822*	*4 / 1.997*	*- / -*	*61 / 22.063*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	4 / 8.234	9 / 16.508	10 / 18.264	10 / 18.620	- / -	10 / 18.620	10 / 19.178	10 / 19.754	4 / 9.763	4 / 9.925	- / -	61 / 120.246
Subtotal Recurring	*4 / 8.234*	*9 / 16.508*	*10 / 18.264*	*10 / 18.620*	*- / -*	*10 / 18.620*	*10 / 19.178*	*10 / 19.754*	*4 / 9.763*	*4 / 9.925*	*- / -*	*61 / 120.246*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 35.957	- / 11.975	- / 7.918	- / 7.914	- / -	- / 7.914	- / 6.036	- / 6.190	- / 5.482	- / 4.237	- / -	- / 85.709
Subtotal Non-Recurring	*0 / 35.957*	*- / 11.975*	*- / 7.918*	*- / 7.914*	*- / -*	*- / 7.914*	*- / 6.036*	*- / 6.190*	*- / 5.482*	*- / 4.237*	*- / -*	*- / 85.709*
Secondary Distribution												
AF	4 / 56.891	9 / 56.451	10 / 50.907	10 / 42.674	- / -	10 / 42.674	10 / 41.677	10 / 41.631	4 / 29.520	4 / 19.567	- / -	- / -
Total, FULLY INTEGRATED DATA LINKS	*4 / 45.680*	*9 / 31.472*	*10 / 29.503*	*10 / 29.913*	*- / -*	*10 / 29.913*	*10 / 28.695*	*10 / 29.529*	*4 / 17.067*	*4 / 16.159*	*- / -*	*61 / 228.018*
Total Procurement, All Modifications	*4 / 45.680*	*9 / 31.472*	*10 / 29.503*	*10 / 29.913*	*- / -*	*10 / 29.913*	*10 / 28.695*	*10 / 29.529*	*4 / 17.067*	*4 / 16.159*	*- / -*	*61 / 228.018*
Support												
CHANGE ORDERS	0 / 0.000	- / 8.858	- / 4.522	- / 2.798	- / -	- / 2.798	- / 1.301	- / 1.310	- / 1.297	- / 0.224	- / 0.082	- / 20.392
DATA	0 / 1.348	- / 0.623	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.971
SIM/TRAINER	0 / 0.000	- / -	- / 2.273	- / 1.230	- / -	- / 1.230	- / 1.548	- / -	- / -	- / -	- / -	- / 5.051
SUPPORT- EQUIP	0 / 7.151	- / 11.582	- / 9.005	- / 4.255	- / -	- / 4.255	- / 0.200	- / -	- / -	- / -	- / -	- / 32.193
Depot Stand-up	0 / 0.000	- / -	- / 0.767	- / -	- / -	- / -	- / 4.496	- / 4.573	- / 4.831	- / 0.073	- / 9.409	- / 24.149
ICS-Labor	0 / 0.000	- / -	- / 0.525	- / 0.420	- / -	- / 0.420	- / 1.063	- / 1.693	- / 2.226	- / 1.105	- / 6.895	- / 13.927
OTHER GOVT	0 / 2.539	- / 3.130	- / 1.078	- / 1.270	- / -	- / 1.270	- / 1.351	- / 1.296	- / 0.833	- / 2.006	- / 6.075	- / 19.578
PMA - Contractor Services	0 / 0.156	- / 0.707	- / 2.251	- / 1.694	- / -	- / 1.694	- / 2.485	- / 2.649	- / 2.672	- / -	- / -	- / 12.614
PMA - Other Gov't Costs	0 / 0.017	- / 0.079	- / 0.983	- / 1.094	- / -	- / 1.094	- / 0.538	- / 0.581	- / 0.594	- / -	- / -	- / 3.886
Total Support, All Modifications	*11.211*	*24.979*	*21.404*	*12.761*	*-*	*12.761*	*12.982*	*12.102*	*12.453*	*3.408*	*22.461*	*133.761*

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 4280 - FULLY INTEGRATED DATA LINKS
Models of Systems Affected: B-1B	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101126F

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 Procurement and Support	*56.891*	*56.451*	*50.907*	*42.674*	*-*	*42.674*	*41.677*	*41.631*	*29.520*	*19.567*	*22.461*	*361.779*
FULLY INTEGRATED DATA LINKS Installation Cost	0 / 0.000	1 / 2.404	3 / 6.167	7 / 11.221	- / -	7 / 11.221	10 / 15.365	10 / 16.252	9 / 16.325	5 / 7.002	16 / 32.361	61 / 107.097
Total Installation Cost	*0 / 0.000*	*1 / 2.404*	*3 / 6.167*	*7 / 11.221*	*- / -*	*7 / 11.221*	*10 / 15.365*	*10 / 16.252*	*9 / 16.325*	*5 / 7.002*	*16 / 32.361*	*61 / 107.097*
Total Cost (Procurement + Support + Installation)	**56.891**	**58.855**	**57.074**	**53.895**	**-**	**53.895**	**57.042**	**57.883**	**45.845**	**26.569**	**54.822**	**468.876**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 4280 - FULLY INTEGRATED DATA LINKS

Models of Systems Affected: B-1B	Type Modification: Capability Improvement	Related RDT&E PEs: 0101126F

Manufacturer Information: FULLY INTEGRATED DATA LINKS

Manufacturer Name: Boeing	Manufacturer Location: Oklahoma City, OK
Administrative Leadtime *(in Months)*: 5	Production Leadtime *(in Months)*: 18

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Jun 2012	Apr 2013	Feb 2014	Feb 2015	Feb 2016	Feb 2017	Feb 2018
Delivery Dates	Dec 2013	Oct 2014	Aug 2015	Aug 2016	Aug 2017	Aug 2018	Aug 2019

Installation: FULLY INTEGRATED DATA LINKS	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	- / -	1 / 2.404	3 / 6.167	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	4 / 8.571
Secondary Distribution - Air Force Active	- / -	1 / 2.404	3 / 6.167	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	7 / 11.221	- / -	7 / 11.221	2 / 3.073	- / -	- / -	- / -	- / -	9 / 14.294
Secondary Distribution - Air Force Active	- / -	- / -	- / -	7 / 11.221	- / -	7 / 11.221	2 / 3.073	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	8 / 12.292	2 / 3.250	- / -	- / -	- / -	10 / 15.542
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	8 / 12.292	2 / 3.250	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 13.002	2 / 3.628	- / -	- / -	10 / 16.630
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 13.002	2 / 3.628	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 12.697	3 / 4.201	- / -	10 / 16.898
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 12.697	3 / 4.201	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.801	8 / 15.761	10 / 18.562
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.801	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 8.160	4 / 8.160
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 8.440	4 / 8.440
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 2.404	3 / 6.167	7 / 11.221	- / -	7 / 11.221	10 / 15.365	10 / 16.252	9 / 16.325	5 / 7.002	16 / 32.361	61 / 107.097
Secondary Distribution - Air Force Active	- / -	1 / 2.404	3 / 6.167	7 / 11.221	- / -	7 / 11.221	10 / 15.365	10 / 16.252	9 / 16.325	5 / 7.002	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 4280 - FULLY INTEGRATED DATA LINKS
Models of Systems Affected: B-1B	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101126F

Installation: FULLY INTEGRATED DATA LINKS	**Method of Implementation:** Depot	**Installation Name:**

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	0	-	-	-	1	-	-	1	2	-	2	3	2	3	2	3	2	3	2	3	2	2	2	3	2	1	1	1	2	16	61
Out	0	-	-	-	-	-	-	-	1	-	2	1	1	2	3	3	2	2	3	3	2	3	3	2	2	3	2	1	2	18	61

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 4284 - CITS UPGRADE
Models of Systems Affected: B-1B	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0101126F

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)*	19.172	15.683	17.548	15.404	-	15.404	21.483	20.724	16.684	12.414	25.275	164.387
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	19.172	15.683	17.548	15.404	-	15.404	21.483	20.724	16.684	12.414	25.275	164.387
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**19.172**	**15.683**	**17.548**	**15.404**	**-**	**15.404**	**21.483**	**20.724**	**16.684**	**12.414**	**25.275**	**164.387**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Central Integrated Test System (CITS) is the B-1B on-board diagnostic system that monitors aircraft avionics and mechanical systems on the ground and during flight, reporting faults to aircrew and maintainers. The current CITS suffers from Diminishing Manufacturing Source (DMS) issues with the potential to ground aircraft. Current CITS processor is also at maximum memory/throughput, inhibiting fault detection and isolation for current systems and future B-1B upgrades. Modification funds will procure and install Group A and Group B kits for the CITS modernization upgrade to the B-1B. This modification provides a new CITS Dedicated Processor (CDP), upgraded Multi-Functional Display (MFD), and re-hosted CITS software, resulting in enhanced diagnostic capabilities, improved turnaround time, and reduced maintenance costs. CITS installations are scheduled concurrently with the Fully Integrated Data Link (FIDL) and the Vertical Situation Display Upgrade (VSDU) to reduce installation costs, aircraft downtime, and to keep fielded aircraft configurations to a minimum for aircrew training, maintenance, and operational deployment efficiencies. Modification funding is being used to alleviate Diminishing Manufacturing Sources and Material Shortages (DMSMS). DMSMS activities can include, but are not limited to, life of type buy or minor redesign. Procurement modification funding will be used to establish depot repair capability and for Interim Contractor Support (ICS). Activities comprised in the equipment non-recurring line include, but are not limited to, DMS, production test equipment, and tooling. Group B non-recurring also includes Systems Engineering Program Management (SEPM). Modification funding will be used to procure components/LRUs to upgrade test aircraft with production representative assets.

ORD: B-1B Conventional Mission Upgrade Program (26 Jan 05)
(ORD CAF-357-92 (SAC 007-92) I/II-A, Rev 2, Annex A)

Milestone/Development Status

The Engineering & Manufacturing Development phase completed Oct 10.

Two aircraft were modified using Research Development Test and Evaluation (RDT&E) funding in PE 0604226F / 0101126F.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 4284 - CITS UPGRADE
Models of Systems Affected: B-1B	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0101126F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 4284 - CITS UPGRADE
Models of Systems Affected: B-1B	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0101126F

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)*
RDT&E PE #												
0101126F	0 / 49.635	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 49.635
Procurement												
CITS UPGRADE												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	4 / 0.368	9 / 0.777	10 / 0.862	10 / 0.877	- / -	10 / 0.877	10 / 0.903	10 / 0.930	4 / 0.473	4 / 0.518	- / -	61 / 5.708
Subtotal Recurring	*4 / 0.368*	*9 / 0.777*	*10 / 0.862*	*10 / 0.877*	*- / -*	*10 / 0.877*	*10 / 0.903*	*10 / 0.930*	*4 / 0.473*	*4 / 0.518*	*- / -*	*61 / 5.708*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	4 / 1.141	9 / 2.361	10 / 2.594	10 / 2.640	- / -	10 / 2.640	10 / 2.719	10 / 2.801	4 / 1.267	4 / 1.344	- / -	61 / 16.867
Subtotal Recurring	*4 / 1.141*	*9 / 2.361*	*10 / 2.594*	*10 / 2.640*	*- / -*	*10 / 2.640*	*10 / 2.719*	*10 / 2.801*	*4 / 1.267*	*4 / 1.344*	*- / -*	*61 / 16.867*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 14.351	- / 5.087	- / 4.272	- / 3.344	- / -	- / 3.344	- / 2.933	- / 2.808	- / 2.294	- / 2.186	- / -	- / 37.275
Subtotal Non-Recurring	*0 / 14.351*	*- / 5.087*	*- / 4.272*	*- / 3.344*	*- / -*	*- / 3.344*	*- / 2.933*	*- / 2.808*	*- / 2.294*	*- / 2.186*	*- / -*	*- / 37.275*
Secondary Distribution												
AF	4 / 19.172	9 / 14.713	10 / 14.294	10 / 9.975	- / -	10 / 9.975	10 / 12.059	10 / 11.335	4 / 8.243	4 / 7.054	- / -	- / -
Total, CITS UPGRADE	*4 / 15.860*	*9 / 8.225*	*10 / 7.728*	*10 / 6.861*	*- / -*	*10 / 6.861*	*10 / 6.555*	*10 / 6.539*	*4 / 4.034*	*4 / 4.048*	*- / -*	*61 / 59.850*
Total Procurement, All Modifications	*4 / 15.860*	*9 / 8.225*	*10 / 7.728*	*10 / 6.861*	*- / -*	*10 / 6.861*	*10 / 6.555*	*10 / 6.539*	*4 / 4.034*	*4 / 4.048*	*- / -*	*61 / 59.850*
Support												
CHANGE ORDERS	0 / 0.000	- / 3.140	- / 2.031	- / 0.823	- / -	- / 0.823	- / 0.846	- / 0.550	- / 0.335	- / 0.146	- / 0.035	- / 7.906
DATA	0 / 1.122	- / 0.262	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.384
SIM/TRAINER	0 / 0.000	- / -	- / 0.758	- / 0.410	- / -	- / 0.410	- / 0.516	- / -	- / -	- / -	- / -	- / 1.684
SUPPORT- EQUIP	0 / 0.522	- / 1.152	- / 1.538	- / 0.108	- / -	- / 0.108	- / 0.049	- / -	- / -	- / -	- / -	- / 3.369
ICS-Labor	0 / 0.000	- / -	- / 0.063	- / 0.068	- / -	- / 0.068	- / 0.111	- / 0.166	- / 0.196	- / 0.134	- / 0.575	- / 1.313
OTHER GOVT	0 / 1.485	- / 1.651	- / 0.819	- / 0.675	- / -	- / 0.675	- / 0.709	- / 0.808	- / 0.638	- / 0.992	- / 2.391	- / 10.168
Depot Stand-up	0 / 0.000	- / -	- / 0.366	- / -	- / -	- / -	- / 2.143	- / 2.180	- / 1.956	- / 1.734	- / 4.486	- / 12.865
PMA - Contractor Services	0 / 0.167	- / -	- / 0.690	- / 0.626	- / -	- / 0.626	- / 0.929	- / 0.895	- / 0.887	- / -	- / -	- / 4.194
PMA - Other Gov't Costs	0 / 0.016	- / 0.283	- / 0.301	- / 0.404	- / -	- / 0.404	- / 0.201	- / 0.197	- / 0.197	- / -	- / -	- / 1.599
Total Support, All Modifications	*3.312*	*6.488*	*6.566*	*3.114*	*-*	*3.114*	*5.504*	*4.796*	*4.209*	*3.006*	*7.487*	*44.482*
Total Procurement and Support	*19.172*	*14.713*	*14.294*	*9.975*	*-*	*9.975*	*12.059*	*11.335*	*8.243*	*7.054*	*7.487*	*104.332*

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 4284 - CITS UPGRADE
Models of Systems Affected: B-1B	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0101126F

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)*
CITS UPGRADE Installation Cost	0 / 0.000	1 / 0.970	3 / 3.254	7 / 5.429	- / -	7 / 5.429	10 / 9.424	10 / 9.389	9 / 8.441	5 / 5.360	16 / 17.788	61 / 60.055
Total Installation Cost	*0 / 0.000*	*1 / 0.970*	*3 / 3.254*	*7 / 5.429*	*- / -*	*7 / 5.429*	*10 / 9.424*	*10 / 9.389*	*9 / 8.441*	*5 / 5.360*	*16 / 17.788*	*61 / 60.055*
Total Cost (Procurement + Support + Installation)	**19.172**	**15.683**	**17.548**	**15.404**	**-**	**15.404**	**21.483**	**20.724**	**16.684**	**12.414**	**25.275**	**164.387**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 4284 - CITS UPGRADE
Models of Systems Affected: B-1B	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0101126F

Manufacturer Information: CITS UPGRADE

Manufacturer Name: Boeing	Manufacturer Location: Oklahoma City, OK
Administrative Leadtime *(in Months)*: 5	Production Leadtime *(in Months)*: 18

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Jun 2012	Apr 2013	Feb 2014	Feb 2015	Feb 2016	Feb 2017	Feb 2018
Delivery Dates	Dec 2013	Oct 2014	Aug 2015	Aug 2016	Aug 2017	Aug 2018	Aug 2019

Installation: CITS UPGRADE	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	- / -	1 / 0.970	3 / 3.254	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	4 / 4.224
Secondary Distribution - Air Force Active	- / -	1 / 0.970	3 / 3.254	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	7 / 5.429	- / -	7 / 5.429	2 / 1.885	- / -	- / -	- / -	- / -	9 / 7.314
Secondary Distribution - Air Force Active	- / -	- / -	- / -	7 / 5.429	- / -	7 / 5.429	2 / 1.885	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	8 / 7.539	2 / 1.878	- / -	- / -	- / -	10 / 9.417
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	8 / 7.539	2 / 1.878	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 7.511	2 / 1.876	- / -	- / -	10 / 9.387
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 7.511	2 / 1.876	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 6.565	3 / 3.216	- / -	10 / 9.781
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 6.565	3 / 3.216	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.144	8 / 8.684	10 / 10.828
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.144	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 4.482	4 / 4.482
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 4.622	4 / 4.622
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 0.970	3 / 3.254	7 / 5.429	- / -	7 / 5.429	10 / 9.424	10 / 9.389	9 / 8.441	5 / 5.360	16 / 17.788	61 / 60.055
Secondary Distribution - Air Force Active	- / -	1 / 0.970	3 / 3.254	7 / 5.429	- / -	7 / 5.429	10 / 9.424	10 / 9.389	9 / 8.441	5 / 5.360	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature** (*Modification Number - Modification Title*): 4284 - CITS UPGRADE
Models of Systems Affected: B-1B	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0101126F

Installation: CITS UPGRADE	**Method of Implementation:** Depot	**Installation Name:**

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	0	-	-	-	1	-	-	1	2	-	2	3	2	3	2	3	2	3	2	3	2	2	2	3	2	1	1	1	2	16	61
Out	0	-	-	-	-	-	-	-	1	-	2	1	1	2	3	3	2	2	3	3	2	3	3	2	2	3	2	1	2	18	61

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 4286 - Inertial Navigation System (INS)
Models of Systems Affected: B-1B	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101126F

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)*	13.563	36.018	21.447	11.041	-	11.041	8.781	-	-	-	-	90.850
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	13.563	36.018	21.447	11.041	-	11.041	8.781	-	-	-	-	90.850
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**13.563**	**36.018**	**21.447**	**11.041**	**-**	**11.041**	**8.781**	**-**	**-**	**-**	**-**	**90.850**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 B-1 Inertial Navigation System (INS), coupled with the Gyro Stabilization System (GSS), provides the aircrew autonomous capability to navigate globally, without the aid of ground-based navigation aids, as well as engage targets with a high level of precision. The current INS system has Diminishing Manufacturing Sources (DMS) issues with the potential to ground aircraft in FY14. The INS Replacement (INS-R) program started delivery in FY12 and is made up of the following Line Replaceable Units (LRUs): two new Attitude/INS (AINS), which include an embedded Selective Availability Anti-Spoofing Security Module (SAASM) and Global Positioning System (GPS) receiver; and a second GPS Controlled Reception Pattern Antenna (CRPA). INS-R will provide B-1 combat forces with an updated navigational system that improves aircraft maintainability, supportability, and navigation capability. Modification funding will be used for DMS and material shortages. DMS and material shortages activities can include, but are not limited to, life of type buy or minor redesign. Installation is being completed by Contractor Field Team (CFT). Procurement modification funding will be used to establish depot repair capability. Activities included in the equipment non-recurring line include, but are not limited to, tooling and vendor DMS management/engineering support. Group B also includes Systems Engineering Program Management (SEPM), and modification of spares.

ORD: B-1B Conventional Mission Upgrade Program (26 Jan 05)
(ORD CAF-357-92 (SAC 007-92) I/II-A, Rev 2, Annex A)

Milestone/Development Status

System Development and Demonstration (SDD) contract award was Mar 08, Critical Design Review (CDR) completed May 09, CDR closeout Aug 09, mod install on test aircraft began Mar 10, mod install completed Jun 10, software development Formal Qualification Test (FQT) was Jul 10, Milestone C was 22 Oct 10. Flight test is complete. SDD contract completed in Jan 12.

Three aircraft have been modified as a part of the development program and funded with RDT&E funding in PE 0604226F / 0101126F.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 4286 - Inertial Navigation System (INS)
Models of Systems Affected: B-1B	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101126F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 4286 - Inertial Navigation System (INS)
Models of Systems Affected: B-1B	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101126F

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)*
RDT&E PE #												
0101126F	0 / 88.710	- / 0.315	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 89.025
Procurement												
Inertial Navigation System (INS)												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	17 / 2.461	31 / 2.592	12 / 0.763	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 5.816
Subtotal Recurring	*17 / 2.461*	*31 / 2.592*	*12 / 0.763*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*60 / 5.816*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	17 / 7.906	31 / 10.370	12 / 3.053	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 21.329
Subtotal Recurring	*17 / 7.906*	*31 / 10.370*	*12 / 3.053*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*60 / 21.329*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 2.002	- / 15.688	- / 5.481	- / 0.124	- / -	- / 0.124	- / 0.075	- / -	- / -	- / -	- / -	- / 23.370
Subtotal Non-Recurring	*0 / 2.002*	*- / 15.688*	*- / 5.481*	*- / 0.124*	*- / -*	*- / 0.124*	*- / 0.075*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 23.370*
Secondary Distribution												
AF	17 / 13.563	31 / 33.411	12 / 14.955	- / 2.166	- / -	- / 2.166	- / 1.873	- / -	- / -	- / -	- / -	- / -
Total, Inertial Navigation System (INS)	*17 / 12.369*	*31 / 28.650*	*12 / 9.297*	*- / 0.124*	*- / -*	*- / 0.124*	*- / 0.075*	*- / -*	*- / -*	*- / -*	*- / -*	*60 / 50.515*
Total Procurement, All Modifications	*17 / 12.369*	*31 / 28.650*	*12 / 9.297*	*- / 0.124*	*- / -*	*- / 0.124*	*- / 0.075*	*- / -*	*- / -*	*- / -*	*- / -*	*60 / 50.515*
Support												
CHANGE ORDERS	0 / 0.000	- / -	- / 1.444	- / 0.998	- / -	- / 0.998	- / 0.387	- / -	- / -	- / -	- / -	- / 2.829
SIM/TRAINER	0 / 0.000	- / 2.486	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.486
OTHER GOVT	0 / 0.099	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.099
GFE	0 / 0.668	- / 1.332	- / 1.492	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.492
PMA - Contractor Services	0 / 0.320	- / 0.595	- / 1.305	- / 0.446	- / -	- / 0.446	- / 0.488	- / -	- / -	- / -	- / -	- / 3.154
PMA - Other Gov't Costs	0 / 0.107	- / 0.198	- / 0.435	- / 0.149	- / -	- / 0.149	- / 0.163	- / -	- / -	- / -	- / -	- / 1.052
Depot Stand-up	0 / 0.000	- / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.150
ICS-Labor	0 / 0.000	- / -	- / 0.982	- / 0.449	- / -	- / 0.449	- / 0.760	- / -	- / -	- / -	- / -	- / 2.191
Total Support, All Modifications	*1.194*	*4.761*	*5.658*	*2.042*	*-*	*2.042*	*1.798*	*-*	*-*	*-*	*-*	*15.453*
Total Procurement and Support	*13.563*	*33.411*	*14.955*	*2.166*	*-*	*2.166*	*1.873*	*-*	*-*	*-*	*-*	*65.968*
Inertial Navigation System (INS) Installation Cost	0 / 0.000	1 / 2.607	10 / 6.492	26 / 8.875	- / -	26 / 8.875	23 / 6.908	- / -	- / -	- / -	- / -	60 / 24.882

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 4286 - Inertial Navigation System (INS)
Models of Systems Affected: B-1B	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101126F

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*	*1 / 2.607*	*10 / 6.492*	*26 / 8.875*	*- / -*	*26 / 8.875*	*23 / 6.908*	*- / -*	*- / -*	*- / -*	*- / -*	*60 / 24.882*
Total Cost (Procurement + Support + Installation)	**13.563**	**36.018**	**21.447**	**11.041**	**-**	**11.041**	**8.781**	**-**	**-**	**-**	**-**	**90.850**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 4286 - Inertial Navigation System (INS)
Models of Systems Affected: B-1B	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101126F

Manufacturer Information: Inertial Navigation System (INS)

Manufacturer Name: Boeing	Manufacturer Location: Oklahoma City, OK
Administrative Leadtime *(in Months)*: 9	Production Leadtime *(in Months)*: 16

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

Installation: Inertial Navigation System (INS)	Method of Implementation: Contract Field Team	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 / 2.607	10 / 6.492	6 / 2.048	- / -	6 / 2.048	- / -	- / -	- / -	- / -	0 / 0.000	17 / 11.147
Secondary Distribution - Air Force Active	- / -	1 / 2.607	10 / 6.492	6 / 2.048	- / -	6 / 2.048	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	20 / 6.827	- / -	20 / 6.827	11 / 3.304	- / -	- / -	- / -	- / -	31 / 10.131
Secondary Distribution - Air Force Active	- / -	- / -	- / -	20 / 6.827	- / -	20 / 6.827	11 / 3.304	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	12 / 3.604	- / -	- / -	- / -	- / -	12 / 3.604
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	12 / 3.604	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 2.607	10 / 6.492	26 / 8.875	- / -	26 / 8.875	23 / 6.908	- / -	- / -	- / -	- / -	60 / 24.882
Secondary Distribution - Air Force Active	- / -	1 / 2.607	10 / 6.492	26 / 8.875	- / -	26 / 8.875	23 / 6.908	- / -	- / -	- / -	- / -	- / -

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	0	-	-	-	1	-	1	3	6	6	6	8	6	6	8	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	60
Out	0	-	-	-	-	-	1	3	5	6	6	8	6	6	8	5	5	1	-	-	-	-	-	-	-	-	-	-	-	-	60

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 8971 - VERTICAL SITUATION DISPLAYS
Models of Systems Affected: B-1B	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0101126F

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)*	28.723	33.872	34.429	40.903	-	40.903	44.984	47.472	39.496	30.571	61.885	362.335
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	28.723	33.872	34.429	40.903	-	40.903	44.984	47.472	39.496	30.571	61.885	362.335
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**28.723**	**33.872**	**34.429**	**40.903**	**-**	**40.903**	**44.984**	**47.472**	**39.496**	**30.571**	**61.885**	**362.335**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Vertical Situation Display Upgrade (VSDU) is a safety-critical program to replace B-1B pilot and co-pilot primary flight displays and associated flight instruments. The current VSDs are monochrome cathode ray tube displays, which along with the "steam gauge" primary flight instruments, are experiencing Diminishing Manufacturing Sources (DMS) issues with the potential to ground aircraft. Spares are no longer procurable due to obsolescence. Modification funds will procure and install Group A and Group B kits for the VSDU modernization to upgrade to the B-1B. This modification installs two 8"x6" color displays at pilot and co-pilot stations to provide Primary Flight Information (PFI) and backup PFI to meet flight safety standards. These displays also provide front crew situational awareness from the Fully Integrated Data Link (FIDL) enhancing the ability to avoid threats and strike emerging targets. VSDU installations are scheduled concurrently with Central Integrated Test System (CITS) and FIDL to reduce installation costs, aircraft downtime, and to keep fielded aircraft configurations to a minimum for aircrew training, maintenance, and operational deployment efficiencies. Modification funding will be used for DMS and Material Shortages (DMSMS). DMSMS activities can include, but are not limited to, life of type buy or minor redesign. Procurement modification funding will be used to establish depot repair capability and for Interim Contractor Support (ICS). Activities comprised in the equipment non-recurring line include, but are not limited to, DMS, production test equipment and tooling. Group B non-recurring also includes Systems Engineering Program Management (SEPM). Modification funding will be used to procure components/line replacement Units (LRUs) to upgrade test aircraft with production representative assets.

ORD: B-1B Conventional Mission Upgrade Program (26 Jan 05)
(ORD CAF-357-92 (SAC 007-92) I/II-A, Rev 2, Annex A)

Milestone/Development Status

The Engineering & Manufacturing Development phase is scheduled to close out in Apr 2013, when the second test aircraft installation and configuration audits are complete.

Two aircraft were modified as a part of the development program and funded with RDT&E funding in PE 0604226F / 0101126F.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 8971 - VERTICAL SITUATION DISPLAYS
Models of Systems Affected: B-1B	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0101126F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 8971 - VERTICAL SITUATION DISPLAYS
Models of Systems Affected: B-1B	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0101126F

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)*
RDT&E PE #												
0101126F	0 / 140.434	- / 19.947	- / 3.421	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 163.802
Procurement												
VERTICAL SITUATION DISPLAYS												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	4 / 0.659	9 / 1.378	10 / 1.529	10 / 1.556	- / -	10 / 1.556	10 / 1.603	10 / 1.651	4 / 0.839	4 / 0.920	- / -	61 / 10.135
Subtotal Recurring	*4 / 0.659*	*9 / 1.378*	*10 / 1.529*	*10 / 1.556*	*- / -*	*10 / 1.556*	*10 / 1.603*	*10 / 1.651*	*4 / 0.839*	*4 / 0.920*	*- / -*	*61 / 10.135*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	4 / 4.558	9 / 8.242	10 / 9.090	10 / 9.249	- / -	10 / 9.249	10 / 9.527	10 / 9.813	4 / 4.986	4 / 5.467	- / -	61 / 60.932
Subtotal Recurring	*4 / 4.558*	*9 / 8.242*	*10 / 9.090*	*10 / 9.249*	*- / -*	*10 / 9.249*	*10 / 9.527*	*10 / 9.813*	*4 / 4.986*	*4 / 5.467*	*- / -*	*61 / 60.932*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 19.543	- / 7.279	- / 5.101	- / 5.369	- / -	- / 5.369	- / 3.594	- / 3.475	- / 2.768	- / 2.619	- / -	- / 49.748
Subtotal Non-Recurring	*0 / 19.543*	*- / 7.279*	*- / 5.101*	*- / 5.369*	*- / -*	*- / 5.369*	*- / 3.594*	*- / 3.475*	*- / 2.768*	*- / 2.619*	*- / -*	*- / 49.748*
Secondary Distribution												
AF	4 / 28.723	9 / 31.243	10 / 27.572	10 / 24.268	- / -	10 / 24.268	10 / 24.834	10 / 24.214	4 / 17.501	4 / 16.598	- / -	- / -
Total, VERTICAL SITUATION DISPLAYS	*4 / 24.760*	*9 / 16.899*	*10 / 15.720*	*10 / 16.174*	*- / -*	*10 / 16.174*	*10 / 14.724*	*10 / 14.939*	*4 / 8.593*	*4 / 9.006*	*- / -*	*61 / 120.815*
Total Procurement, All Modifications	*4 / 24.760*	*9 / 16.899*	*10 / 15.720*	*10 / 16.174*	*- / -*	*10 / 16.174*	*10 / 14.724*	*10 / 14.939*	*4 / 8.593*	*4 / 9.006*	*- / -*	*61 / 120.815*
Support												
CHANGE ORDERS	0 / 0.000	- / 6.187	- / 3.463	- / 2.758	- / -	- / 2.758	- / 0.754	- / 0.760	- / 0.462	- / 1.478	- / 0.048	- / 15.910
DATA	0 / 1.413	- / 0.362	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.775
SIM/TRAINER	0 / 0.000	- / -	- / 3.633	- / 1.967	- / -	- / 1.967	- / 2.474	- / -	- / -	- / -	- / -	- / 8.074
SUPPORT- EQUIP	0 / 1.409	- / 5.315	- / 1.170	- / 0.353	- / -	- / 0.353	- / 0.105	- / -	- / -	- / -	- / -	- / 8.352
Depot Stand-up	0 / 0.000	- / -	- / 0.485	- / -	- / -	- / -	- / 2.843	- / 3.728	- / 3.169	- / 0.919	- / 5.950	- / 17.094
ICS-Labor	0 / 0.000	- / -	- / 0.600	- / 0.663	- / -	- / 0.663	- / 1.395	- / 2.163	- / 2.900	- / 3.308	- / 8.709	- / 19.738
OTHER GOVT	0 / 1.141	- / 1.154	- / 0.553	- / 0.253	- / -	- / 0.253	- / 0.424	- / 0.424	- / 0.377	- / 1.887	- / 3.684	- / 9.897
PMA - Contractor Services	0 / 0.000	- / 0.896	- / 1.356	- / 1.276	- / -	- / 1.276	- / 1.872	- / 1.913	- / 1.711	- / -	- / -	- / 9.024
PMA - Other Gov't Costs	0 / 0.000	- / 0.430	- / 0.592	- / 0.824	- / -	- / 0.824	- / 0.243	- / 0.287	- / 0.289	- / -	- / -	- / 2.665
Total Support, All Modifications	*3.963*	*14.344*	*11.852*	*8.094*	*-*	*8.094*	*10.110*	*9.275*	*8.908*	*7.592*	*18.391*	*92.529*

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 8971 - VERTICAL SITUATION DISPLAYS
Models of Systems Affected: B-1B	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0101126F

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 Procurement and Support	*28.723*	*31.243*	*27.572*	*24.268*	*-*	*24.268*	*24.834*	*24.214*	*17.501*	*16.598*	*18.391*	*213.344*
VERTICAL SITUATION DISPLAYS Installation Cost	0 / 0.000	1 / 2.629	3 / 6.857	7 / 16.635	- / -	7 / 16.635	10 / 20.150	10 / 23.258	9 / 21.995	5 / 13.973	16 / 43.494	61 / 148.991
Total Installation Cost	*0 / 0.000*	*1 / 2.629*	*3 / 6.857*	*7 / 16.635*	*- / -*	*7 / 16.635*	*10 / 20.150*	*10 / 23.258*	*9 / 21.995*	*5 / 13.973*	*16 / 43.494*	*61 / 148.991*
Total Cost (Procurement + Support + Installation)	**28.723**	**33.872**	**34.429**	**40.903**	**-**	**40.903**	**44.984**	**47.472**	**39.496**	**30.571**	**61.885**	**362.335**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 8971 - VERTICAL SITUATION DISPLAYS
Models of Systems Affected: B-1B	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0101126F

Manufacturer Information: VERTICAL SITUATION DISPLAYS

Manufacturer Name: Boeing	Manufacturer Location: Oklahoma City, OK
Administrative Leadtime *(in Months)*: 5	Production Leadtime *(in Months)*: 18

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Jun 2012	Apr 2013	Feb 2014	Feb 2015	Feb 2016	Feb 2017	Feb 2018
Delivery Dates	Dec 2013	Oct 2014	Aug 2015	Aug 2016	Aug 2017	Aug 2018	Aug 2019

Installation: VERTICAL SITUATION DISPLAYS	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	- / -	1 / 2.629	3 / 6.857	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	4 / 9.486
Secondary Distribution - Air Force Active	- / -	1 / 2.629	3 / 6.857	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	7 / 16.635	- / -	7 / 16.635	2 / 4.030	- / -	- / -	- / -	- / -	9 / 20.665
Secondary Distribution - Air Force Active	- / -	- / -	- / -	7 / 16.635	- / -	7 / 16.635	2 / 4.030	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	8 / 16.120	2 / 4.652	- / -	- / -	- / -	10 / 20.772
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	8 / 16.120	2 / 4.652	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 18.606	2 / 4.888	- / -	- / -	10 / 23.494
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 18.606	2 / 4.888	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 17.107	3 / 8.384	- / -	10 / 25.491
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 17.107	3 / 8.384	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.589	8 / 21.293	10 / 26.882
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.589	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 10.949	4 / 10.949
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 11.252	4 / 11.252
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 2.629	3 / 6.857	7 / 16.635	- / -	7 / 16.635	10 / 20.150	10 / 23.258	9 / 21.995	5 / 13.973	16 / 43.494	61 / 148.991
Secondary Distribution - Air Force Active	- / -	1 / 2.629	3 / 6.857	7 / 16.635	- / -	7 / 16.635	10 / 20.150	10 / 23.258	9 / 21.995	5 / 13.973	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B01B00 - B-1B	**Modification Nomenclature (*Modification Number - Modification Title*):** 8971 - VERTICAL SITUATION DISPLAYS
Models of Systems Affected: B-1B	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0101126F

Installation: VERTICAL SITUATION DISPLAYS	**Method of Implementation:** Depot	**Installation Name:**

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	0	-	-	-	1	-	-	1	2	-	2	3	2	3	2	3	2	3	2	3	2	2	2	3	2	1	1	1	2	16	61
Out	0	-	-	-	-	-	-	-	1	-	2	1	1	2	3	3	2	2	3	3	2	3	3	2	2	3	2	1	2	18	61

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0101113F, 0101128F

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)*	17.510	93.415	9.781	111.002	-	111.002	105.290	33.682	10.938	6.407	1.000	389.025
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	17.510	93.415	9.781	111.002	-	111.002	105.290	33.682	10.938	6.407	1.000	389.025
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**17.510**	**93.415**	**9.781**	**111.002**	**-**	**111.002**	**105.290**	**33.682**	**10.938**	**6.407**	**1.000**	**389.025**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	2.400	-	4.076	-	4.076	4.594	0.123	-	-	-	11.193
Flyaway Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 line item funds modifications to the B-52H aircraft. The B-52H strategic bomber maintains nuclear and conventional taskings. The specific modifications budgeted and programmed are below.

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.

B-52 Advanced Weapons Integration (AWI) initiatives previously managed under MN-4260 are now managed under two separate modifications for clarity in effort, funding and schedule. The initiatives are now described in MN-4260 Advanced Weapons Integration (AWI) and MN-6884 MIL-STD 1760.

Funding for the exhibit contained in PE 0101113F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	88.762	9.781	109.609	-	109.609	100.001	32.751	10.739	6.407
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	4.653	-	1.393	-	1.393	5.289	0.931	0.199	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft

P-1 Line Item Nomenclature:
B05200 - B-52

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0101113F, 0101128F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
ADVANCED WEAPON INTEGRATION	P40A		-	-	10.294	-	-	0.060	-	-	-	-	-	-	-	-	-	-	-	-
B- 52 TRAINERS	P40A		-	-	2.180	-	-	7.574	-	-	1.482	-	-	1.836	-	-	-	-	-	1.836
B-52 Structures	P40A		-	-	0.000	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-
System Effectiveness and Evolutionary Requirements	P40A		-	-	0.000	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-
Arms Control Activities	P40A		-	-	0.000	-	-	-	-	-	-	-	-	0.500	-	-	-	-	-	0.500
LOW COST MODIFICATIONS	P40A		-	-	2.000	-	-	1.175	-	-	0.435	-	-	0.019	-	-	-	-	-	0.019
3265 - B-52 Anti-Skid Replacement	P3A		-	-	-	-	-	-	-	-	4.626	-	-	6.737	-	-	-	-	-	6.737
3310 - B-52 CONECT	P3A		-	-	3.036	-	-	84.406	-	-	-	-	-	87.200	-	-	-	-	-	87.200
6884 - MIL-STD-1760	P3A		-	-	-	-	-	-	-	-	3.238	-	-	5.120	-	-	-	-	-	5.120
9709 - Mode S/5 IFF	P3A		-	-	-	-	-	-	-	-	-	-	-	9.590	-	-	-	-	-	9.590
Total Gross/Weapon System Cost					**17.510**			**93.415**			**9.781**			**111.002**			**-**			**111.002**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
ADVANCED WEAPON INTEGRATION	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.354
B- 52 TRAINERS	P40A		-	-	2.375	-	-	2.431	-	-	2.472	-	-	2.517	-	-	-	-	-	22.867
B-52 Structures	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.100
System Effectiveness and Evolutionary Requirements	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.100
Arms Control Activities	P40A		-	-	0.200	-	-	0.100	-	-	0.200	-	-	-	-	-	-	-	-	1.000
LOW COST MODIFICATIONS	P40A		-	-	0.596	-	-	0.444	-	-	0.452	-	-	0.460	-	-	-	-	-	5.581
3265 - B-52 Anti-Skid Replacement	P3A		-	-	5.936	-	-	0.898	-	-	0.914	-	-	0.930	-	-	-	-	-	20.041
3310 - B-52 CONECT	P3A		-	-	83.600	-	-	27.300	-	-	6.900	-	-	2.500	-	-	1.000	-	-	295.942
6884 - MIL-STD-1760	P3A		-	-	0.380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.738
9709 - Mode S/5 IFF	P3A		-	-	12.203	-	-	2.509	-	-	-	-	-	-	-	-	-	-	-	24.302
Total Gross/Weapon System Cost					**105.290**			**33.682**			**10.938**			**6.407**			**1.000**			**389.025**

*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.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0101113F, 0101128F
MDAP/MAIS Code(s):		

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 3265 - B-52 Anti-Skid Replacement
Models of Systems Affected: B-52H	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0101113F

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)*	-	-	4.626	6.737	-	6.737	5.936	0.898	0.914	0.930	-	20.041
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	4.626	6.737	-	6.737	5.936	0.898	0.914	0.930	-	20.041
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**4.626**	**6.737**	**-**	**6.737**	**5.936**	**0.898**	**0.914**	**0.930**	**-**	**20.041**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	0.384	-	0.384	0.589	0.048	-	-	-	1.021
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 B-52 Anti-Skid system is used to maintain control of aircraft during landings and taxi operations. The B-52 Anti-Skid system prevents aircraft skidding by sensing the exact amount of brake pressure needed for safe braking under all runway conditions without tire damage.

Previous B-52 Anti-Skid supportability analysis, completed in Oct 2006 by General Atomics, indicated a supportability end date of 2011, based on parts obsolescence, a lack of test equipment and a lack of repair personnel. Parts obsolescence continues to be a major supportability factor. However, since the previous analysis, test equipment and new depot maintenance procedures to refurbish previously failed Anti-Skid Detectors have been put in place in order to provide spares until 2015 when the replacement will be available.

The Anti-Skid replacement program is a joint effort between Ogden Air Logistics Center (OO-ALC) and Oklahoma City Air Logistics Center (OC-ALC) (both organizations now combined under the AF Life-Cycle Management Center) to develop and install a new system. This effort includes an upgrade of the maintenance trainers.

Milestone/Development Status

Development began in FY10. Current efforts include completion of qualification testing and preparation for flight test activities.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 3265 - B-52 Anti-Skid Replacement
Models of Systems Affected: B-52H	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0101113F

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)*
RDT&E PE #												
0101113F	0 / 0.000	- / -	- / 0.751	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.751
Procurement												
B-52 Anti-Skid Replacement												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	- / -	21 / 1.280	- / -	21 / 1.280	17 / 1.055	- / -	- / -	- / -	- / -	38 / 2.335
INSTALL KITS Group A (Reserve)	0 / 0.000	- / -	- / -	6 / 0.366	- / -	6 / 0.366	6 / 0.372	- / -	- / -	- / -	- / -	12 / 0.738
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*27 / 1.646*	*- / -*	*27 / 1.646*	*23 / 1.427*	*- / -*	*- / -*	*- / -*	*- / -*	*50 / 3.073*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / -	- / 0.285	- / -	- / 0.285	- / 0.198	- / 0.187	- / 0.269	- / -	- / -	- / 0.939
KITS NONRECUR Group A (Reserve)	0 / 0.000	- / -	- / -	- / 0.082	- / -	- / 0.082	- / 0.070	- / 0.062	- / 0.090	- / -	- / -	- / 0.304
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / 0.367*	*- / -*	*- / 0.367*	*- / 0.268*	*- / 0.249*	*- / 0.359*	*- / -*	*- / -*	*- / 1.243*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	- / -	21 / 3.126	- / -	21 / 3.126	17 / 2.576	- / -	- / -	- / -	- / -	38 / 5.702
EQUIPMENT Group B (Reserve)	0 / 0.000	- / -	- / -	6 / 0.893	- / -	6 / 0.893	6 / 0.909	- / -	- / -	- / -	- / -	12 / 1.802
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*27 / 4.019*	*- / -*	*27 / 4.019*	*23 / 3.485*	*- / -*	*- / -*	*- / -*	*- / -*	*50 / 7.504*
Secondary Distribution												
AF	0 / 0.000	- / -	- / 4.626	21 / 5.189	- / -	21 / 5.189	17 / 3.989	- / 0.237	- / 0.316	- / 0.930	- / -	- / -
AFR	0 / 0.000	- / -	- / -	6 / 1.341	- / -	6 / 1.341	6 / 1.351	- / 0.062	- / 0.090	- / -	- / -	- / -
Total, B-52 Anti-Skid Replacement	*0 / 0.000*	*- / -*	*- / -*	*27 / 6.032*	*- / -*	*27 / 6.032*	*23 / 5.180*	*- / 0.249*	*- / 0.359*	*- / -*	*- / -*	*50 / 11.820*
Total Procurement, All Modifications	*0 / 0.000*	*- / -*	*- / -*	*27 / 6.032*	*- / -*	*27 / 6.032*	*23 / 5.180*	*- / 0.249*	*- / 0.359*	*- / -*	*- / -*	*50 / 11.820*
Support												
CHANGE ORDERS	0 / 0.000	- / -	- / -	- / 0.274	- / -	- / 0.274	- / 0.077	- / 0.027	- / 0.023	- / -	- / -	- / 0.401
DATA	0 / 0.000	- / -	- / -	- / 0.088	- / -	- / 0.088	- / 0.060	- / -	- / -	- / 0.930	- / -	- / 1.078
SIM/TRAINER	0 / 0.000	- / -	- / -	- / 0.108	- / -	- / 0.108	- / -	- / -	- / -	- / -	- / -	- / 0.108
PMA - Other Gov't Costs	0 / 0.000	- / -	- / 4.626	- / 0.028	- / -	- / 0.028	- / 0.023	- / 0.023	- / 0.024	- / -	- / -	- / 4.724
Total Support, All Modifications	*0.000*	*-*	*4.626*	*0.498*	*-*	*0.498*	*0.160*	*0.050*	*0.047*	*0.930*	*-*	*6.311*
Total Procurement and Support	*0.000*	*-*	*4.626*	*6.530*	*-*	*6.530*	*5.340*	*0.299*	*0.406*	*0.930*	*-*	*18.131*
B-52 Anti-Skid Replacement Installation Cost	0 / 0.000	- / -	- / -	4 / 0.207	- / -	4 / 0.207	16 / 0.596	16 / 0.599	14 / 0.508	- / -	- / -	50 / 1.910

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 3265 - B-52 Anti-Skid Replacement
Models of Systems Affected: B-52H	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0101113F

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*	*- / -*	*- / -*	*4 / 0.207*	*- / -*	*4 / 0.207*	*16 / 0.596*	*16 / 0.599*	*14 / 0.508*	*- / -*	*- / -*	*50 / 1.910*
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**4.626**	**6.737**	**-**	**6.737**	**5.936**	**0.898**	**0.914**	**0.930**	**-**	**20.041**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 3265 - B-52 Anti-Skid Replacement
Models of Systems Affected: B-52H	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0101113F

Manufacturer Information: B-52 Anti-Skid Replacement

Manufacturer Name: Boeing	Manufacturer Location: Wichita, KS
Administrative Leadtime *(in Months)*: 9	Production Leadtime *(in Months)*: 6

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

Installation: B-52 Anti-Skid Replacement	**Method of Implementation:** Contract Field Team	**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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	4 / 0.207	- / -	4 / 0.207	16 / 0.596	7 / 0.262	- / -	- / -	- / -	27 / 1.065
Secondary Distribution - Air Force Active	- / -	- / -	- / -	3 / 0.155	- / -	3 / 0.155	12 / 0.447	6 / 0.225	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	1 / 0.052	- / -	1 / 0.052	4 / 0.149	1 / 0.037	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.337	14 / 0.508	- / -	- / -	23 / 0.845
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.225	11 / 0.399	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.112	3 / 0.109	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	4 / 0.207	- / -	4 / 0.207	16 / 0.596	16 / 0.599	14 / 0.508	- / -	- / -	50 / 1.910
Secondary Distribution - Air Force Active	- / -	- / -	- / -	3 / 0.155	- / -	3 / 0.155	12 / 0.447	12 / 0.450	11 / 0.399	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	1 / 0.052	- / -	1 / 0.052	4 / 0.149	4 / 0.149	3 / 0.109	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 3265 - B-52 Anti-Skid Replacement
Models of Systems Affected: B-52H	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0101113F

Installation: B-52 Anti-Skid Replacement	Method of Implementation: Contract Field Team	Installation Name:

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	0	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	4	4	4	4	4	2	-	-	-	-	-	50
Out	0	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	4	4	4	4	4	2	-	-	-	-	-	50

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 3310 - B-52 CONECT
Models of Systems Affected: B-52H	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0101113F

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)*	3.036	84.406	-	87.200	-	87.200	83.600	27.300	6.900	2.500	1.000	295.942
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	3.036	84.406	-	87.200	-	87.200	83.600	27.300	6.900	2.500	1.000	295.942
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**3.036**	**84.406**	**-**	**87.200**	**-**	**87.200**	**83.600**	**27.300**	**6.900**	**2.500**	**1.000**	**295.942**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	2.400	-	3.100	-	3.100	3.100	-	-	-	-	8.600
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 B-52 Combat Network Communication Technology (CONECT) acquisition program will support nuclear and conventional operations by upgrading the B-52 fleet with data link and voice communications capabilities along with improved threat and situational awareness to support participation in network centric operations. The CONECT upgrade installs new multi-functional color displays (MFCDs) and a digital interphone system, which will survive and function through the nuclear environment to enhance crew interaction and situational awareness. To enable net centric operations, the CONECT upgrade installs on-board client/server architecture supporting distributed processing with independent control functions; UHF Beyond Line-Of-Sight (BLOS) Joint Range Extension (JRE) capability via ARC-210 Warrior radio to exchange J-Series messaging within theater; Intelligence Broadcast Receiver; limited Internet Protocol (IP)-based UHF BLOS link supporting email and file transfers; and Improved Data Modem (IDM)-based digital Variable Message Format (VMF) datalink to significantly enhance close air support (CAS) missions. This integrated suite, when produced and installed, will provide the B-52 fleet with a machine-to-machine capability supporting aircraft re-tasking and re-targeting of Conventional Air Launched Cruise Missle (CALCM) and J-series weapons across the range of military operations the B-52 is assigned.

The change order line includes, but not limited to, production engineering to update the CONECT system to maintain concurrency with changes to GFE provided to CONECT. ECO also includes costs for the identification, review and monitoring of items with high Diminishing Manufacturing Sources (DMS) risk potential, classification of identified items according to criticality, identification of alternatives for items having high DMS risks and solutions to DMS issues. Solution options may include production engineering (NRE)/replacement costs for DMS components, bridge buys of DMS components until NRE can be completed or Life of Type buys, whichever is most appropriate.

This modification is planned to be done in conjunction with Programmed Depot Maintenance (PDM). In addition, training devices will be upgraded to include CONECT functionality to meet user training requirements, as well as establishment of a Contractor led Inventory Control Point to support installation during PDM and eventually support fielded aircraft once delivered.

This program will have associated Research Development Test and Evaluation (RDT&E) funding in PE 0101113F. In FY12 and prior, CONECT was included in BPAC 675039. A separate BPAC (675050) was established with the FY13 President's Budget, and remains in FY14.

NOTE: The Installation Schedule reflects a reinstated CONECT program for 30 (total) aircraft modifications.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature** **(***Modification Number - Modification Title***):** 3310 - B-52 CONECT
Models of Systems Affected: B-52H	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0101113F

NOTE: The FY14 PB supports procurement of 28 new kits and installation of 29 kits. Two (2) kits were procured previously in 2007 under the EMD contract. One of which was installed on the test aircraft in 2007 and one designated as a kitproof kit to be installed during PDM in FY13.

Milestone/Development Status

Development began in FY05. Two modification kits were procured during RDT&E. One kit was installed on the flight test aircraft. The second kit will be used as the kitproof kit and installed in FY13 with FY12 procurement funding.

CONECT Milestone C flight test completed November 2011. CONECT Milestone C was approved May 2012. LRIP award is planned for 2QFY13.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 3310 - B-52 CONECT
Models of Systems Affected: B-52H	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0101113F

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)*
RDT&E PE #												
0101113F	2 / 236.669	- / 74.056	- / 34.700	- / 12.634	- / -	- / 12.634	- / 11.923	- / -	- / 7.251	- / 4.025	- / -	2 / 381.258
Procurement												
B-52 CONECT												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	8 / 6.940	- / -	10 / 6.740	- / -	10 / 6.740	10 / 6.870	- / -	- / -	- / -	- / -	28 / 20.550
INSTALL KITS Group A (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*0 / 0.000*	*8 / 6.940*	*- / -*	*10 / 6.740*	*- / -*	*10 / 6.740*	*10 / 6.870*	*- / -*	*- / -*	*- / -*	*- / -*	*28 / 20.550*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / 4.299	- / -	- / 2.362	- / -	- / 2.362	- / 1.377	- / -	- / -	- / -	- / -	- / 8.038
Subtotal Non-Recurring	*0 / 0.000*	*- / 4.299*	*- / -*	*- / 2.362*	*- / -*	*- / 2.362*	*- / 1.377*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 8.038*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	8 / 21.279	- / -	10 / 24.556	- / -	10 / 24.556	10 / 25.276	- / -	- / -	- / -	- / -	28 / 71.111
EQUIPMENT Group B (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*0 / 0.000*	*8 / 21.279*	*- / -*	*10 / 24.556*	*- / -*	*10 / 24.556*	*10 / 25.276*	*- / -*	*- / -*	*- / -*	*- / -*	*28 / 71.111*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	- / 13.182	- / -	- / 7.242	- / -	- / 7.242	- / 4.224	- / -	- / -	- / -	- / -	- / 24.648
EQUIP NONREC Group B (Reserve)	0 / 0.000	- / 4.653	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.653
Subtotal Non-Recurring	*0 / 0.000*	*- / 17.835*	*- / -*	*- / 7.242*	*- / -*	*- / 7.242*	*- / 4.224*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 29.301*
Secondary Distribution												
AF	0 / 3.036	8 / 71.453	- / -	10 / 78.400	- / -	10 / 78.400	10 / 71.100	- / 9.800	- / 6.900	- / 2.500	- / -	- / -
AFR	0 / 0.000	- / 4.653	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total, B-52 CONECT	*0 / 0.000*	*8 / 50.353*	*- / -*	*10 / 40.900*	*- / -*	*10 / 40.900*	*10 / 37.747*	*- / -*	*- / -*	*- / -*	*- / -*	*28 / 129.000*
Total Procurement, All Modifications	*0 / 0.000*	*8 / 50.353*	*- / -*	*10 / 40.900*	*- / -*	*10 / 40.900*	*10 / 37.747*	*- / -*	*- / -*	*- / -*	*- / -*	*28 / 129.000*
Support												
CHANGE ORDERS	0 / 0.000	- / 4.353	- / -	- / 8.800	- / -	- / 8.800	- / 4.000	- / 1.400	- / 0.600	- / 0.100	- / -	- / 19.253
SIM/TRAINER	0 / 0.000	- / -	- / -	- / 4.200	- / -	- / 4.200	- / 1.700	- / 3.300	- / 3.300	- / 2.200	- / 0.900	- / 15.600
SUPPORT- EQUIP	0 / 0.000	- / 1.600	- / -	- / 1.000	- / -	- / 1.000	- / -	- / -	- / 1.000	- / -	- / -	- / 3.600
PROGRAM MANAGEMENT	0 / 0.000	- / 9.600	- / -	- / 5.900	- / -	- / 5.900	- / 5.000	- / -	- / -	- / -	- / -	- / 20.500

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 3310 - B-52 CONECT
Models of Systems Affected: B-52H	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0101113F

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 GOVT	0 / 0.000	- / 5.200	- / -	- / 3.400	- / -	- / 3.400	- / 12.853	- / -	- / -	- / -	- / -	- / 21.453
GFP	0 / 0.000	- / 1.100	- / -	- / 4.500	- / -	- / 4.500	- / 2.500	- / 1.500	- / -	- / -	- / -	- / 9.600
Depot Stand-up	0 / 0.000	- / -	- / -	- / 3.100	- / -	- / 3.100	- / 1.000	- / 1.000	- / 1.000	- / -	- / -	- / 6.100
PMA - Contractor Services	0 / 3.036	- / 2.700	- / -	- / 2.000	- / -	- / 2.000	- / 1.500	- / 1.000	- / 0.500	- / 0.100	- / 0.100	- / 10.936
PMA - Other Gov't Costs	0 / 0.000	- / 1.200	- / -	- / 4.600	- / -	- / 4.600	- / 4.800	- / 1.600	- / 0.500	- / 0.100	- / -	- / 12.800
Total Support, All Modifications	*3.036*	*25.753*	*-*	*37.500*	*-*	*37.500*	*33.353*	*9.800*	*6.900*	*2.500*	*1.000*	*119.842*
Total Procurement and Support	*3.036*	*76.106*	*-*	*78.400*	*-*	*78.400*	*71.100*	*9.800*	*6.900*	*2.500*	*1.000*	*248.842*
B-52 CONECT Installation Cost	0 / 0.000	1 / 8.300	- / -	2 / 8.800	- / -	2 / 8.800	9 / 12.500	17 / 17.500	- / -	- / -	- / -	29 / 47.100
Total Installation Cost	*0 / 0.000*	*1 / 8.300*	*- / -*	*2 / 8.800*	*- / -*	*2 / 8.800*	*9 / 12.500*	*17 / 17.500*	*- / -*	*- / -*	*- / -*	*29 / 47.100*
Total Cost (Procurement + Support + Installation)	**3.036**	**84.406**	**-**	**87.200**	**-**	**87.200**	**83.600**	**27.300**	**6.900**	**2.500**	**1.000**	**295.942**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 3310 - B-52 CONECT
Models of Systems Affected: B-52H	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0101113F

Manufacturer Information: B-52 CONECT

Manufacturer Name: Boeing	Manufacturer Location: Wichita, KS
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 16

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

Installation: B-52 CONECT	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	- / -	1 / 8.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	1 / 8.300
Secondary Distribution - Air Force Active	- / -	1 / 8.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	2 / 8.800	- / -	2 / 8.800	6 / 8.333	- / -	- / -	- / -	- / -	8 / 17.133
Secondary Distribution - Air Force Active	- / -	- / -	- / -	2 / 8.800	- / -	2 / 8.800	6 / 8.333	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.167	7 / 7.205	- / -	- / -	- / -	10 / 11.372
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.167	7 / 7.205	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 10.295	- / -	- / -	- / -	10 / 10.295
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 10.295	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 8.300	- / -	2 / 8.800	- / -	2 / 8.800	9 / 12.500	17 / 17.500	- / -	- / -	- / -	29 / 47.100
Secondary Distribution - Air Force Active	- / -	1 / 8.300	- / -	2 / 8.800	- / -	2 / 8.800	9 / 12.500	17 / 17.500	- / -	- / -	- / -	- / -

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	0	-	-	-	-	-	-	-	1	-	-	-	2	2	2	2	3	4	4	4	5	-	-	-	-	-	-	-	-	-	29
Out	0	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	2	2	2	3	4	4	4	5	-	-	-	-	-	-	29

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 6884 - MIL-STD-1760
Models of Systems Affected: B-52H	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101113F

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)*	-	-	3.238	5.120	-	5.120	0.380	-	-	-	-	8.738
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	3.238	5.120	-	5.120	0.380	-	-	-	-	8.738
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**3.238**	**5.120**	**-**	**5.120**	**0.380**	**-**	**-**	**-**	**-**	**8.738**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Mission Description: MIL-STD 1760 Internal Weapons Bay Upgrade (IWBU) requires the integration of the 1760 weapons capability into the bomb bay on seventy-six (76) B-52H aircraft utilizing Common Strategic Rotary Launcher (CSRLs) converted into Conventional Rotary Launchers (CRLs). The 1760 IWBU program is segmented into two Increments; Increment 1 consists of two sub-increments 1.1 and 1.2.

Increment 1.1 consists of internal carriage of eight Joint Direct Attack Munitions (JDAM) and variants, to include Laser JDAM (L-JDAM), on a rotary launcher. Additionally, L-JDAM will be integrated on external hard points during this effort. The CRL Hardware modification consists of Group A equipment racks and electrical wiring and Group B consists of one Integrated Weapons Interface Unit (IWIU) per CRL. This Line Replaceable Unit (LRU) was previously developed under the Advanced Weapons Integration (AWI) program and work was previously accomplished for a 2005 demonstration or developed using 2006 and 2007 Congressional Add funding. CSRLs will lose their nuclear capability when modified into a CRL. No new Nuclear CSRLs will be required. The aircraft software modification consists of modifying existing aircraft, JDAM Stores Management Overlays (SMO), and ground based Joint Mission Planning System (JMPS).

CRL Hardware modification: Consists of Group A equipment racks and electrical wiring, Group B consists of one Integrated Weapons Interface Unit (IWIU) per CRL, this Line Replaceable Unit (LRU) was previously developed under the Advanced Weapons Integration (AWI) program and work previous accomplished for a 2005 demonstration or developed using 2006 and 2007 Congressional Add funding. CRLs will lose their nuclear capability until integration of the MIL-STD 1760 System II nuclear munitions and development and integration of a nuclear hardened IWIU. No new Nuclear CSRLs will be required.

Aircraft Software modification: Consists of modifying existing aircraft, JDAM Software and ground based Joint Mission Planning System (JMPS).

Increment 1.2 provides capability for internal carriage of eight Joint Air to Surface Standoff Missiles-Extended Range (JASSM-ER) or eight Miniature Air Launched Decoys (MALD). Internal capabilities include authorized munition variants, for example, JDAM, GBU-31 (v)1, (v)3, GBU-38, JASSM, and MALD-Jammer (MALD-J).

CRL Hardware modification: Consists of modifying the Increment 1.1 configuration by adding four Group B LRUs, (up to three power supplies and one junction box) and Group A associated interface wiring.

Aircraft Hardware modification: Consists of Group A wiring and circuit breakers to supply additional power to the CRL. Aircraft Software modification: Includes modifying existing JASSM-ER, MALD software.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 6884 - MIL-STD-1760
Models of Systems Affected: B-52H	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101113F

Support Equipment: Thirty-eight (38) Multi-Use System Tester Armament Next Generation (MUSTANG) testers will be modified to support both increments.

A future Increment (Increment 2) will provide carriage expansion of the CRL through a software and hardware modification and will increase the number of weapon stations from 8 to 16 and provide mixed load capability. This will occur after Increment 1 completes.

B-52 Advanced Weapons Integration (AWI) initiatives previously managed under MN-4260 are now managed under two separate modifications for clarity in effort, funding and schedule. The initiatives are now described in MN-4260 Advanced Weapons Integration (AWI) and MN-6884 MIL-STD-1760

Budget Item Justification: FY14 procures 6 CRL kits, tooling and assembly for kit production, kits to modify Multi-Use System Tester Armament Next Generation (MUSTANG) testers, PMA and TDY.

Milestone/Development Status

Weapons integration software development for weapons was funded through the Advanced Weapons Integration program MN#4260, whereby the B-52 is the objective platform. MIL-STD 1760 IWBU Increment 1.1 hardware and software development will modify CSRLs for carriage release of the MIL-STD 1760 J-series weapons currently carried on the B-52H from the weapons bay.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 6884 - MIL-STD-1760
Models of Systems Affected: B-52H	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101113F

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)*
RDT&E PE #												
0101113F	0 / 34.869	- / 12.800	3 / 16.490	- / 11.373	- / -	- / 11.373	- / 8.264	- / 3.901	- / -	- / -	- / -	3 / 87.697
Procurement												
MIL-STD-1760												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	- / -	6 / 1.430	- / -	6 / 1.430	- / -	- / -	- / -	- / -	- / -	6 / 1.430
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*6 / 1.430*	*- / -*	*6 / 1.430*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*6 / 1.430*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / -	- / 0.261	- / -	- / 0.261	- / -	- / -	- / -	- / -	- / -	- / 0.261
KITS NONRECUR Group A (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / 0.261*	*- / -*	*- / 0.261*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 0.261*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	- / -	6 / 1.336	- / -	6 / 1.336	- / -	- / -	- / -	- / -	- / -	6 / 1.336
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*6 / 1.336*	*- / -*	*6 / 1.336*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*6 / 1.336*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	- / -	- / -	- / 0.261	- / -	- / 0.261	- / -	- / -	- / -	- / -	- / -	- / 0.261
EQUIP NONREC Group B (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / 0.261*	*- / -*	*- / 0.261*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 0.261*
Secondary Distribution												
AF	0 / 0.000	- / -	- / 3.238	6 / 5.120	- / -	6 / 5.120	- / -	- / -	- / -	- / -	- / -	- / -
AFNG	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
AFR	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total, MIL-STD-1760	*0 / 0.000*	*- / -*	*- / -*	*6 / 3.288*	*- / -*	*6 / 3.288*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*6 / 3.288*
Total Procurement, All Modifications	*0 / 0.000*	*- / -*	*- / -*	*6 / 3.288*	*- / -*	*6 / 3.288*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*6 / 3.288*
Support												
CHANGE ORDERS	0 / 0.000	- / -	- / 0.134	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.134
DATA	0 / 0.000	- / -	- / 0.200	- / 0.024	- / -	- / 0.024	- / -	- / -	- / -	- / -	- / -	- / 0.224
SIM/TRAINER	0 / 0.000	- / -	- / 0.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.900

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 6884 - MIL-STD-1760
Models of Systems Affected: B-52H	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101113F

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)*
SUPPORT- EQUIP	0 / 0.000	- / -	- / -	- / 0.090	- / -	- / 0.090	- / -	- / -	- / -	- / -	- / -	- / 0.090
OTHER GOVT	0 / 0.000	- / -	- / 1.516	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.516
PMA	0 / 0.000	- / -	- / 0.488	- / 1.718	- / -	- / 1.718	- / -	- / -	- / -	- / -	- / -	- / 2.206
Total Support, All Modifications	*0.000*	-	*3.238*	*1.832*	-	*1.832*	-	-	-	-	-	*5.070*
Total Procurement and Support	*0.000*	-	*3.238*	*5.120*	-	*5.120*	-	-	-	-	-	*8.358*
MIL-STD-1760 Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	6 / 0.380	- / -	- / -	- / -	- / -	6 / 0.380
Total Installation Cost	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	*6 / 0.380*	- / -	- / -	- / -	- / -	*6 / 0.380*
Total Cost (Procurement + Support + Installation)	**0.000**	-	**3.238**	**5.120**	-	**5.120**	**0.380**	-	-	-	-	**8.738**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 6884 - MIL-STD-1760
Models of Systems Affected: B-52H	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101113F

Manufacturer Information: MIL-STD-1760

Manufacturer Name: Boeing	Manufacturer Location: Wichita, KS
Administrative Leadtime *(in Months)*: 12	Production Leadtime *(in Months)*: 6

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

Installation: MIL-STD-1760	Method of Implementation: Contract Field Team	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.380	- / -	- / -	- / -	- / -	6 / 0.380
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.380	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.380	- / -	- / -	- / -	- / -	6 / 0.380
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.380	- / -	- / -	- / -	- / -	- / -

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	0	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 9709 - Mode S/5 IFF
Models of Systems Affected: B-52H	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101113F

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)*	-	-	-	9.590	-	9.590	12.203	2.509	-	-	-	24.302
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	-	9.590	-	9.590	12.203	2.509	-	-	-	24.302
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**-**	**9.590**	**-**	**9.590**	**12.203**	**2.509**	**-**	**-**	**-**	**24.302**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	0.592	-	0.592	0.905	0.075	-	-	-	1.572
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 B-52's overarching Communication Navigation & Surveillance/Air Traffic Management (CNS/ATM) effort will develop and integrate modern technologies to enable the aircraft to operate in the evolving air traffic environment. The requirement for these updated technologies is driven by the International Civil Aviation Organization (ICAO) and Federal Aviation Administration (FAA) mandates. Aircraft not equipped with appropriate capabilities will not be able to operate in airspace where new separation standards and air traffic management procedures are implemented. An additional benefit is the significant fuel savings that will result in being able to fly at optimum and more efficient routes and altitudes. DoD mandates dictate replacement of the B-52's APX-64 IFF (Identification Friend or Foe) with a modern Mode S/5 transponder. This effort will integrate modern IFF technology into the B-52 by replacing the current system with the APX-119.

The integration of the APX-119 could leverage capabilities to include future integration of the Automatic Dependent Surveillance - Broadcast (ADS-B) capability required for operations in European airspace by 2015 and CONUS by 2020.

This program has associated Research, Development, Test & Evaluation (RDT&E) funding in PE 0101113F.

Three (3)aircraft installation kits and one Systems Integration Lab (SIL) kit will be procured and installed on developmental and operational test aircraft at Edwards AFB CA and Barksdale AFB LA, respectively, using RDT&E funds; 76 B-52 aircraft total. The SIL will be utilized at Boeing Defense, Space and Security (DSS).

The Air Force budget is based on a Total Aircraft Inventory (TAI) of 76.

Installations on this P3A extend into FY17 and 3010 funding for Mode S/5 IFF concludes in FY16. The original program plan was for installations to conclude by FY16, but as the Mode S/5 IFF design has matured and estimated installation hours have increased, the installation schedule had to be balanced with Air Force Global Strike Command's Aircraft Availability Plan. As a result, installs are reflected in FY15- FY17. The APX-119 transponder (Group B equipment) is a long lead transponder that has a one year production lead time. Thus, long lead lot 1 APX-119 permission will be requested to AFMC AFLCMC/WW approximately Nov 13 prior to Milestone C to meet projected milestone dates.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature** **(***Modification Number - Modification Title***):** 9709 - Mode S/5 IFF
Models of Systems Affected: B-52H	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101113F

Milestone/Development Status

Developmental activities began in FY11, Engineering Manufacturing and Development (EMD) contract awarded 22 Dec 11 to Boeing Defense, Space and Security (DSS), Wichita, KS.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 9709 - Mode S/5 IFF
Models of Systems Affected: B-52H	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101113F

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)*
RDT&E PE #												
0101113F	4 / 12.968	- / 1.166	- / 1.202	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 15.336
Procurement												
Mode S/5 IFF												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	- / -	35 / 2.896	- / -	35 / 2.896	21 / 1.719	- / -	- / -	- / -	- / -	56 / 4.615
INSTALL KITS Group A (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	18 / 1.474	- / -	- / -	- / -	- / -	18 / 1.474
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*35 / 2.896*	*- / -*	*35 / 2.896*	*39 / 3.193*	*- / -*	*- / -*	*- / -*	*- / -*	*74 / 6.089*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / -	- / 0.954	- / -	- / 0.954	- / 0.413	- / -	- / -	- / -	- / -	- / 1.367
KITS NONRECUR Group A (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.354	- / -	- / -	- / -	- / -	- / 0.354
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / 0.954*	*- / -*	*- / 0.954*	*- / 0.767*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.721*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	- / -	35 / 3.641	- / -	35 / 3.641	21 / 2.287	- / -	- / -	- / -	- / -	56 / 5.928
EQUIPMENT Group B (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	18 / 1.961	- / -	- / -	- / -	- / -	18 / 1.961
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*35 / 3.641*	*- / -*	*35 / 3.641*	*39 / 4.248*	*- / -*	*- / -*	*- / -*	*- / -*	*74 / 7.889*
Secondary Distribution												
AF	0 / 0.000	- / -	- / -	35 / 9.590	- / -	35 / 9.590	21 / 6.063	- / 0.030	- / -	- / -	- / -	- / -
AFR	0 / 0.000	- / -	- / -	- / -	- / -	- / -	18 / 3.789	- / -	- / -	- / -	- / -	- / -
Total, Mode S/5 IFF	*0 / 0.000*	*- / -*	*- / -*	*35 / 7.491*	*- / -*	*35 / 7.491*	*39 / 8.208*	*- / -*	*- / -*	*- / -*	*- / -*	*74 / 15.699*
Total Procurement, All Modifications	*0 / 0.000*	*- / -*	*- / -*	*35 / 7.491*	*- / -*	*35 / 7.491*	*39 / 8.208*	*- / -*	*- / -*	*- / -*	*- / -*	*74 / 15.699*
Support												
CHANGE ORDERS	0 / 0.000	- / -	- / -	- / 0.603	- / -	- / 0.603	- / 0.260	- / -	- / -	- / -	- / -	- / 0.863
DATA	0 / 0.000	- / -	- / -	- / 0.617	- / -	- / 0.617	- / 0.190	- / -	- / -	- / -	- / -	- / 0.807
SIM/TRAINER	0 / 0.000	- / -	- / -	- / 0.450	- / -	- / 0.450	- / 0.814	- / -	- / -	- / -	- / -	- / 1.264
PMA	0 / 0.000	- / -	- / -	- / 0.429	- / -	- / 0.429	- / 0.380	- / 0.030	- / -	- / -	- / -	- / 0.839
Total Support, All Modifications	*0.000*	*-*	*-*	*2.099*	*-*	*2.099*	*1.644*	*0.030*	*-*	*-*	*-*	*3.773*
Total Procurement and Support	*0.000*	*-*	*-*	*9.590*	*-*	*9.590*	*9.852*	*0.030*	*-*	*-*	*-*	*19.472*
Mode S/5 IFF Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	12 / 2.351	38 / 2.479	24 / -	- / -	- / -	74 / 4.830

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 9709 - Mode S/5 IFF
Models of Systems Affected: B-52H	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101113F

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*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*12 / 2.351*	*38 / 2.479*	*24 / -*	*- / -*	*- / -*	*74 / 4.830*
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**9.590**	**-**	**9.590**	**12.203**	**2.509**	**-**	**-**	**-**	**24.302**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 9709 - Mode S/5 IFF
Models of Systems Affected: B-52H	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101113F

Manufacturer Information: Mode S/5 IFF

Manufacturer Name: Unknown	Manufacturer Location: Unknown
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 16

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

Installation: Mode S/5 IFF	Method of Implementation: Contract Field Team	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	12 / 2.351	23 / 1.759	- / -	- / -	- / -	35 / 4.110
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	12 / 2.351	23 / 1.759	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.720	24 / -	- / -	- / -	39 / 0.720
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.720	3 / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	12 / 2.351	38 / 2.479	24 / -	- / -	- / -	74 / 4.830
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	12 / 2.351	23 / 1.759	21 / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.720	3 / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** B05200 - B-52	**Modification Nomenclature (*Modification Number - Modification Title*):** 9709 - Mode S/5 IFF
Models of Systems Affected: B-52H	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0101113F

Installation: Mode S/5 IFF	Method of Implementation: Contract Field Team	Installation Name:

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	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	9	9	9	11	9	9	9	6	-	-	-	-	-	-	74
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	9	9	9	11	9	9	9	6	-	-	-	-	-	-	74

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0401134F

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)*	0.000	-	168.600	27.197	-	27.197	25.791	25.688	26.115	26.588	1,296.416	1,596.395
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	168.600	27.197	-	27.197	25.791	25.688	26.115	26.588	1,296.416	1,596.395
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**168.600**	**27.197**	**-**	**27.197**	**25.791**	**25.688**	**26.115**	**26.588**	**1,296.416**	**1,596.395**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 Large Aircraft Infrared Countermeasures (LAIRCM) system provides a significantly improved defensive capability for the Department of Defense to counter the proliferating infrared (IR) man-portable air defense systems (MANPADS) missile threats. This system is fully automatic following power-up and consists of group A aircraft modification kits and group B equipment. The LAIRCM system [AN/AQQ-24(V)] consists of Missile Warning Sensors (MWS), Guardian Laser Transmitter Assemblies (GLTA)/Small Laser Transmitter Assemblies (SLTA), a colorless eye-safe multiband laser, Control Indicator Unit (CIU), a system processor to detect, track and counter incoming IR missiles and repeaters as needed by the platform.

Enhancements and retrofits to the current configuration were planned for purchase and installation in FY08 and beyond. These enhancements include retrofits of the SLTA to a smaller, lighter GLTA. In addition, the current AAR-54 sensor will be replaced by a more effective infrared (IR) Next Generation Missile Warning Sensor (NexGen MWS). The processor and CIU are also slated to be replaced with updated versions that address Diminishing Manufacturing Sources (DMS) and improve reliability.

The LAIRCM production modification funds individual platforms via their P-1 line items through FY12 (P-1 lines: C-130J, #65; C-17, #48; C-5, #43; C-130, #63; and HC/MC-130 Recap, #75). The production modification funding continues in FY13 via the LAIRCM P-1 line item (#35). This change consolidates all Air Force LAIRCM production funding under a single P-1 line item and facilitates improved financial reporting and flexibility in meeting warfighter requirements. However, each individual platform program office retains program management, requirements generation and reporting responsibilities for their LAIRCM modification programs.

Funding for this exhibit contained in PE 0401134F.

The total $168.6M in FY13 funding is comprised of $139.8M OCO and $28.8M in baseline.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:** / **Other Related Program Elements:** 0401134F
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
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	164.725	27.197	-	27.197	25.791	25.688	26.115	26.588
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	3.875	-	-	-	-	-	-	-

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130	P40A		-	-	0.000	-	-	-	-	-	28.300	-	-	-	-	-	-	-	-	-
LAIRCM C-17 LTA Retrofit	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAIRCM C-17 MWS Retrofit	P40A		-	-	0.000	-	-	-	-	-	-	-	-	0.420	-	-	-	-	-	0.420
LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5	P40A		-	-	0.000	-	-	-	-	-	30.447	-	-	3.039	-	-	-	-	-	3.039
LARGE AIRCRAFT INFRARED COUNTERMEASURES HC/ MC-130 Recap	P40A		-	-	0.000	-	-	-	-	-	46.100	-	-	-	-	-	-	-	-	-
1 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J	P3A		-	-	0.000	-	-	-	-	-	46.385	-	-	8.447	-	-	-	-	-	8.447
2 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17	P3A		-	-	-	-	-	-	-	-	17.368	-	-	15.291	-	-	-	-	-	15.291
Total Gross/Weapon System Cost					**0.000**			**-**			**168.600**			**27.197**			**-**			**27.197**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.300
LAIRCM C-17 LTA Retrofit	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.159	-	-	21.159
LAIRCM C-17 MWS Retrofit	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	451.349	-	-	451.769

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft

P-1 Line Item Nomenclature:
LAIRCM - Large Aircraft Infrared Countermeasures

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401134F

MDAP/MAIS Code(s):

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5	P40A		-	-	1.103	-	-	1.065	-	-	0.994	-	-	1.014	-	-	-	-	-	37.662
LARGE AIRCRAFT INFRARED COUNTERMEASURES HC/ MC-130 Recap	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46.100
1 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J	P3A		-	-	8.603	-	-	8.707	-	-	8.864	-	-	9.024	-	-	786.130	-	-	876.160
2 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17	P3A		-	-	16.085	-	-	15.916	-	-	16.257	-	-	16.550	-	-	37.778	-	-	135.245
Total Gross/Weapon System Cost					**25.791**			**25.688**			**26.115**			**26.588**			**1,296.416**			**1,596.395**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J

Models of Systems Affected: C130J	Type Modification: Capability Improvement	Related RDT&E PEs: 0401134F

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)*	0.000	-	46.385	8.447	-	8.447	8.603	8.707	8.864	9.024	786.130	876.160
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	46.385	8.447	-	8.447	8.603	8.707	8.864	9.024	786.130	876.160
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**46.385**	**8.447**	**-**	**8.447**	**8.603**	**8.707**	**8.864**	**9.024**	**786.130**	**876.160**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 Large Aircraft Infrared Countermeasures (LAIRCM) system provides a significantly improved defensive capability for the C-130J and EC-130J to counter the proliferating Infrared (IR) man-portable air defense systems (MANPADS) missile threats. This system is fully automatic following power-up and consists of group A aircraft modification kits and group B equipment. The LAIRCM system consists of, but is not limited to, 5 missile warning sensors (MWS), 2 Turret Assemblies, a colorless eye-safe multiband laser, control indicator unit (CIU), and a system processor to detect, track, and counter incoming IR missiles. As Line Replaceable Units (LRUs) are updated, LAIRCM will be updated with the latest configuration of LRUs.

The "Change Orders" line in the funding table includes diminishing manufacturing sources (DMS) costs for the identification, review and monitoring of items with high DMS risk potential, classification of identified items according to criticality, identification of alternatives for items having high DMS risks, and non-recurring engineering (NRE)/replacement costs for DMS components. Additionally, "change orders" include NRE/replacement costs for equipment updates to increase reliability, availability, and maintainability of LAIRCM group B components as identified during the fiscal year.

This program includes all efforts needed to procure, field and support LAIRCM. These efforts include, but are not limited to, Hardware procurement, installation, Installation support, initial spares, support equipment, Government Furnished Equipment (GFE) and GFE repairs, Interim Contractor Support (ICS), depot standup, Systems Engineering and Program Management (SEPM), Failure Reporting and Corrective Analysis Support (FRACAS), Other Government Costs (OGCs), Pre-planned product Improvements (P3I), and Program management and administration (PMA) costs.

LAIRCM kit quantities purchased are dependent on the unit cost and/or the installation cost of the kits.

NOTES:
The C-130J LAIRCM production modification is funded via the C-130J P-1 line item through FY12. The LAIRCM production modification number through FY12 is 8629. The C-130J LAIRCM production modification funding continues in FY13 until completion via the LAIRCM P-1 line item. The LAIRCM production modification number for C-130J starting with FY13 is 8629C130J. This change consolidated all Air Force LAIRCM production funding under a single P-1 line item and facilitates improved financial reporting and flexibility in meeting warfighter requirements.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J
Models of Systems Affected: C130J	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401134F

FY09, FY11 and FY12 quantities only represent the C-130J P-1 line, the dollars are within the C-130J P-1.

C-130J P-1 Line:
FY12 procures 2 Grp A and B kits (Active) - Installs in FY16.
FY12 OCO procures 5 Grp A and B kits (Active) - Installs in FY14.

LAIRCM P-1 Line:
FY13 procures 1 Grp A and B kit (Active) plus 8 installs (6 FY11 and 2 FY12) - Installs in FY15.
FY13 OCO procures 8 Grp A and B kits (Active) and installs in FY15.
FY 15 procures 1 Grp A and B kits (Active)- Installs in FY16.
FY16 procures 2 Grp A and B kits (Active) plus 1 installs - Installs in FY17.
FY17 procures 1 Grp A and B kits (Active) plus 2 installs - Installs in FY18.
FY 18 procures 1 Grp A and B kits (Active) plus 1 installs - Installs in FY19.
To Complete procures 103 Grp A and B kits (Active) plus 105 installs - Installs in FY19 and beyond. Goal is to procure LAIRCM and install onboard 140 aircraft.

The FY09 supplemental "Bridge" funding was early to need. The baseline C-130J RDT&E effort completed in FY11. FY09 funds were used to buy two EC-130J kits and installs when the first C-130J kits were procured in FY11. Therefore, these two FY09-funded kits were installed in FY13.

This program has associated Research, Development, Test & Evaluation (RDT&E) funding in PE 0401134F. One C-130J was modified using RDT&E funding. This is not included as part of the 140 planned C-130Js to be modified with this exhibit.
FY 2009 funding totals include $12M of appropriated supplemental "Bridge" funding.
FY 2011 NGREA funding $22.6M procures 7 Group B kits for the Air National Guard.
FY 2012 funding totals include $27.9M for Overseas Contingency Operations.
FY 2013 funding totals include $38.1M for Overseas Contingency Operations.

"Installation of Hardware" and the "Installation Schedule" sections are aligned with group A installs. Install schedule is predicated on additional modification lines at WR-ALC and/or Lockheed Martin.

GROUP A & B
Kits

	Prior	FY12	FY13	FY14	FY15	FY16	FY17	FY18	To Comp.	Total
Active	6	7	9	2	1	2	1	1	104	133
ANG	2	0	0	0	0	0	0	0	5	7

Kit Install

	Prior	FY12	FY13	FY14	FY15	FY16	FY17	FY18	To Comp.	Total
Active	0	0	5	14	10	0	1	2	100	133
ANG	0	2	0	0	5	0	0	0	0	7

"Aircraft Breakdown" represents the total amount of group A equipment procured with Aircraft Modification funds associated with the C-130J P-1 Line and LAIRCM P-1 Line.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J
Models of Systems Affected: C130J	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401134F

Aircraft Breakdown: ACTIVE 133, RESERVE 0, ANG 7, TOTAL 140

Milestone/Development Status

LAIRCM development on the C-130J platform concluded in FY 11. First production kit buy was in FY 11.
The C-130J LAIRCM system will incorporate the GLTA and the AAR-54 MWS.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J
Models of Systems Affected: C130J	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401134F

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												
LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	6 / 0.000	7 / -	9 / 6.275	2 / 1.400	- / -	2 / 1.400	- / -	1 / 0.762	1 / 0.776	1 / 0.790	106 / 95.226	133 / 105.229
INSTALL KITS Group A (Guard)	2 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.750	7 / 3.750
Subtotal Recurring	*8 / 0.000*	*7 / -*	*9 / 6.275*	*2 / 1.400*	*- / -*	*2 / 1.400*	*- / -*	*1 / 0.762*	*1 / 0.776*	*1 / 0.790*	*111 / 98.976*	*140 / 108.979*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / 0.033	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.050	- / 0.083
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / 0.033*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 0.050*	*- / 0.083*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	6 / 0.000	7 / -	9 / 19.416	2 / 5.010	- / -	2 / 5.010	- / -	1 / 2.485	1 / 2.530	1 / 2.576	106 / 312.318	133 / 344.335
EQUIPMENT Group B (Guard)	2 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 12.472	7 / 12.472
Subtotal Recurring	*8 / 0.000*	*7 / -*	*9 / 19.416*	*2 / 5.010*	*- / -*	*2 / 5.010*	*- / -*	*1 / 2.485*	*1 / 2.530*	*1 / 2.576*	*111 / 324.790*	*140 / 356.807*
Secondary Distribution												
AF	6 / 0.000	7 / -	9 / 35.685	2 / 7.747	- / -	2 / 7.747	- / 7.194	1 / 6.926	1 / 7.625	1 / 7.952	- / -	- / -
AFNG	2 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total, LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J	*8 / 0.000*	*7 / -*	*9 / 25.724*	*2 / 6.410*	*- / -*	*2 / 6.410*	*- / -*	*1 / 3.247*	*1 / 3.306*	*1 / 3.366*	*111 / 423.816*	*140 / 465.869*
Total Procurement, All Modifications	*8 / 0.000*	*7 / -*	*9 / 25.724*	*2 / 6.410*	*- / -*	*2 / 6.410*	*- / -*	*1 / 3.247*	*1 / 3.306*	*1 / 3.366*	*111 / 423.816*	*140 / 465.869*
Support												
CHANGE ORDERS	0 / 0.000	- / -	- / 3.848	- / -	- / -	- / -	- / 0.917	- / 0.599	- / 0.721	- / 0.432	- / 65.671	- / 72.188
DATA	0 / 0.000	- / -	- / 0.311	- / -	- / -	- / -	- / 0.192	- / 0.197	- / 0.225	- / 0.263	- / 4.511	- / 5.699
SIM/TRAINER	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.662	- / 0.221	- / 1.069	- / 1.366	- / 17.684	- / 22.002
SUPPORT- EQUIP	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.500	- / 1.500
Install Spares	0 / 0.000	- / -	- / 3.188	- / 0.269	- / -	- / 0.269	- / 1.425	- / 0.262	- / 0.398	- / 0.405	- / 39.553	- / 45.500
ICS-Labor	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.025	- / 1.025
Depot Stand-up	0 / 0.000	- / -	- / -	- / 0.108	- / -	- / 0.108	- / 0.650	- / 0.232	- / 0.225	- / 0.686	- / 11.160	- / 13.061
PROGRAM MANAGEMENT	0 / 0.000	- / -	- / 1.420	- / 0.960	- / -	- / 0.960	- / 0.936	- / 0.953	- / 0.970	- / 0.987	- / 41.182	- / 47.408

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J
Models of Systems Affected: C130J	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401134F

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 GOVT	0 / 0.000	- / -	- / 1.194	- / -	- / -	- / -	- / 0.265	- / 0.270	- / 0.274	- / -	- / 2.512	- / 4.515
PMA - Other Gov't Costs	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.147	- / 0.945	- / 0.437	- / 0.447	- / 60.184	- / 63.160
Total Support, All Modifications	*0.000*	*-*	*9.961*	*1.337*	*-*	*1.337*	*7.194*	*3.679*	*4.319*	*4.586*	*244.982*	*276.058*
Total Procurement and Support	*0.000*	*-*	*35.685*	*7.747*	*-*	*7.747*	*7.194*	*6.926*	*7.625*	*7.952*	*668.798*	*741.927*
LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J Installation Cost	2 / 0.000	- / -	- / 10.700	6 / 0.700	- / -	6 / 0.700	6 / 1.409	11 / 1.781	3 / 1.239	1 / 1.072	111 / 117.332	140 / 134.233
Total Installation Cost	*2 / 0.000*	*- / -*	*- / 10.700*	*6 / 0.700*	*- / -*	*6 / 0.700*	*6 / 1.409*	*11 / 1.781*	*3 / 1.239*	*1 / 1.072*	*111 / 117.332*	*140 / 134.233*
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**46.385**	**8.447**	**-**	**8.447**	**8.603**	**8.707**	**8.864**	**9.024**	**786.130**	**876.160**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J

Models of Systems Affected: C130J	Type Modification: Capability Improvement	Related RDT&E PEs: 0401134F

Manufacturer Information: LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J

Manufacturer Name: NORTHRUP GRUMMAN	Manufacturer Location: ROLLING MEADOWS
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 14

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		May 2015	May 2016		May 2017	May 2018	May 2019

Installation: LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / 10.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.700
Secondary Distribution - Air Force Active	- / -	- / -	- / 10.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / 0.700	- / -	- / 0.700	- / 1.409	- / -	- / -	- / -	- / -	- / 2.109
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / 0.700	- / -	- / 0.700	- / 1.409	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.781	- / -	- / -	- / -	- / 1.781
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.781	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.239	- / -	- / -	1 / 1.239
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.239	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.072	- / -	1 / 1.072
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.072	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	111 / 117.332	111 / 117.332
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / 10.700	- / 0.700	- / -	- / 0.700	- / 1.409	- / 1.781	1 / 1.239	1 / 1.072	111 / 117.332	113 / 134.233
Secondary Distribution - Air Force Active	- / -	- / -	- / 10.700	- / 0.700	- / -	- / 0.700	- / 1.409	- / 1.781	1 / 1.239	1 / 1.072	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures	**Modification Nomenclature** **(*Modification Number - Modification Title*):** 1 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J
Models of Systems Affected: C130J	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401134F

Installation: LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J	**Method of Implementation:** Depot	**Installation Name:**

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	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	3	3	3	4	4	1	1	1	-	-	1	114	140
Out	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	3	3	3	4	4	1	1	1	-	-	113	140

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17

Models of Systems Affected: C-17	Type Modification: Capability Improvement	Related RDT&E PEs: 0401134F

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)*	-	-	17.368	15.291	-	15.291	16.085	15.916	16.257	16.550	37.778	135.245
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	17.368	15.291	-	15.291	16.085	15.916	16.257	16.550	37.778	135.245
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**17.368**	**15.291**	**-**	**15.291**	**16.085**	**15.916**	**16.257**	**16.550**	**37.778**	**135.245**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 Large Aircraft Infrared Countermeasures (LAIRCM) system provides a significantly improved defensive capability for the C-17 to counter the proliferating infrared (IR) man-portable air defense systems (MANPADS) missile threats. This system is fully automatic following power-up and consists of group A aircraft modification kits and group B equipment. The LAIRCM system [AN/AQQ-24(V)] consists of 6 missile warning sensors (MWS), 1 (lite configuration) or 3 (full configuration) Guardian Laser Transmitter Assemblies (GLTA)/Small Laser Transmitter Assemblies (SLTA), a colorless eye-safe multiban laser, control indicator unit (CIU), 2 repeaters and a system processor to detect, track and counter incoming IR missiles.

Enhancements and retrofits to the current configuration are planned for purchase and installation in FY14 and beyond. These enhancements include retrofits of the SLTA to a smaller, lighter GLTA. In addition, the current AAR-54 sensor will be replaced by a more effective infrared (IR) Next Generation Missile Warning Sensor (NexGen MWS). The processor and CIU are also slated to be replaced with updated versions that address diminishing manufacturing sources (DMS) and reliability efforts.

The C-17 LAIRCM modification is appropriated through FY12 in the C-17 P-1 line item #48. C-17 LAIRCM modification funding continues in FY13 until completion in the LAIRCM P-1 line item. This change consolidates all Air Force LAIRCM funding under a single P-1 line item and facilitates improved financial reporting and flexibility in meeting warfighter requirements. The LAIRCM modification number through FY12 is 8629. Starting in FY13 the C-17 LAIRCM modification number is 8629C17. The SLTA to GLTA retrofit and NexGen MWS retrofit (not the initial LAIRCM NexGen MWS installs) are broken out in separate P3As starting in FY13. SLTA to GLTA retrofit funding is documented for FY12 and prior in P3A #8629. SLTA to GLTA retrofit funding is documented for FY13 and out in P3A #8629C17A. NexGen MWS retrofit funding is documented for FY12 and prior in P3A #8629. NexGen MWS retrofit funding is documented for FY13 and out in P3A #8629C17B. The narrative in this P3A (#8629C17) includes verbiage for these two retrofits but the funding table does not include hardware (Group A & B) and installation funding.

The "Change Orders" line in the funding table include DMS costs for the identification, review, and monitoring of items with high DMS risk potential, classification of identified items according to criticality, identification of alternatives for items having high DMS risks, and non-recurring engineering (NRE)/replacement cost for DMS components. Additionally, "change orders" include NRE/replacement costs for equipment updates to increase reliability, availability, and maintainability of LAIRCM group B components as identified during the fiscal year.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17

Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401134F

This program includes all efforts needed to procure, field and support LAIRCM. These efforts include, but are not limited to, Hardware procurement, installation, installation support, modification spares, support equipment, government furnished equipment (GFE) and GFE repairs, Interim Contractor Support (ICS), depot standup, Systems Engineering and Program Management (SEPM), Failure Reporting and Corrective Analysis Support (FRACAS), Other Government Costs (OGCs), Pre-planned Product Improvements (P3I), program management and administration (PMA) costs and data.

In FY 2011, five aircraft were reassigned from the US Air Force to the Air Force Reserve and Air National Guard. Three aircraft were assigned to the Air Force Reserve at Wright-Patterson AFB OH; two of the three had previously been modified with LAIRCM. Two aircraft were assigned to the Air National Guard at Stewart NGB NY; those two had previously been modified with LAIRCM. In FY 2012, thirteen aircraft were reassigned from the US Air Force to the Air Force Reserve and Air National Guard. Six aircraft were assigned to the Air Force Reserve at Wright-Patterson AFB OH; those six had previously been modified with LAIRCM. Seven aircraft were assigned to the Air National Guard at Stewart NGB NY; those seven had previously been modified with LAIRCM. In FY 2013, four aircraft were reassigned from the US Air Force to the Air National Guard at Memphis National Guard Base TN; 2 of the 4 had previously been modified with LAIRCM. Therefore, prior year kit buys and installs costs for Active, Guard and Reserve were adjusted accordingly.

Adjusted installation schedule is a result of the C-17 program office standing up a fourth modification line and moving SLTA to GLTA upgrades from the main operating bases to the modification lines at the depot.

NOTES:
C-17 P-1 Line: (MN-8629 only)
FY07 procured 11 group A kits, 11 GLTA-Lite group B kits, 13 SLTA to GLTA retrofit group A & B kits, 1 NexGen retrofit group A kit and 2 NexGen retrofit group B kits and 1 install.
FY07 Congressional Add procured 10 GLTA-Lite group A & B kits and installs with Aircraft Production funds not documented on this P3A.
FY07 GWOT procured 27 GLTA-Lite group A & B kits and installs.
FY08 procured 2 group A kits and 11 installs; 7 SLTA to GLTA retrofit group A & B kits and sustaining engineering for 13 installs.
FY08 GWOT procured 8 group A kits and installs.
FY09 procured 2 A & B kits and installs; 15 SLTA to GLTA retrofit group A & B kits and sustaining engineering for 22 installs; and 1 NexGen retrofit group B kit.
FY09 supplemental "Bridge" procured 4 A & B kits and installs (Full configuration).
FY10 procures 4 group A Kits & 14 group B kits and 6 installs; 27 SLTA to GLTA retrofit group A & B kits and sustaining engineering for installs; and 1 NexGen retrofit group A kits and 10 NexGen retrofit group B kits and 1 install.
FY10 Congressional Add procured 32 group A kits & installs & 17 group B kits with Aircraft Production funds not documented on this P3A.
FY10 OCO procured 14 NexGen group B kits.
FY10 OCO procured 7 NexGen group B Kits; 4 SLTA to GLTA-Full retrofit group A & B kits and installs; and additional spares.
FY11 procured 20 NexGen retrofit group A kits & 10 NexGen retrofit group B kits.
FY11 OCO procured 29 NexGen group A kits and installs & 8 NexGen group B kits; 10 NexGen retrofit group A & B kits & installs; 42 GLTA-Lite to GLTA-Full group B kits; and 8 SLTA to GLTA-Full group A & B retrofit kits and sustaining engineering & installs.
FY12 procured 3 NexGen retrofit group A & B kits and 20 NexGen retrofit installs.
FY12 Congressional Add procured 1 NexGen group A & B kit & install with Aircraft Production funds not documented on this P3A.

LAIRCM P-1 Line: (Includes 8629C17, 8629C17A, 8629C17B)
FY13 procures 2 NexGen group A & B kits.
FY14 procures 1 NexGen group A & B kit; 2 NexGen installs; 3 NexGen retrofit installs.
FY15 procures 1 NexGen group A & B kit; 1 NexGen install.
FY16 procures 1 NexGen group A & B kit; 1 NexGen install.
FY17 procures 1 NexGen group A & B kits; 1 NexGen install.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401134F

FY18 procures 1 NexGen group A & B kits; 1 NexGen install.

To complete procures
8629C17-- 5 NexGen group A & B kits and 6 NexGen installs;
8629C17A-- 5 SLTA-GLTA retrofit kits and installs;
8629C17B-- 145 NexGen group A retrofit kits and installs, 136 NexGen group B retrofits kits.

LAIRCM kit quantities purchased are dependent on the unit cost and/or the installation cost of the kits.
RDT&E funding: 2 group A, 2 group B
Aircraft Procurement funding: 43 group A, 28 group B (Aircraft Production procurement funding not documented on 8629 or 8629C17 P3A)
Modification/BA05 funding: 177 group A, 184 group B
TOTAL: 222 group A, 214 group B (NOTE: 8 aircraft are not getting group B)

This program has associated Research, Development, Test & Evaluation (RDT&E) funding in PE 0401130F.
Two C-17s were modified with LAIRCM (group A & B) using RDT&E funds.
Aircraft group A Breakdown: 139 Active (includes 1 RDT&E C-17), 18 Reserve, and 22 ANG (Includes 1 RDT&E C-17)= 179 Total
Fleet management plan currently modifies 8 C-17s (Altus) with group A and not group B.

FY 2009 funding totals include $14M of appropriated supplemental "Bridge" funding.
FY 2010 funding totals include $120.725M for Overseas Contingency Operations.
FY 2011 funding totals include $176.45M for Overseas Contingency Operations.

NEXGEN NEW INSTALLS SCHEDULE:

GROUP A Procurement (FY of funding)
Kit Procurement

	Prior	FY12	FY13	FY14	FY15	FY16	FY17	FY18	To Comp.	Total
Active	129	0	2	1	1	1	1	1	2	138
Reserve	18	0	0	0	0	0	0	0	0	18
ANG	18	0	0	0	0	0	0	0	3	21

Total: 177

Installation schedule

	Prior	FY12	FY13	FY14	FY15	FY16	FY17	FY18	To Comp.	Total
Active	90	4	7	12	20	1	1	1	1	138
Reserve	17	0	0	0	1	0	0	0	0	18
ANG	9	3	5	0	1	0	0	0	0	21

Total: 177

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401134F

Note: 7 group A and B installs were completed with Aircraft Procurement (BA02) funding and are not included in the totals above or the group B installations below; however, the group B kits were procured with Modification (BA05) funding so there are 184 group B kits being procured but only 177 group A Kits and group A and B installations.

GROUP B Procurement (FY of funding, includes spares)
Kit Procurement

	Prior	FY12	FY13	FY14	FY15	FY16	FY17	FY18	To Comp.	Total
Active	136	0	2	1	1	1	1	1	2	145
Reserve	18	0	0	0	0	0	0	0	0	18
ANG	18	0	0	0	0	0	0	0	3	21

Total: 184

Note: Funding swap of FY2011 OCO for FY2010 OCO has moved 7 group A & B kits from FY2011 to FY2010.

Installation schedule

	Prior	FY12	FY13	FY14	FY15	FY16	FY17	FY18	To Comp.	Total
Active	90	4	7	12	1	1	1	1	2	138
Reserve	17	0	0	1	0	0	0	0	0	18
ANG	9	3	5	1	0	0	0	0	3	21

Total: 177

Note: 177 C-17s will be retrofited with LAIRCM with Modification (BA05) funding between mod #8629 and mod #8629C17. 43 C-17s will be completed with Aircraft Procurement (BA02) funding and 2 with RDT&E for a total of 222 C-17 installed with LAIRCM.

C-17 planned retrofit procurement & install schedule

	Prior	FY12	FY13	FY14	FY15	FY16	FY17	FY18	To Comp.	Total
SLTA to GLTA Grp A & B retrofit kits	75	0	0	0	0	0	0	0	5	80
SLTA to GLTA retrofit kit installs*	14	18	14	21	8	0	0	0	5	80
AAR-54 to NexGen Grp A retrofit kits	32	3	0	0	0	0	0	0	145	180
AAR-54 to NexGen Grp B retrofit kits	33	3	0	0	0	0	0	0	136	172
AAR-54 to NexGen retrofit kit installs	1	0	1	30	3	0	0	0	145	180
GLTA Lite to Full Grp B procurements	49	0	0	0	0	0	0	0	0	49
GLTA Lite to Full installs (TCTO)	21	17	8	3	0	0	0	0	0	49

Note: 3 GLTA-Lite were SLTA-GLTA-Lite conversions
Note: FY2010 OCO procured 21 BP11 NexGen group B kits; the 21 NexGen group A kits and Installs will be accomplished with FY2011 OCO BP11.
Note: SLTA to GLTA Retrofit Installations prior to FY12 were field retrofits completed by Recovery and Modification Services (RAMS), not funded with LAIRCM funds.
Retrofit install schedule is based on lead times for kits. The actual install schedules will be dependent on release of the aircraft from the field for install.

In addition to group B shipsets, the "EQUIPMENT group B" line cost (not quantity) includes the group B equipment (kits & LRUs) procured for SLTA to GLTA retrofits, AAR-54 to NexGen group B retrofit and GLTA-Lite to Full retrofit. "RETROFIT KITS" and "RETROFIT INSTALLATION" reflect SLTA to GLTA, GLTA-Lite to Full and NexGen retrofit group A & B kits and installs.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17

Models of Systems Affected: C-17	Type Modification: Capability Improvement	Related RDT&E PEs: 0401134F

"INSTALLATION OF HARDWARE" and the "Installation Schedule" section are aligned with group A installs. "Aircraft Breakdown" represents group B equipment procured with Aircraft Modification funds.

Milestone/Development Status

Development Complete

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17

Models of Systems Affected: C-17	Type Modification: Capability Improvement	Related RDT&E PEs: 0401134F

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												
LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	2 / 1.790	1 / 0.912	- / -	1 / 0.912	1 / 0.912	1 / 0.912	1 / 1.100	1 / 1.200	2 / 2.400	9 / 9.226
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 3.900	3 / 3.900
Subtotal Recurring	*0 / 0.000*	*- / -*	*2 / 1.790*	*1 / 0.912*	*- / -*	*1 / 0.912*	*1 / 0.912*	*1 / 0.912*	*1 / 1.100*	*1 / 1.200*	*5 / 6.300*	*12 / 13.126*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / 0.275	- / 0.500	- / -	- / 0.500	- / 0.600	- / 0.600	- / 0.750	- / 0.750	- / -	- / 3.475
KITS NONRECUR Group A (Reserve)	0 / 0.000	- / -	- / 0.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.275
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / 0.550*	*- / 0.500*	*- / -*	*- / 0.500*	*- / 0.600*	*- / 0.600*	*- / 0.750*	*- / 0.750*	*- / -*	*- / 3.750*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	1 / 3.600	1 / 3.900	- / -	1 / 3.900	1 / 4.700	1 / 4.850	1 / 5.000	1 / 5.200	2 / 10.400	8 / 37.650
EQUIPMENT Group B (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 15.600	3 / 15.600
EQUIPMENT Group B (Reserve)	0 / 0.000	- / -	1 / 3.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.600
Subtotal Recurring	*0 / 0.000*	*- / -*	*2 / 7.200*	*1 / 3.900*	*- / -*	*1 / 3.900*	*1 / 4.700*	*1 / 4.850*	*1 / 5.000*	*1 / 5.200*	*5 / 26.000*	*12 / 56.850*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
EQUIP NONREC Group B (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Secondary Distribution												
AF	0 / 0.000	- / -	2 / 13.493	1 / 13.465	- / -	1 / 13.465	1 / 15.172	1 / 15.003	1 / 15.344	1 / 15.637	- / -	- / -
AFNG	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
AFR	0 / 0.000	- / -	- / 3.875	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total, LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17	*0 / 0.000*	*- / -*	*2 / 9.540*	*1 / 5.312*	*- / -*	*1 / 5.312*	*1 / 6.212*	*1 / 6.362*	*1 / 6.850*	*1 / 7.150*	*5 / 32.300*	*12 / 73.726*
Total Procurement, All Modifications	*0 / 0.000*	*- / -*	*2 / 9.540*	*1 / 5.312*	*- / -*	*1 / 5.312*	*1 / 6.212*	*1 / 6.362*	*1 / 6.850*	*1 / 7.150*	*5 / 32.300*	*12 / 73.726*
Support												
CHANGE ORDERS	0 / 0.000	- / -	- / 2.558	- / 1.100	- / -	- / 1.100	- / 0.103	- / 0.552	- / 0.820	- / 1.200	- / -	- / 6.333

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401134F

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)*
SIM/TRAINER	0 / 0.000	- / -	- / 0.061	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.061
SUPPORT- EQUIP	0 / 0.000	- / -	- / -	- / 0.234	- / -	- / 0.234	- / 0.129	- / 0.130	- / 0.484	- / 0.501	- / -	- / 1.478
Mod of Spares	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
ICS-Labor	0 / 0.000	- / -	- / 3.740	- / 4.325	- / -	- / 4.325	- / 5.708	- / 4.372	- / 5.560	- / 4.066	- / -	- / 27.771
PMA - Contractor Services	0 / 0.000	- / -	- / 1.469	- / 1.494	- / -	- / 1.494	- / 1.520	- / 1.546	- / 1.630	- / 1.720	- / -	- / 9.379
Depot Stand-up	0 / 0.000	- / -	- / -	- / 1.000	- / -	- / 1.000	- / 1.500	- / 2.041	- / -	- / 1.000	- / -	- / 5.541
Total Support, All Modifications	*0.000*	-	*7.828*	*8.153*	-	*8.153*	*8.960*	*8.641*	*8.494*	*8.487*	-	*50.563*
Total Procurement and Support	*0.000*	-	*17.368*	*13.465*	-	*13.465*	*15.172*	*15.003*	*15.344*	*15.637*	*32.300*	*124.289*
LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 Installation Cost	0 / 0.000	- / -	- / -	- / 1.826	- / -	- / 1.826	3 / 0.913	1 / 0.913	1 / 0.913	1 / 0.913	6 / 5.478	12 / 10.956
Total Installation Cost	*0 / 0.000*	- / -	- / -	*- / 1.826*	- / -	*- / 1.826*	*3 / 0.913*	*1 / 0.913*	*1 / 0.913*	*1 / 0.913*	*6 / 5.478*	*12 / 10.956*
Total Cost (Procurement + Support + Installation)	**0.000**	-	**17.368**	**15.291**	-	**15.291**	**16.085**	**15.916**	**16.257**	**16.550**	**37.778**	**135.245**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17

Models of Systems Affected: C-17	Type Modification: Capability Improvement	Related RDT&E PEs: 0401134F

Manufacturer Information: LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17

Manufacturer Name: Boeing	Manufacturer Location: San Antonio, TX
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 14

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates		Mar 2013	Mar 2014	Mar 2015	Mar 2016	Mar 2017	Mar 2018
Delivery Dates		May 2014	May 2015	May 2016	May 2017	May 2018	May 2019

Installation: LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17	Method of Implementation: Combination	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / 1.826	- / -	- / 1.826	- / -	- / -	- / -	- / -	- / -	- / 1.826
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / 1.826	- / -	- / 1.826	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.913	- / -	- / -	- / -	- / -	1 / 0.913
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.913	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.913	- / -	- / -	- / -	1 / 0.913
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.913	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.913	- / -	- / -	1 / 0.913
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.913	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.913	- / -	1 / 0.913
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.913	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.913	1 / 0.913
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 4.565	5 / 4.565
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / 1.826	- / -	- / 1.826	1 / 0.913	1 / 0.913	1 / 0.913	1 / 0.913	6 / 5.478	10 / 10.956
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / 1.826	- / -	- / 1.826	1 / 0.913	1 / 0.913	1 / 0.913	1 / 0.913	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	**P-1 Line Item Nomenclature:** LAIRCM - Large Aircraft Infrared Countermeasures	**Modification Nomenclature** **(***Modification Number - Modification Title***):** 2 - LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401134F

Installation: LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17	**Method of Implementation:** Combination	**Installation Name:**

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	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	1	-	-	-	1	-	-	-	1	-	6	12
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	1	-	-	-	1	-	-	-	1	6	12

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** A01000 - A-10

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207131F, 0207445F

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)*	673.277	12.528	89.919	47.598	-	47.598	0.151	0.101	-	-	-	823.574
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	673.277	12.528	89.919	47.598	-	47.598	0.151	0.101	-	-	-	823.574
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**673.277**	**12.528**	**89.919**	**47.598**	**-**	**47.598**	**0.151**	**0.101**	**-**	**-**	**-**	**823.574**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	0.685	-	-	-	-	-	-	-	-	-	-	0.685
Flyaway Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 line item funds modifications to the A-10 aircraft. The A-10 is a twin engine, single seat, close air support aircraft capable of delivering a full range of air-to-ground munitions as well as self defense air-to-air missiles. The primary modification budgeted in FY 14 is the A-10 Wing Replacement modification. The specific modifications budgeted and programmed are below.

Funding for this exhibit contained in PE 0207131F

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	10.445	45.785	19.367	-	19.367	0.151	0.101	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.404	26.528	23.389	-	23.389	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.679	17.606	4.842	-	4.842	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Nomenclature:
A01000 - A-10

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207131F, 0207445F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
DIGITAL DATA LINK	P40A		-	-	54.462	-	-	0.674	-	-	-	-	-	-	-	-	-	-	-	-
TEMS/ADR	P40A		-	-	0.000	-	-	6.686	-	-	4.500	-	-	-	-	-	-	-	-	-
MODE S/5	P40A		-	-	32.435	-	-	-	-	-	2.926	-	-	3.018	-	-	-	-	-	3.018
9804 - A-10 Wing Replacement Program	P3A		-	-	586.380	-	-	5.168	-	-	82.493	-	-	44.580	-	-	-	-	-	44.580
Total Gross/Weapon System Cost					**673.277**			**12.528**			**89.919**			**47.598**			**-**			**47.598**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
DIGITAL DATA LINK	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.136
TEMS/ADR	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.186
MODE S/5	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.379
9804 - A-10 Wing Replacement Program	P3A		-	-	0.151	-	-	0.101	-	-	-	-	-	-	-	-	-	-	-	718.873
Total Gross/Weapon System Cost					**0.151**			**0.101**			**-**			**-**			**-**			**823.574**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** A01000 - A-10	**Modification Nomenclature (*Modification Number - Modification Title*):** 9804 - A-10 Wing Replacement Program
Models of Systems Affected: A-10	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207131F

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)*	586.380	5.168	82.493	44.580	-	44.580	0.151	0.101	-	-	-	718.873
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	586.380	5.168	82.493	44.580	-	44.580	0.151	0.101	-	-	-	718.873
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**586.380**	**5.168**	**82.493**	**44.580**	**-**	**44.580**	**0.151**	**0.101**	**-**	**-**	**-**	**718.873**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 Wing Replacement program procures replacement wings for the A-10 because the cost of sustaining A-10 wings has exceeded economic limits. Economic analysis determined a $1.3 billion cost avoidance by replacing wings instead of repairing them. To increase the aircraft service life, replacing A-10 wings with enhanced wing assemblies provides the major contribution to meet the A-10's operational service life requirement. The replacement wings incorporate reliability and maintainability improvements to known fatigue critical locations. With these improvements, the replacement wings do not require major structural inspections for the first 10,000 hours of service life. The replacement wings will be installed as part of the O&M-funded Scheduled Structural Inspections (SSI) to the furthest extent possible.

Operational Requirement Document: A-10 Multi-Staged Improvement Program, dated 19 Oct 1999.

The President's Budget funds a total of 145 wings. The A-10 fleet was recently restructured to a size of 283 aircraft. Additional funding is required to replace all wings. The current contract supports wing buys through 2016.

Milestone/Development Status

The contractor delivered the First Article in March 2011 and started installation at Hill Air Force Base. Low Rate Initial Production wing delivery began in 1QFY12 and Full Rate Production wing delivery began 2QFY12.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** A01000 - A-10	**Modification Nomenclature (*Modification Number - Modification Title*):** 9804 - A-10 Wing Replacement Program
Models of Systems Affected: A-10	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207131F

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)*
RDT&E PE #												
0207131F	0 / 5.695	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.695
Procurement												
A-10 Wing Replacement Program												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	57 / 0.000	- / -	9 / -	3 / -	- / -	3 / -	- / -	- / -	- / -	- / -	- / -	69 / -
INSTALL KITS Group A (Guard)	36 / 0.000	- / -	6 / -	5 / -	- / -	5 / -	- / -	- / -	- / -	- / -	- / -	47 / -
INSTALL KITS Group A (Reserve)	24 / 0.000	- / -	4 / -	1 / -	- / -	1 / -	- / -	- / -	- / -	- / -	- / -	29 / -
Subtotal Recurring	*117 / 0.000*	- / -	*19 / -*	*9 / -*	- / -	*9 / -*	- / -	- / -	- / -	- / -	- / -	*145 / -*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	57 / 261.716	- / -	9 / 37.700	3 / 13.704	- / -	3 / 13.704	- / -	- / -	- / -	- / -	- / -	69 / 313.120
EQUIPMENT Group B (Guard)	36 / 154.225	- / -	6 / 25.133	5 / 22.840	- / -	5 / 22.840	- / -	- / -	- / -	- / -	- / -	47 / 202.198
EQUIPMENT Group B (Reserve)	24 / 104.757	- / -	4 / 16.756	1 / 4.568	- / -	1 / 4.568	- / -	- / -	- / -	- / -	- / -	29 / 126.081
Subtotal Recurring	*117 / 520.698*	- / -	*19 / 79.589*	*9 / 41.112*	- / -	*9 / 41.112*	- / -	- / -	- / -	- / -	- / -	*145 / 641.399*
Secondary Distribution												
AF	57 / 327.398	- / 5.168	9 / 40.604	3 / 17.172	- / -	3 / 17.172	- / 0.151	- / 0.101	- / -	- / -	- / -	- / -
AFNG	36 / 154.225	- / -	6 / 25.133	5 / 22.840	- / -	5 / 22.840	- / -	- / -	- / -	- / -	- / -	- / -
AFR	24 / 104.757	- / -	4 / 16.756	1 / 4.568	- / -	1 / 4.568	- / -	- / -	- / -	- / -	- / -	- / -
Total, A-10 Wing Replacement Program	*117 / 520.698*	- / -	*19 / 79.589*	*9 / 41.112*	- / -	*9 / 41.112*	- / -	- / -	- / -	- / -	- / -	*145 / 641.399*
Total Procurement, All Modifications	*117 / 520.698*	- / -	*19 / 79.589*	*9 / 41.112*	- / -	*9 / 41.112*	- / -	- / -	- / -	- / -	- / -	*145 / 641.399*
Support												
CHANGE ORDERS	0 / 25.412	- / 0.762	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.174
DATA	0 / 2.187	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.187
OTHER GOVT	0 / 38.083	- / 4.406	- / 2.349	- / 3.003	- / -	- / 3.003	- / 0.151	- / 0.101	- / -	- / -	- / -	- / 48.093
PMA - Other Gov't Costs	0 / 0.000	- / -	- / 0.115	- / 0.025	- / -	- / 0.025	- / -	- / -	- / -	- / -	- / -	- / 0.140
PMA - Contractor Services	0 / 0.000	- / -	- / 0.440	- / 0.440	- / -	- / 0.440	- / -	- / -	- / -	- / -	- / -	- / 0.880
Total Support, All Modifications	*65.682*	*5.168*	*2.904*	*3.468*	-	*3.468*	*0.151*	*0.101*	-	-	-	*77.474*
Total Procurement and Support	*586.380*	*5.168*	*82.493*	*44.580*	-	*44.580*	*0.151*	*0.101*	-	-	-	*718.873*
Total Installation Cost	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** A01000 - A-10	**Modification Nomenclature (*Modification Number - Modification Title*):** 9804 - A-10 Wing Replacement Program
Models of Systems Affected: A-10	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207131F

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)	**586.380**	**5.168**	**82.493**	**44.580**	**-**	**44.580**	**0.151**	**0.101**	**-**	**-**	**-**	**718.873**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** A01000 - A-10	**Modification Nomenclature (*Modification Number - Modification Title*):** 9804 - A-10 Wing Replacement Program
Models of Systems Affected: A-10	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207131F

Manufacturer Information: A-10 Wing Replacement Program

Manufacturer Name: Boeing	Manufacturer Location: Marietta, GA
Administrative Leadtime *(in Months)*: 7	Production Leadtime *(in Months)*: 24

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

Installation: A-10 Wing Replacement Program	**Method of Implementation:** Org/Intermediate	**Installation Quantity:** 0

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0207130F, 0207134F, 0809731F, 0207445F, 0604281F

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)*	868.611	255.586	148.378	354.624	-	354.624	497.514	518.373	372.220	475.079	5,199.551	8,689.936
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	868.611	255.586	148.378	354.624	-	354.624	497.514	518.373	372.220	475.079	5,199.551	8,689.936
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**868.611**	**255.586**	**148.378**	**354.624**	**-**	**354.624**	**497.514**	**518.373**	**372.220**	**475.079**	**5,199.551**	**8,689.936**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	39.196	11.721	13.647	15.596	-	15.596	23.825	25.622	30.008	42.291	197.919	399.825
Flyaway Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 line item funds modifications to the F-15 aircraft. The F-15C/D is a twin engine, single seat, supersonic, all-weather, day/night, air-superiority fighter. The F-15E is a twin engine, two seat, supersonic dual-role, day/night, all-weather, deep interdiction fighter with multi-role air-to-air capabilities. The overall goals of the budgeted modifications are to improve operational capability, reliability and maintainability, and flight safety. The specific modifications budgeted and programmed are below.

This program has associated Research Development Test and Evaluation (RDT&E) in PE 0207134F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	200.453	145.362	297.455	-	297.455	403.440	436.610	351.191	406.122
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	55.133	3.016	57.169	-	57.169	94.074	81.763	21.029	68.957
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Nomenclature:
F01500 - F-15

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

Program Elements for Code B Items:

Other Related Program Elements: 0207130F, 0207134F, 0809731F, 0207445F, 0604281F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
F-15C Avionics Replacement	P40A		-	-	29.347	-	-	8.736	-	-	-	-	-	-	-	-	-	-	-	-
Advanced Display Core Processor, ADCP II-E	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C/D Secondary Power System	P40A		-	-	0.089	-	-	0.448	-	-	2.846	-	-	2.857	-	-	-	-	-	2.857
E Secondary Power System	P40A		-	-	5.034	-	-	2.323	-	-	-	-	-	-	-	-	-	-	-	-
:Advanced Display Core Processor, ADCP II-C	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IRST	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F-15E M-Code GPS	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C/D Flight Data Recorder (FDR)	P40A		-	-	11.853	-	-	10.314	-	-	2.062	-	-	2.056	-	-	-	-	-	2.056
F-15E Flight Data Recorder (FDR)	P40A		-	-	10.222	-	-	10.883	-	-	1.811	-	-	1.694	-	-	-	-	-	1.694
AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	P40A		-	-	2.919	-	-	0.751	-	-	0.673	-	-	0.835	-	-	-	-	-	0.835
F-15 A/D DIGITAL VIDEO RECORDER	P40A		-	-	19.061	-	-	1.976	-	-	-	-	-	-	-	-	-	-	-	-
F-15E DIGITAL VIDEO RECORDER	P40A		-	-	11.283	-	-	6.118	-	-	1.546	-	-	-	-	-	-	-	-	-
E IFF MODE 5	P40A		-	-	40.938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Link 16 Cryptographic Modernization (CMI)	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPAWSS-E	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPAWSS-C/D	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5th to 4th Gen Gateway	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1202 - F-15E AESA Radar	P3A		-	-	85.266	-	-	99.299	-	-	100.000	-	-	195.139	-	-	-	-	-	195.139
6158 - F-15C/D APG-63(V)3 radar upgrade	P3A		-	-	576.448	-	-	92.991	-	-	15.956	-	-	113.147	-	-	-	-	-	113.147
8353 - F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM	P3A		-	-	65.686	-	-	-	-	-	4.164	-	-	21.170	-	-	-	-	-	21.170
8794 - F-15C/D BLOS	P3A		-	-	-	-	-	21.747	-	-	11.320	-	-	12.226	-	-	-	-	-	12.226
8797 - F-15C Passive Attack Sensor System	P3A		-	-	10.465	-	-	-	-	-	8.000	-	-	5.500	-	-	-	-	-	5.500
Total Gross/Weapon System Cost					**868.611**			**255.586**			**148.378**			**354.624**			**-**			**354.624**

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Nomenclature:
F01500 - F-15

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

Program Elements for Code B Items:

Other Related Program Elements: 0207130F, 0207134F, 0809731F, 0207445F, 0604281F

MDAP/MAIS Code(s):

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
F-15C Avionics Replacement	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.083
Advanced Display Core Processor, ADCP II-E	P40A		-	-	32.538	-	-	58.116	-	-	55.620	-	-	14.768	-	-	1.400	-	-	162.442
C/D Secondary Power System	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.240
E Secondary Power System	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.357
:Advanced Display Core Processor, ADCP II-C	P40A		-	-	-	-	-	40.864	-	-	35.378	-	-	91.284	-	-	42.681	-	-	210.207
IRST	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	697.017	-	-	697.017
F-15E M-Code GPS	P40A		-	-	3.009	-	-	4.381	-	-	4.536	-	-	4.672	-	-	0.093	-	-	16.691
C/D Flight Data Recorder (FDR)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.285
F-15E Flight Data Recorder (FDR)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.610
AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	P40A		-	-	1.081	-	-	1.107	-	-	1.125	-	-	1.145	-	-	-	-	-	9.636
F-15 A/D DIGITAL VIDEO RECORDER	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.037
F-15E DIGITAL VIDEO RECORDER	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.947
E IFF MODE 5	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	119.435	-	-	160.373
Link 16 Cryptographic Modernization (CMI)	P40A		-	-	5.821	-	-	5.946	-	-	5.964	-	-	6.071	-	-	3.537	-	-	27.339
EPAWSS-E	P40A		-	-	-	-	-	-	-	-	-	-	-	40.994	-	-	1,951.900	-	-	1,992.894
EPAWSS-C/D	P40A		-	-	-	-	-	-	-	-	-	-	-	40.994	-	-	1,657.600	-	-	1,698.594
5th to 4th Gen Gateway	P40A		-	-	-	-	-	12.531	-	-	38.160	-	-	38.845	-	-	92.473	-	-	182.009
1202 - F-15E AESA Radar	P3A		-	-	243.329	-	-	229.651	-	-	221.651	-	-	225.641	-	-	633.415	-	-	2,033.391
6158 - F-15C/D APG-63(V)3 radar upgrade	P3A		-	-	183.622	-	-	165.273	-	-	9.082	-	-	10.665	-	-	-	-	-	1,167.184
8353 - F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM	P3A		-	-	15.929	-	-	-	-	-	-	-	-	-	-	-	-	-	-	106.949
8794 - F-15C/D BLOS	P3A		-	-	9.181	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.474
8797 - F-15C Passive Attack Sensor System	P3A		-	-	3.004	-	-	0.504	-	-	0.704	-	-	-	-	-	-	-	-	28.177
Total Gross/Weapon System Cost					**497.514**			**518.373**			**372.220**			**475.079**			**5,199.551**			**8,689.936**

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0207130F, 0207134F, 0809731F, 0207445F, 0604281F
MDAP/MAIS Code(s):		

*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:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 1202 - F-15E AESA Radar
Models of Systems Affected: F-15E	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207134F

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)*	85.266	99.299	100.000	195.139	-	195.139	243.329	229.651	221.651	225.641	633.415	2,033.391
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	85.266	99.299	100.000	195.139	-	195.139	243.329	229.651	221.651	225.641	633.415	2,033.391
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**85.266**	**99.299**	**100.000**	**195.139**	**-**	**195.139**	**243.329**	**229.651**	**221.651**	**225.641**	**633.415**	**2,033.391**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	12.837	9.772	9.672	12.276	-	12.276	18.096	18.124	18.249	15.112	26.957	141.095
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

F-15E Radar Modernization Program (RMP), designated the APG-82(V)1, replaces the legacy radar using existing technology from other DOD platforms. It solves parts obsolescence problems and provides improved reliability and performance (increased synthetic aperture radar (SAR) range and resolution), including air-to-air and air-to-ground modes. Also provides for future growth. Total aircraft requirement: 219.

This program funded Research Development Test and Evaluation (RDT&E) in PE 0207134F.

Requirements document: F-15E Radar Modernization Progam CDD dated 21 March 2005.

Training costs are included in the Program Management line.

Milestone/Development Status

Milestone C completed 4Q FY11. System Verification Review #2 (SVR 2) and Integrated Operational Test and Evaluation (IOT&E) are planned for 2Q FY13. Full Rate Production Decision (FRPD) planned for 2Q FY14.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 1202 - F-15E AESA Radar
Models of Systems Affected: F-15E	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207134F

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)*
RDT&E PE #												
0207134F	0 / 325.609	- / 33.353	- / 1.351	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 360.313
Procurement												
F-15E AESA Radar												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	6 / 8.134	14 / 18.212	13 / 17.044	22 / 39.504	- / -	22 / 39.504	31 / 57.093	27 / 49.928	26 / 49.605	25 / 48.082	55 / 116.984	219 / 404.586
Subtotal Recurring	*6 / 8.134*	*14 / 18.212*	*13 / 17.044*	*22 / 39.504*	*- / -*	*22 / 39.504*	*31 / 57.093*	*27 / 49.928*	*26 / 49.605*	*25 / 48.082*	*55 / 116.984*	*219 / 404.586*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	6 / 29.863	14 / 60.046	13 / 52.493	22 / 89.842	- / -	22 / 89.842	31 / 124.579	27 / 107.754	26 / 103.874	25 / 106.155	55 / 250.382	219 / 924.988
Subtotal Recurring	*6 / 29.863*	*14 / 60.046*	*13 / 52.493*	*22 / 89.842*	*- / -*	*22 / 89.842*	*31 / 124.579*	*27 / 107.754*	*26 / 103.874*	*25 / 106.155*	*55 / 250.382*	*219 / 924.988*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 36.876	- / 10.200	- / 13.360	- / 6.744	- / -	- / 6.744	- / -	- / 7.868	- / -	- / -	- / 18.996	- / 94.044
Subtotal Non-Recurring	*0 / 36.876*	*- / 10.200*	*- / 13.360*	*- / 6.744*	*- / -*	*- / 6.744*	*- / -*	*- / 7.868*	*- / -*	*- / -*	*- / 18.996*	*- / 94.044*
Secondary Distribution												
AF	6 / 85.266	14 / 99.299	13 / 98.167	22 / 189.439	- / -	22 / 189.439	31 / 233.657	27 / 213.898	26 / 202.273	25 / 205.325	- / -	- / -
Total, F-15E AESA Radar	*6 / 74.873*	*14 / 88.458*	*13 / 82.897*	*22 / 136.090*	*- / -*	*22 / 136.090*	*31 / 181.672*	*27 / 165.550*	*26 / 153.479*	*25 / 154.237*	*55 / 386.362*	*219 / 1,423.618*
Total Procurement, All Modifications	*6 / 74.873*	*14 / 88.458*	*13 / 82.897*	*22 / 136.090*	*- / -*	*22 / 136.090*	*31 / 181.672*	*27 / 165.550*	*26 / 153.479*	*25 / 154.237*	*55 / 386.362*	*219 / 1,423.618*
Support												
CHANGE ORDERS	0 / 0.000	- / 4.364	- / 6.481	- / 11.290	- / -	- / 11.290	- / 10.682	- / 7.661	- / 9.752	- / 10.487	- / 44.062	- / 104.779
DATA	0 / 0.000	- / -	- / -	- / 8.200	- / -	- / 8.200	- / -	- / -	- / -	- / -	- / -	- / 8.200
SUPPORT- EQUIP	0 / 0.582	- / 1.725	- / 0.101	- / 2.871	- / -	- / 2.871	- / 2.410	- / 2.632	- / 2.493	- / 2.728	- / 1.488	- / 17.030
ICS-Labor	0 / 4.308	- / 0.913	- / 2.019	- / 1.979	- / -	- / 1.979	- / 2.457	- / 3.832	- / 4.534	- / 5.354	- / 23.644	- / 49.040
PROGRAM MANAGEMENT	0 / 5.503	- / 3.839	- / 4.633	- / 18.603	- / -	- / 18.603	- / 23.268	- / 21.657	- / 20.021	- / 20.347	- / 52.187	- / 170.058
PMA	0 / 0.000	- / -	- / 2.036	- / 10.406	- / -	- / 10.406	- / 13.168	- / 12.566	- / 11.994	- / 12.172	- / 33.360	- / 95.702
Total Support, All Modifications	*10.393*	*10.841*	*15.270*	*53.349*	*-*	*53.349*	*51.985*	*48.348*	*48.794*	*51.088*	*154.741*	*444.809*
Total Procurement and Support	*85.266*	*99.299*	*98.167*	*189.439*	*-*	*189.439*	*233.657*	*213.898*	*202.273*	*205.325*	*541.103*	*1,868.427*

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature** (*Modification Number - Modification Title*): 1202 - F-15E AESA Radar
Models of Systems Affected: F-15E	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207134F

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)*
F-15E AESA Radar Installation Cost	0 / 0.000	- / -	3 / 1.833	9 / 5.700	- / -	9 / 5.700	15 / 9.672	24 / 15.753	29 / 19.378	28 / 20.316	111 / 92.312	219 / 164.964
Total Installation Cost	*0 / 0.000*	*- / -*	*3 / 1.833*	*9 / 5.700*	*- / -*	*9 / 5.700*	*15 / 9.672*	*24 / 15.753*	*29 / 19.378*	*28 / 20.316*	*111 / 92.312*	*219 / 164.964*
Total Cost (Procurement + Support + Installation)	**85.266**	**99.299**	**100.000**	**195.139**	**-**	**195.139**	**243.329**	**229.651**	**221.651**	**225.641**	**633.415**	**2,033.391**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 1202 - F-15E AESA Radar
Models of Systems Affected: F-15E	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207134F

Manufacturer Information: F-15E AESA Radar

Manufacturer Name: Raytheon	Manufacturer Location: El Segundo CA/Forest MS
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 18

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	May 2012	May 2013	Jan 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018
Delivery Dates	Nov 2013	Nov 2014	Jul 2015	Jul 2016	Jul 2017	Jul 2018	Jul 2019

Installation: F-15E AESA Radar	**Method of Implementation:** Contract Field Team	**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 / 1.833	3 / 1.901	- / -	3 / 1.901	- / -	- / -	- / -	- / -	0 / 0.000	6 / 3.734
Secondary Distribution - Air Force Active	- / -	- / -	3 / 1.833	3 / 1.901	- / -	3 / 1.901	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	6 / 3.799	- / -	6 / 3.799	8 / 5.158	- / -	- / -	- / -	- / -	14 / 8.957
Secondary Distribution - Air Force Active	- / -	- / -	- / -	6 / 3.799	- / -	6 / 3.799	8 / 5.158	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	7 / 4.514	6 / 3.938	- / -	- / -	- / -	13 / 8.452
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	7 / 4.514	6 / 3.938	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 11.815	4 / 2.673	- / -	- / -	22 / 14.488
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 11.815	4 / 2.673	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 16.705	6 / 4.353	- / -	31 / 21.058
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 16.705	6 / 4.353	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 15.963	5 / 4.016	27 / 19.979
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 15.963	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 20.940	26 / 20.940
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 20.563	25 / 20.563
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 46.793	55 / 46.793
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	3 / 1.833	9 / 5.700	- / -	9 / 5.700	15 / 9.672	24 / 15.753	29 / 19.378	28 / 20.316	111 / 92.312	219 / 164.964
Secondary Distribution - Air Force Active	- / -	- / -	3 / 1.833	9 / 5.700	- / -	9 / 5.700	15 / 9.672	24 / 15.753	29 / 19.378	28 / 20.316	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 1202 - F-15E AESA Radar
Models of Systems Affected: F-15E	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207134F

Installation: F-15E AESA Radar	Method of Implementation: Contract Field Team	Installation Name:

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	0	-	-	-	-	-	-	-	3	-	2	4	3	4	4	4	3	4	7	7	6	7	8	7	7	7	7	7	7	111	219
Out	0	-	-	-	-	-	-	-	-	3	-	2	4	3	4	4	4	3	4	7	7	6	7	8	7	7	7	7	7	118	219

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 6158 - F-15C/D APG-63(V)3 radar upgrade
Models of Systems Affected: F-15C/D	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207130F

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)*	576.448	92.991	15.956	113.147	-	113.147	183.622	165.273	9.082	10.665	-	1,167.184
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	576.448	92.991	15.956	113.147	-	113.147	183.622	165.273	9.082	10.665	-	1,167.184
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**576.448**	**92.991**	**15.956**	**113.147**	**-**	**113.147**	**183.622**	**165.273**	**9.082**	**10.665**	**-**	**1,167.184**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	25.331	-	3.040	2.128	-	2.128	1.000	-	-	-	-	31.499
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 APG-63(V)3 radar upgrade replaces the mechanically-scanned antenna on F-15C/D APG-63(V)1 radar with an active electronically-scanned array (AESA)antenna; replaces the power supply, and upgrades the environmental control system to provide improved reliability and performance. The baseline for the (V)3 program is the APG-63(V)1 configured aircraft.

Other avionics which support radar functionality may also be upgraded.

INSTALLATION OF HARDWARE: Upgrade kits funded by the Air Force reflect the separate cost to install the kit in the year of installation. The installation cost for kits funded with congressional adds or GWOT/OCO funding is included in the Group A/B kit cost in the procurement year.

Requirements document: F-15C/D Radar Improvement Program CDD dated 21 April 2005.

Training costs are included in the Program Management line.

Milestone/Development Status

Development is complete.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 6158 - F-15C/D APG-63(V)3 radar upgrade
Models of Systems Affected: F-15C/D	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207130F

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)*
RDT&E PE #												
0207130F	0 / 65.272	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 65.272
Procurement												
F-15C/D APG-63(V)3 radar upgrade												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	46 / 33.582	5 / 2.776	2 / 2.003	7 / 7.108	- / -	7 / 7.108	12 / 12.303	6 / 6.218	- / -	- / -	- / -	78 / 63.990
INSTALL KITS Group A (Guard)	34 / 23.610	8 / 4.605	- / -	9 / 9.139	- / -	9 / 9.139	15 / 15.378	12 / 12.436	- / -	- / -	- / -	78 / 65.168
INSTALL KITS Group A (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*80 / 57.192*	*13 / 7.381*	*2 / 2.003*	*16 / 16.247*	*- / -*	*16 / 16.247*	*27 / 27.681*	*18 / 18.654*	*- / -*	*- / -*	*- / -*	*156 / 129.158*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 3.215	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.215
KITS NONRECUR Group A (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 3.215*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 3.215*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	46 / 214.750	5 / 22.460	2 / 9.356	7 / 33.124	- / -	7 / 33.124	12 / 57.092	6 / 28.751	- / -	- / -	- / -	78 / 365.533
EQUIPMENT Group B (Guard)	34 / 169.774	8 / 37.255	- / -	9 / 42.588	- / -	9 / 42.588	15 / 71.364	12 / 57.503	- / -	- / -	- / -	78 / 378.484
Subtotal Recurring	*80 / 384.524*	*13 / 59.715*	*2 / 9.356*	*16 / 75.712*	*- / -*	*16 / 75.712*	*27 / 128.456*	*18 / 86.254*	*- / -*	*- / -*	*- / -*	*156 / 744.017*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 66.739	- / 7.972	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 74.711
EQUIP NONREC Group B (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 66.739*	*- / 7.972*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 74.711*
Secondary Distribution												
AF	46 / 383.064	5 / 51.131	2 / 13.876	7 / 57.115	- / -	7 / 57.115	12 / 96.880	6 / 85.080	- / 2.534	- / 1.255	- / -	- / -
AFNG	34 / 193.384	8 / 41.860	- / -	9 / 51.727	- / -	9 / 51.727	15 / 86.742	12 / 69.939	- / -	- / -	- / -	- / -
Total, F-15C/D APG-63(V)3 radar upgrade	*80 / 511.670*	*13 / 75.068*	*2 / 11.359*	*16 / 91.959*	*- / -*	*16 / 91.959*	*27 / 156.137*	*18 / 104.908*	*- / -*	*- / -*	*- / -*	*156 / 951.101*
Total Procurement, All Modifications	*80 / 511.670*	*13 / 75.068*	*2 / 11.359*	*16 / 91.959*	*- / -*	*16 / 91.959*	*27 / 156.137*	*18 / 104.908*	*- / -*	*- / -*	*- / -*	*156 / 951.101*
Support												
CHANGE ORDERS	0 / 0.000	- / -	- / -	- / 4.032	- / -	- / 4.032	- / 6.641	- / 34.737	- / 1.661	- / -	- / -	- / 47.071

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 6158 - F-15C/D APG-63(V)3 radar upgrade
Models of Systems Affected: F-15C/D	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207130F

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)*
DATA	0 / 5.655	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.655
SUPPORT- EQUIP	0 / 1.279	- / -	- / 0.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.284
PROGRAM MANAGEMENT	0 / 19.973	- / 8.713	- / 1.356	- / 7.075	- / -	- / 7.075	- / 11.476	- / 8.464	- / 0.481	- / 0.692	- / -	- / 58.230
ICS-Labor	0 / 11.866	- / 2.740	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.606
PMA	0 / 0.033	- / 1.459	- / 1.156	- / 5.776	- / -	- / 5.776	- / 9.368	- / 6.910	- / 0.392	- / 0.563	- / -	- / 25.657
OTHER GOVT	0 / 8.419	- / 5.011	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.430
GFP	0 / 1.493	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.493
Install Spares	7 / 16.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 16.060
Total Support, All Modifications	*64.778*	*17.923*	*2.517*	*16.883*	*-*	*16.883*	*27.485*	*50.111*	*2.534*	*1.255*	*-*	*183.486*
Total Procurement and Support	*576.448*	*92.991*	*13.876*	*108.842*	*-*	*108.842*	*183.622*	*155.019*	*2.534*	*1.255*	*-*	*1,134.587*
F-15C/D APG-63(V)3 radar upgrade Installation Cost	25 / 0.000	6 / -	23 / 2.080	12 / 4.305	- / -	12 / 4.305	22 / -	27 / 10.254	17 / 6.548	24 / 9.410	- / -	156 / 32.597
Total Installation Cost	*25 / 0.000*	*6 / -*	*23 / 2.080*	*12 / 4.305*	*- / -*	*12 / 4.305*	*22 / -*	*27 / 10.254*	*17 / 6.548*	*24 / 9.410*	*- / -*	*156 / 32.597*
Total Cost (Procurement + Support + Installation)	**576.448**	**92.991**	**15.956**	**113.147**	**-**	**113.147**	**183.622**	**165.273**	**9.082**	**10.665**	**-**	**1,167.184**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 6158 - F-15C/D APG-63(V)3 radar upgrade

Models of Systems Affected: F-15C/D	Type Modification: Capability Improvement	Related RDT&E PEs: 0207130F

Manufacturer Information: F-15C/D APG-63(V)3 radar upgrade

Manufacturer Name: Raytheon	Manufacturer Location: El Segundo CA/Forest MS
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 18

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

Installation: F-15C/D APG-63(V)3 radar upgrade	Method of Implementation: Contract Field Team	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	5 / 0.000	23 / 2.080	6 / 2.870	- / -	6 / 2.870	8 / 0.000	- / -	- / -	- / -	0 / 0.000	66 / 4.950
Secondary Distribution - Air Force Active	10 / 0.000	5 / 0.000	15 / 2.080	4 / 2.870	- / -	4 / 2.870	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	14 / 0.000	- / -	8 / 0.000	2 / 0.000	- / -	2 / 0.000	8 / 0.000	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / 1.435	- / -	- / 1.435	5 / -	5 / 0.992	- / -	- / -	- / -	10 / 2.427
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / 1.435	- / -	- / 1.435	- / -	2 / 0.992	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	5 / -	3 / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.992	- / -	- / -	- / -	2 / 0.992
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.992	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 6.379	1 / 0.385	- / -	- / -	16 / 6.764
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.975	1 / 0.385	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 3.404	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.891	14 / 5.393	8 / 3.136	- / -	27 / 10.420
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.543	8 / 3.136	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.891	10 / 3.850	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.770	16 / 6.274	- / -	18 / 7.044
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.354	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.770	10 / 3.920	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 6158 - F-15C/D APG-63(V)3 radar upgrade
Models of Systems Affected: F-15C/D	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207130F

Installation: F-15C/D APG-63(V)3 radar upgrade | **Method of Implementation:** Contract Field Team | **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)*
Secondary Distribution - Air National Guard	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	24 / 0.000	5 / -	23 / 2.080	6 / 4.305	- / -	6 / 4.305	13 / -	27 / 10.254	17 / 6.548	24 / 9.410	- / -	139 / 32.597
Secondary Distribution - Air Force Active	10 / 0.000	5 / -	15 / 2.080	4 / 4.305	- / -	4 / 4.305	- / -	10 / 4.959	5 / 1.928	14 / 5.490	- / -	- / -
Secondary Distribution - Air National Guard	14 / 0.000	- / -	8 / -	2 / -	- / -	2 / -	13 / -	17 / 5.295	12 / 4.620	10 / 3.920	- / -	- / -

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	25	-	-	-	6	7	6	6	4	4	3	2	3	5	5	6	6	6	6	8	7	4	4	4	5	7	7	5	5	-	156
Out	25	-	-	-	5	7	6	6	4	4	3	2	3	4	6	5	6	5	5	5	7	6	5	3	4	7	7	7	4	5	156

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 8353 - F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM
Models of Systems Affected: F15E	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207134F

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)*	65.686	-	4.164	21.170	-	21.170	15.929	-	-	-	-	106.949
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	65.686	-	4.164	21.170	-	21.170	15.929	-	-	-	-	106.949
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**65.686**	**-**	**4.164**	**21.170**	**-**	**21.170**	**15.929**	**-**	**-**	**-**	**-**	**106.949**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Procures and installs Joint Helmet Mounted Cueing System (JHMCS) systems on the F-15E. This system adds high off-boresight cueing of weapons and sensors in the air-to-air and air-to-ground missions. For the air-to-ground mission, JHMCS improves an aircrew's ability to rapidly employ sensors and weapons against time sensitive off-boresight targets, minimizes F-15E aircrew exposure to ground threats, and enhances situational awareness. For the air-to-air mission, JHMCS increases F-15E situational awareness, survivablilty and lethality in engagements. Without this system, F-15E sensors limit an aircrew's ability to rapidly employ air-to-ground munitions and expose F-15 aircrew to "nose-on" ground threats. In addition, the F-15E cannot effectively employ high off-boresight weapons in the air-to-air environment, severely affecting F-15E survivablility against the current threat.

Milestone/Development Status

F-15E front cockpit installation is identical to the single seat F-15C, therefore no development was required. The necessary software integration and testing, as well as procurement and installation of 7 JHMCS test assets, were funded by the OFP Suite 6E development program. F-15E rear cockpit installation requires separate development and has not yet been scheduled.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 8353 - F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM
Models of Systems Affected: F15E	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207134F

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)*
RDT&E PE #												
0207134F	7 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / -
Procurement												
F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	169 / 9.073	- / -	10 / 0.500	35 / 1.752	- / -	35 / 1.752	- / -	- / -	- / -	- / -	- / -	214 / 11.325
Subtotal Recurring	*169 / 9.073*	*- / -*	*10 / 0.500*	*35 / 1.752*	*- / -*	*35 / 1.752*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*214 / 11.325*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	169 / 25.001	- / -	10 / 2.293	35 / 6.853	- / -	35 / 6.853	- / -	- / -	- / -	- / -	- / -	214 / 34.147
Subtotal Recurring	*169 / 25.001*	*- / -*	*10 / 2.293*	*35 / 6.853*	*- / -*	*35 / 6.853*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*214 / 34.147*
Secondary Distribution												
AF	169 / 64.361	- / -	10 / 4.164	35 / 21.170	- / -	35 / 21.170	- / 12.857	- / -	- / -	- / -	- / -	- / -
Total, F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM	*169 / 34.074*	*- / -*	*10 / 2.793*	*35 / 8.605*	*- / -*	*35 / 8.605*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*214 / 45.472*
Total Procurement, All Modifications	*169 / 34.074*	*- / -*	*10 / 2.793*	*35 / 8.605*	*- / -*	*35 / 8.605*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*214 / 45.472*
Support												
CHANGE ORDERS	0 / 0.709	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.709
SUPPORT- EQUIP	0 / 4.124	- / -	- / -	- / 1.600	- / -	- / 1.600	- / -	- / -	- / -	- / -	- / -	- / 5.724
OTHER GOVT	0 / 0.000	- / -	- / 0.154	- / 2.833	- / -	- / 2.833	- / 10.593	- / -	- / -	- / -	- / -	- / 13.580
PMA - Other Gov't Costs	0 / 25.454	- / -	- / -	- / 0.030	- / -	- / 0.030	- / 0.030	- / -	- / -	- / -	- / -	- / 25.514
ICS-Material	0 / 0.000	- / -	- / 1.217	- / 8.102	- / -	- / 8.102	- / 2.234	- / -	- / -	- / -	- / -	- / 11.553
Total Support, All Modifications	*30.287*	*-*	*1.371*	*12.565*	*-*	*12.565*	*12.857*	*-*	*-*	*-*	*-*	*57.080*
Total Procurement and Support	*64.361*	*-*	*4.164*	*21.170*	*-*	*21.170*	*12.857*	*-*	*-*	*-*	*-*	*102.552*
F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM Installation Cost	153 / 1.325	10 / -	6 / -	- / -	- / -	- / -	45 / 3.072	- / -	- / -	- / -	- / -	214 / 4.397
Total Installation Cost	*153 / 1.325*	*10 / -*	*6 / -*	*- / -*	*- / -*	*- / -*	*45 / 3.072*	*- / -*	*- / -*	*- / -*	*- / -*	*214 / 4.397*

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 8353 - F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM
Models of Systems Affected: F15E	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207134F

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)	**65.686**	**-**	**4.164**	**21.170**	**-**	**21.170**	**15.929**	**-**	**-**	**-**	**-**	**106.949**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 8353 - F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM

Models of Systems Affected: F15E	Type Modification: Reliablity & Maintainability	Related RDT&E PEs: 0207134F

Manufacturer Information: F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM

Manufacturer Name: VSI	Manufacturer Location: Portland, OR
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		Nov 2013	Nov 2013				
Delivery Dates		Nov 2014	Nov 2014				

Installation: F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM	Method of Implementation: Contract Field Team	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 / 1.325	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	0 / 1.325
Secondary Distribution - Air Force Active	0 / 1.325	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.217	- / -	- / -	- / -	- / -	10 / 1.217
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.217	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	35 / 1.855	- / -	- / -	- / -	- / -	35 / 1.855
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	35 / 1.855	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 1.325	- / -	- / -	- / -	- / -	- / -	45 / 3.072	- / -	- / -	- / -	- / -	45 / 4.397
Secondary Distribution - Air Force Active	0 / 1.325	- / -	- / -	- / -	- / -	- / -	45 / 3.072	- / -	- / -	- / -	- / -	- / -

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	153	4	2	-	4	4	2	-	-	-	-	-	-	10	10	10	15	-	-	-	-	-	-	-	-	-	-	-	-	-	214
Out	153	4	2	-	4	4	2	-	-	-	-	-	-	10	10	10	15	-	-	-	-	-	-	-	-	-	-	-	-	-	214

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 8794 - F-15C/D BLOS
Models of Systems Affected: F-15C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207130F

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)*	-	21.747	11.320	12.226	-	12.226	9.181	-	-	-	-	54.474
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	21.747	11.320	12.226	-	12.226	9.181	-	-	-	-	54.474
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**21.747**	**11.320**	**12.226**	**-**	**12.226**	**9.181**	**-**	**-**	**-**	**-**	**54.474**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	1.083	-	1.083	2.529	-	-	-	-	3.612
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 Air Force has a Beyond Line of Sight (BLOS) requirement for combat and Homeland Defense (HD) missions supported by a NORAD-USNORTHCOM Joint Urgent Operational Need (JUON) dated 5 October 2007 for BLOS clear and secure voice. BLOS communications will be procured for all F-15C/D aircraft; installation priority will be given to aircraft assigned the Air Sovereignty Alert mission. Ultra High Frequency (UHF) Satellite Communications (SATCOM) is the near term threshold requirement and the longer term threshold requirement is for broad band Mobile User Objective System (MUOS) SATCOM. The near term solution will include an upgrade path to MUOS with the option for integrated waveform (IW) as an interim upgrade.

This program has two increments. Increment 1 provides an immediate capability that is not fully integrated and forces the pilot to look inside the cockpit to control the radio. Increment 2 fully integrates the system by modifying the radio control panel to allow the pilot to change frequencies without looking inside the cockpit.

The Air National Guard (ANG) separately procurred and installed Increment 1 on 105 ANG aircraft. This Air Force program procures and installs Increment 1 on the remaining 25 ANG aircraft and all 119 active aircraft. The program also procures 249 (130 ANG and 119 active) Increment 2 Group B kits being developed by the associated $6.550 million RDT&E. Installation of Increment 2 Group B kits will be performed by organizational level personnel.

This program has associated Research Development Test and Evaluation (RDT&E) in PE 0207134F.

Milestone/Development Status

The associated RDT&E $6.550 million develops the cockpit radio control panel modification that allow the pilot to control the radio without looking in the cockpit. Funds will be obligated in 4QFY13. Prototype development will occur between October 2013 and April 2014.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 8794 - F-15C/D BLOS
Models of Systems Affected: F-15C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207130F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 8794 - F-15C/D BLOS
Models of Systems Affected: F-15C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207130F

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)*
RDT&E PE #												
0207130F	0 / 0.000	- / 6.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.550
Procurement												
F-15C/D BLOS												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	25 / 0.280	50 / 0.370	44 / 0.290	- / -	44 / 0.290	- / -	- / -	- / -	- / -	- / -	119 / 0.940
INSTALL KITS Group A (Guard)	0 / 0.000	25 / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 0.200
Subtotal Recurring	*0 / 0.000*	*50 / 0.480*	*50 / 0.370*	*44 / 0.290*	*- / -*	*44 / 0.290*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*144 / 1.140*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	25 / 6.930	50 / 6.000	44 / 7.860	- / -	44 / 7.860	- / -	- / -	- / -	- / -	- / -	119 / 20.790
EQUIPMENT Group B (Guard)	0 / 0.000	25 / 9.610	- / -	50 / 1.560	- / -	50 / 1.560	55 / 5.904	- / -	- / -	- / -	- / -	130 / 17.074
Subtotal Recurring	*0 / 0.000*	*50 / 16.540*	*50 / 6.000*	*94 / 9.420*	*- / -*	*94 / 9.420*	*55 / 5.904*	*- / -*	*- / -*	*- / -*	*- / -*	*249 / 37.864*
Secondary Distribution												
AF	0 / 0.000	25 / 11.937	50 / 8.090	44 / 8.464	- / -	44 / 8.464	- / 0.998	- / -	- / -	- / -	- / -	- / -
AFNG	0 / 0.000	25 / 9.810	- / -	- / 1.560	- / -	- / 1.560	- / 5.904	- / -	- / -	- / -	- / -	- / -
Total, F-15C/D BLOS	*0 / 0.000*	*50 / 17.020*	*50 / 6.370*	*44 / 9.710*	*- / -*	*44 / 9.710*	*- / 5.904*	*- / -*	*- / -*	*- / -*	*- / -*	*144 / 39.004*
Total Procurement, All Modifications	*0 / 0.000*	*50 / 17.020*	*50 / 6.370*	*44 / 9.710*	*- / -*	*44 / 9.710*	*- / 5.904*	*- / -*	*- / -*	*- / -*	*- / -*	*144 / 39.004*
Support												
CHANGE ORDERS	0 / 0.000	- / 0.601	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.601
DATA	0 / 0.000	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.000
SIM/TRAINER	0 / 0.000	- / 0.310	- / 0.934	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.244
SUPPORT- EQUIP	0 / 0.000	- / 0.270	- / -	- / -	- / -	- / -	- / 0.691	- / -	- / -	- / -	- / -	- / 0.961
PMA	0 / 0.000	- / 0.010	- / 0.010	- / 0.010	- / -	- / 0.010	- / 0.010	- / -	- / -	- / -	- / -	- / 0.040
PMA - Contractor Services	0 / 0.000	- / 0.715	- / 0.358	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.073
OTHER GOVT	0 / 0.000	- / 0.821	- / 0.418	- / 0.304	- / -	- / 0.304	- / 0.297	- / -	- / -	- / -	- / -	- / 1.840
Total Support, All Modifications	*0.000*	*4.727*	*1.720*	*0.314*	*-*	*0.314*	*0.998*	*-*	*-*	*-*	*-*	*7.759*
Total Procurement and Support	*0.000*	*21.747*	*8.090*	*10.024*	*-*	*10.024*	*6.902*	*-*	*-*	*-*	*-*	*46.763*
F-15C/D BLOS Installation Cost	0 / 0.000	- / -	50 / 3.230	50 / 2.202	- / -	50 / 2.202	44 / 2.279	- / -	- / -	- / -	- / -	144 / 7.711
Total Installation Cost	*0 / 0.000*	*- / -*	*50 / 3.230*	*50 / 2.202*	*- / -*	*50 / 2.202*	*44 / 2.279*	*- / -*	*- / -*	*- / -*	*- / -*	*144 / 7.711*

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 8794 - F-15C/D BLOS
Models of Systems Affected: F-15C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207130F

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)	**0.000**	**21.747**	**11.320**	**12.226**	**-**	**12.226**	**9.181**	**-**	**-**	**-**	**-**	**54.474**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature** (*Modification Number - Modification Title*): 8794 - F-15C/D BLOS
Models of Systems Affected: F-15C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207130F

Manufacturer Information: F-15C/D BLOS

Manufacturer Name: Rockwell Collins	Manufacturer Location: Cedar Rapids, IA
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	Jun 2012	Feb 2013	Feb 2014				
Delivery Dates	Jun 2013	Feb 2014	Feb 2015				

Installation: F-15C/D BLOS	**Method of Implementation:** Combination	**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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	50 / 3.230	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 3.230
Secondary Distribution - Air Force Active	- / -	- / -	25 / 1.905	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	25 / 1.325	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	50 / 2.202	- / -	50 / 2.202	- / -	- / -	- / -	- / -	- / -	50 / 2.202
Secondary Distribution - Air Force Active	- / -	- / -	- / -	50 / 2.202	- / -	50 / 2.202	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	44 / 2.279	- / -	- / -	- / -	- / -	44 / 2.279
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	44 / 2.279	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	50 / 3.230	50 / 2.202	- / -	50 / 2.202	44 / 2.279	- / -	- / -	- / -	- / -	144 / 7.711
Secondary Distribution - Air Force Active	- / -	- / -	25 / 1.905	50 / 2.202	- / -	50 / 2.202	44 / 2.279	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	25 / 1.325	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature** (*Modification Number - Modification Title*): 8794 - F-15C/D BLOS
Models of Systems Affected: F-15C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207130F

Installation: F-15C/D BLOS	**Method of Implementation:** Combination	**Installation Name:**

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	0	-	-	-	-	-	-	25	25	13	13	12	12	11	11	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	144
Out	0	-	-	-	-	-	-	25	25	13	13	12	12	11	11	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	144

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 8797 - F-15C Passive Attack Sensor System
Models of Systems Affected: F-15 C/D	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207130F

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)*	10.465	-	8.000	5.500	-	5.500	3.004	0.504	0.704	-	-	28.177
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	10.465	-	8.000	5.500	-	5.500	3.004	0.504	0.704	-	-	28.177
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**10.465**	**-**	**8.000**	**5.500**	**-**	**5.500**	**3.004**	**0.504**	**0.704**	**-**	**-**	**28.177**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Passive Attack Sensor System (PASS) provides long range and night visual identification in contested and non contested airspace. The program integrates the Sniper Advanced Tareting Pod (ATP) on the F-15C to provide visual identification using the Sniper pod's infrared spectrum capbilities.

This program leverages a capability developed by the Air National Guard (ANG) for the F-15C/D Air Sovereignty Alert (ASA) mission. The ANG Air Force Reserve Command Test Center (AATC) conducted an F-15C Sniper ATP Operational Utility Evaluation (OUE) in 2011. The test missions successfully demonstrated operational compatibility, suitability, and effectiveness of the Sniper ATP on the F-15C.

Because of a PACOM Urgent Warfighter Requirement, $10.465M FY 2011 APAF was reprogrammed in the 2012 Omnibus with FY 2011 new start approval.

Milestone/Development Status

N/A

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 8797 - F-15C Passive Attack Sensor System
Models of Systems Affected: F-15 C/D	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207130F

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												
F-15C Passive Attack Sensor System												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	54 / 0.756	- / -	65 / 0.910	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	119 / 1.666
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	2 / 0.028	23 / 0.322	- / -	23 / 0.322	- / -	- / -	- / -	- / -	- / -	25 / 0.350
Subtotal Recurring	*54 / 0.756*	*- / -*	*67 / 0.938*	*23 / 0.322*	*- / -*	*23 / 0.322*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*144 / 2.016*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
KITS NONRECUR Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	54 / 5.885	- / -	65 / 5.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	119 / 11.735
EQUIPMENT Group B (Guard)	0 / 0.000	- / -	2 / 0.180	23 / 2.070	- / -	23 / 2.070	- / -	- / -	- / -	- / -	- / -	25 / 2.250
Subtotal Recurring	*54 / 5.885*	*- / -*	*67 / 6.030*	*23 / 2.070*	*- / -*	*23 / 2.070*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*144 / 13.985*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
EQUIP NONREC Group B (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Secondary Distribution												
AF	54 / 10.465	- / -	65 / 7.792	- / 2.708	- / -	- / 2.708	- / 2.204	- / 0.079	- / 0.704	- / -	- / -	- / -
AFNG	0 / 0.000	- / -	2 / 0.208	23 / 2.392	- / -	23 / 2.392	- / -	- / -	- / -	- / -	- / -	- / -
Total, F-15C Passive Attack Sensor System	*54 / 6.641*	*- / -*	*67 / 6.968*	*23 / 2.392*	*- / -*	*23 / 2.392*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*144 / 16.001*
Total Procurement, All Modifications	*54 / 6.641*	*- / -*	*67 / 6.968*	*23 / 2.392*	*- / -*	*23 / 2.392*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*144 / 16.001*
Support												
DATA	0 / 0.000	- / -	- / -	- / 0.200	- / -	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / 0.200
SIM/TRAINER	0 / 3.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.000
SUPPORT- EQUIP	0 / 0.540	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.540
ICS-Labor	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.232	- / 0.029	- / 0.400	- / -	- / -	- / 0.661

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 8797 - F-15C Passive Attack Sensor System
Models of Systems Affected: F-15 C/D	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207130F

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)*
Depot Stand-up	0 / 0.284	- / -	- / 0.972	- / 2.348	- / -	- / 2.348	- / 1.722	- / -	- / -	- / -	- / -	- / 5.326
OTHER GOVT	0 / 0.000	- / -	- / -	- / 0.130	- / -	- / 0.130	- / 0.230	- / 0.040	- / 0.294	- / -	- / -	- / 0.694
PMA	0 / 0.000	- / -	- / 0.060	- / 0.030	- / -	- / 0.030	- / 0.020	- / 0.010	- / 0.010	- / -	- / -	- / 0.130
Total Support, All Modifications	*3.824*	-	*1.032*	*2.708*	-	*2.708*	*2.204*	*0.079*	*0.704*	-	-	*10.551*
Total Procurement and Support	*10.465*	-	*8.000*	*5.100*	-	*5.100*	*2.204*	*0.079*	*0.704*	-	-	*26.552*
F-15C Passive Attack Sensor System Installation Cost	0 / 0.000	- / -	- / -	36 / 0.400	- / -	36 / 0.400	71 / 0.800	37 / 0.425	- / -	- / -	- / -	144 / 1.625
Total Installation Cost	*0 / 0.000*	- / -	- / -	*36 / 0.400*	- / -	*36 / 0.400*	*71 / 0.800*	*37 / 0.425*	- / -	- / -	- / -	*144 / 1.625*
Total Cost (Procurement + Support + Installation)	**10.465**	-	**8.000**	**5.500**	-	**5.500**	**3.004**	**0.504**	**0.704**	-	-	**28.177**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 8797 - F-15C Passive Attack Sensor System
Models of Systems Affected: F-15 C/D	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207130F

Manufacturer Information: F-15C Passive Attack Sensor System

Manufacturer Name: Multiple	Manufacturer Location: Robins AFB
Administrative Leadtime *(in Months)*: 1	Production Leadtime *(in Months)*: 5

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

Installation: F-15C Passive Attack Sensor System	Method of Implementation: Contract Field Team	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	- / -	- / -	- / -	36 / 0.400	- / -	36 / 0.400	18 / 0.200	- / -	- / -	- / -	0 / 0.000	54 / 0.600
Secondary Distribution - Air Force Active	- / -	- / -	- / -	36 / 0.400	- / -	36 / 0.400	18 / 0.200	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	53 / 0.600	14 / 0.172	- / -	- / -	- / -	67 / 0.772
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	53 / 0.600	12 / 0.150	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.022	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 0.253	- / -	- / -	- / -	23 / 0.253
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 0.253	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	36 / 0.400	- / -	36 / 0.400	71 / 0.800	37 / 0.425	- / -	- / -	- / -	144 / 1.625
Secondary Distribution - Air Force Active	- / -	- / -	- / -	36 / 0.400	- / -	36 / 0.400	71 / 0.800	12 / 0.150	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 0.275	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01500 - F-15	**Modification Nomenclature (*Modification Number - Modification Title*):** 8797 - F-15C Passive Attack Sensor System
Models of Systems Affected: F-15 C/D	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207130F

Installation: F-15C Passive Attack Sensor System	**Method of Implementation:** Contract Field Team	**Installation Name:**

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	0	-	-	-	-	-	-	-	-	-	12	12	12	18	15	19	19	14	17	6	-	-	-	-	-	-	-	-	-	-	144
Out	0	-	-	-	-	-	-	-	-	-	12	12	12	18	15	19	19	14	17	6	-	-	-	-	-	-	-	-	-	-	144

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01600 - F-16

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207133F, 0207445F, 0809731F

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)*	1,039.055	56.746	6.896	11.794	-	11.794	20.137	14.143	27.919	248.639	1,958.553	3,383.882
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1,039.055	56.746	6.896	11.794	-	11.794	20.137	14.143	27.919	248.639	1,958.553	3,383.882
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,039.055**	**56.746**	**6.896**	**11.794**	**-**	**11.794**	**20.137**	**14.143**	**27.919**	**248.639**	**1,958.553**	**3,383.882**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 F-16 is a multi-role fighter capable of employing a wide variety of nuclear and conventional weapons and missiles in both the air-to-surface and air-to-air mission areas. The specific modifications budgeted and programmed are below.

Funding for the exhibit contained in PE 0207133F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	42.959	5.180	11.166	-	11.166	18.296	12.459	26.425	208.046
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	12.699	1.677	0.604	-	0.604	1.841	1.684	1.494	40.593
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.088	0.039	0.024	-	0.024	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Nomenclature:
F01600 - F-16

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207133F, 0207445F, 0809731F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
MMC Upgrade 7000A	P40A		-	-	136.990	-	-	0.120	-	-	-	-	-	-	-	-	-	-	-	-
FALCON STAR	P40A		-	-	393.716	-	-	23.841	-	-	3.755	-	-	2.940	-	-	-	-	-	2.940
F-16 LEGACY STRUCTURAL SLEP	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EMBEDDED GPS/INS (EGI)	P40A		-	-	59.609	-	-	8.695	-	-	-	-	-	-	-	-	-	-	-	-
MODE S IDENTIFICATION	P40A		-	-	51.544	-	-	3.524	-	-	-	-	-	-	-	-	-	-	-	-
BLK 40/50 SECURE LINE OF SIGHT RADIO	P40A		-	-	79.248	-	-	0.843	-	-	0.301	-	-	-	-	-	-	-	-	-
BLK 40/50 BEYOND LINE OF SIGHT RADIO	P40A		-	-	80.086	-	-	2.274	-	-	-	-	-	-	-	-	-	-	-	-
BLK 30 SECURE LINE OF SIGHT RADIO	P40A		-	-	24.749	-	-	0.238	-	-	-	-	-	-	-	-	-	-	-	-
BLK 30 BEYOND LINE OF SIGHT RADIO	P40A		-	-	32.022	-	-	1.853	-	-	-	-	-	-	-	-	-	-	-	-
DIGITAL FLIGHT CONTROL COMPUTER	P40A		-	-	5.216	-	-	1.267	-	-	0.069	-	-	2.254	-	-	-	-	-	2.254
ADVANCED DATA TRANSFER EQUIPMENT	P40A		-	-	36.100	-	-	2.850	-	-	-	-	-	0.100	-	-	-	-	-	0.100
ON BOARD OXYGEN GENERATION SYSTEM (OBOGS)	P40A		-	-	42.642	-	-	4.389	-	-	1.274	-	-	-	-	-	-	-	-	-
Situational Awareness Data Link (SADL)	P40A		-	-	0.711	-	-	1.400	-	-	-	-	-	-	-	-	-	-	-	-
Link 16 Crypto	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COMBAT AVIONICS PROGRAM EXTENSION SUITE	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	P40A		-	-	15.482	-	-	0.746	-	-	0.060	-	-	0.379	-	-	-	-	-	0.379
F-110 Engine Fire Seal Mod	P40A		-	-	0.000	-	-	1.145	-	-	0.751	-	-	0.671	-	-	-	-	-	0.671
8662 - AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	P3A		-	-	80.940	-	-	3.561	-	-	0.686	-	-	5.450	-	-	-	-	-	5.450
Total Gross/Weapon System Cost					**1,039.055**			**56.746**			**6.896**			**11.794**			**-**			**11.794**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
MMC Upgrade 7000A	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	137.110

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Nomenclature:
F01600 - F-16

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207133F, 0207445F, 0809731F

MDAP/MAIS Code(s):

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
FALCON STAR	P40A		-	-	1.294	-	-	-	-	-	-	-	-	-	-	-	-	-	-	425.546
F-16 LEGACY STRUCTURAL SLEP	P40A		-	-	-	-	-	-	-	-	15.084	-	-	94.252	-	-	531.440	-	-	640.776
EMBEDDED GPS/INS (EGI)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68.304
MODE S IDENTIFICATION	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.068
BLK 40/50 SECURE LINE OF SIGHT RADIO	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80.392
BLK 40/50 BEYOND LINE OF SIGHT RADIO	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82.360
BLK 30 SECURE LINE OF SIGHT RADIO	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.987
BLK 30 BEYOND LINE OF SIGHT RADIO	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.875
DIGITAL FLIGHT CONTROL COMPUTER	P40A		-	-	1.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.806
ADVANCED DATA TRANSFER EQUIPMENT	P40A		-	-	2.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.050
ON BOARD OXYGEN GENERATION SYSTEM (OBOGS)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.305
Situational Awareness Data Link (SADL)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.111
Link 16 Crypto	P40A		-	-	7.682	-	-	7.373	-	-	7.516	-	-	7.651	-	-	-	-	-	30.222
COMBAT AVIONICS PROGRAM EXTENSION SUITE	P40A		-	-	-	-	-	-	-	-	-	-	-	141.321	-	-	1,427.113	-	-	1,568.434
LOW COST MODIFICATIONS	P40A		-	-	2.000	-	-	1.536	-	-	-	-	-	-	-	-	-	-	-	20.203
F-110 Engine Fire Seal Mod	P40A		-	-	0.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.617
8662 - AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	P3A		-	-	6.111	-	-	5.234	-	-	5.319	-	-	5.415	-	-	-	-	-	112.716
Total Gross/Weapon System Cost					**20.137**			**14.143**			**27.919**			**248.639**			**1,958.553**			**3,383.882**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01600 - F-16	**Modification Nomenclature (*Modification Number - Modification Title*):** 8662 - AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS
Models of Systems Affected: F-16	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0809731F

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)*	80.940	3.561	0.686	5.450	-	5.450	6.111	5.234	5.319	5.415	-	112.716
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	80.940	3.561	0.686	5.450	-	5.450	6.111	5.234	5.319	5.415	-	112.716
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**80.940**	**3.561**	**0.686**	**5.450**	**-**	**5.450**	**6.111**	**5.234**	**5.319**	**5.415**	**-**	**112.716**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Upgrades aircraft maintenance training devices (MTDs) located at Sheppard AFB and AETC Field Training Detachments located at AETC, ACC, AFMC, PACAF, USAFE, and AFSOC bases. MTDs support critical initial skills and supplemental training. Upgrades are necessary to ensure concurrency with aircraft systems.

Milestone/Development Status

N/A

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01600 - F-16	**Modification Nomenclature (*Modification Number - Modification Title*):** 8662 - AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS
Models of Systems Affected: F-16	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0809731F

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												
AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS												
Secondary Distribution												
AF	0 / 80.940	- / 3.561	- / 0.686	- / 5.450	- / -	- / 5.450	- / 6.111	- / 5.234	- / 5.319	- / 5.415	- / -	- / -
Total, AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Procurement, All Modifications	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Support												
SIM/TRAINER	109 / 80.940	13 / 3.561	2 / 0.686	13 / 5.450	- / -	13 / 5.450	13 / 6.111	13 / 5.234	13 / 5.319	13 / 5.415	- / -	189 / 112.716
Total Support, All Modifications	*80.940*	*3.561*	*0.686*	*5.450*	*-*	*5.450*	*6.111*	*5.234*	*5.319*	*5.415*	*-*	*112.716*
Total Procurement and Support	*80.940*	*3.561*	*0.686*	*5.450*	*-*	*5.450*	*6.111*	*5.234*	*5.319*	*5.415*	*-*	*112.716*
Total Installation Cost	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Cost (Procurement + Support + Installation)	**80.940**	**3.561**	**0.686**	**5.450**	**-**	**5.450**	**6.111**	**5.234**	**5.319**	**5.415**	**-**	**112.716**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F01600 - F-16	**Modification Nomenclature (*Modification Number - Modification Title*):** 8662 - AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS
Models of Systems Affected: F-16	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0809731F

Manufacturer Information: AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS

Manufacturer Name: Unknown	Manufacturer Location: Unknown
Administrative Leadtime *(in Months)*: 0	Production Leadtime *(in Months)*: 0

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

Installation: AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	**Method of Implementation:** Org/Intermediate	**Installation Quantity:** 0

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0207138F, 0207219F

MDAP/MAIS Code(s): 265

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)*	1,444.657	233.221	283.871	285.830	-	285.830	237.584	184.780	256.123	195.135	213.753	3,334.954
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1,444.657	233.221	283.871	285.830	-	285.830	237.584	184.780	256.123	195.135	213.753	3,334.954
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,444.657**	**233.221**	**283.871**	**285.830**	**-**	**285.830**	**237.584**	**184.780**	**256.123**	**195.135**	**213.753**	**3,334.954**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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

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

Description:

The F/A-22 program is the next generation multi-mission air superiority fighter to counter emerging worldwide threats. The F/A-22 is designed to penetrate enemy airspace and achieve a first-look, first-kill capability against multiple targets. The primary modification budgeted in FY14 is the Reliability and Maintainability Maturation Program. The specific modifications budgeted and programmed are below.

Funding for the exhibit contained in PE 0207138F.

Note(s):
F-22 Increment 3.2B is funded in the FY14 President's Budget. The associated funding (FY16-FY18) has been realigned from the F-22 P-1 line into a new P-1 line for Increment 3.2B. Since this funding is outside of the FY14 President's Budget documentation requirements, it will not be visible until the submit of the FY16 President's Budget. Currently, total F-22 budget is: FY2016: $276.890M; FY2017: $324.080M; and FY2018: $329.914M

All mods identified in the FY14PB documentation are validated by the Operational Requirements Document/F-22 Advanced Tactical Fighter - JROCM Feb '04

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	203.157	236.650	255.322	-	255.322	205.274	150.717	239.714	179.067

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207138F, 0207219F

MDAP/MAIS Code(s): 265

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	30.064	47.220	30.508	-	30.508	32.310	34.063	16.409	16.068

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
COMMON CONFIGURATION	P40A		-	-	646.884	-	-	3.930	-	-	3.556	-	-	2.661	-	-	-	-	-	2.661
Low Cost Mod Weapon System	P40A		-	-	11.931	-	-	1.217	-	-	-	-	-	-	-	-	-	-	-	-
Crypto Modernization	P40A		-	-	0.565	-	-	2.657	-	-	1.882	-	-	-	-	-	-	-	-	-
F-22 Mandates	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - INCREMENT 3.1	P3A		-	-	146.847	-	-	52.999	-	-	30.711	-	-	12.950	-	-	-	-	-	12.950
2 - Reliability and Maintainability Maturation Program	P3A		-	-	534.487	-	-	111.078	-	-	145.797	-	-	130.898	-	-	-	-	-	130.898
3 - F119 Engine Modifications	P3A		-	-	15.626	-	-	2.784	-	-	17.238	-	-	50.231	-	-	-	-	-	50.231
4 - Arresting Gear System	P3A		-	-	-	-	-	-	-	-	-	-	-	2.691	-	-	-	-	-	2.691
5 - Structures Retrofit Plan	P3A		-	-	76.657	-	-	54.500	-	-	58.153	-	-	59.645	-	-	-	-	-	59.645
6 - Trainers Modernization	P3A		-	-	11.660	-	-	4.056	-	-	26.533	-	-	26.754	-	-	-	-	-	26.754
Total Gross/Weapon System Cost					**1,444.657**			**233.221**			**283.871**			**285.830**			**-**			**285.830**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
COMMON CONFIGURATION	P40A		-	-	4.137	-	-	14.092	-	-	-	-	-	-	-	-	-	-	-	675.260
Low Cost Mod Weapon System	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.148
Crypto Modernization	P40A		-	-	-	-	-	0.553	-	-	3.304	-	-	3.309	-	-	2.644	-	-	14.914
F-22 Mandates	P40A		-	-	-	-	-	-	-	-	105.836	-	-	95.790	-	-	210.056	-	-	411.682
1 - INCREMENT 3.1	P3A		-	-	10.342	-	-	13.837	-	-	0.870	-	-	-	-	-	-	-	-	268.556
2 - Reliability and Maintainability Maturation Program	P3A		-	-	99.410	-	-	81.302	-	-	79.301	-	-	67.862	-	-	-	-	-	1,250.135
3 - F119 Engine Modifications	P3A		-	-	59.329	-	-	52.608	-	-	53.056	-	-	24.317	-	-	1.053	-	-	276.242
4 - Arresting Gear System	P3A		-	-	5.507	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.198

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Nomenclature:
F02200 - F-22A

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207138F, 0207219F

MDAP/MAIS Code(s): 265

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
5 - Structures Retrofit Plan	P3A		-	-	38.969	-	-	10.715	-	-	5.153	-	-	1.250	-	-	-	-	-	305.042
6 - Trainers Modernization	P3A		-	-	19.890	-	-	11.673	-	-	8.603	-	-	2.607	-	-	-	-	-	111.776
Total Gross/Weapon System Cost					**237.584**			**184.780**			**256.123**			**195.135**			**213.753**			**3,334.954**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - INCREMENT 3.1
Models of Systems Affected: F-22	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207138F

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)*	146.847	52.999	30.711	12.950	-	12.950	10.342	13.837	0.870	-	-	268.556
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	146.847	52.999	30.711	12.950	-	12.950	10.342	13.837	0.870	-	-	268.556
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**146.847**	**52.999**	**30.711**	**12.950**	**-**	**12.950**	**10.342**	**13.837**	**0.870**	**-**	**-**	**268.556**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Increment 3.1 hardware modifications enable the F-22 to host Increment 3.1 capabilities including retargeting Joint Direct Attack Munitions (JDAM), carriage and delivery of the Small Diameter Bomb (SDB) on preplanned missions using the Joint Mission Planning System (JMPS), using Synthetic Aperture Radar (SAR) Air-to-Ground radar mode to permit attack of emerging targets, and saving SAR imagery onto the Tactical Data Transfer System (TDTS) for post-mission analysis.

Increment 3.1 modernizes F-22 aircraft with Enhanced Central Integrated Processor (ECIP) cards, a new Map Inter-Face (MIF) board for the 4th generation APG-77VI radar, a modification to the GPS Inertial Navigation System (GINS), and a TDTS.

Installation of these kits is done either at the depot or by a contractor field team depending on the complexity of the effort.

Increment 3.1 also includes Mission Support Requirements.

Milestone/Development Status

Requirements analysis began in FY04 in Modernization PE 0207138F. Increment 3.1 Critical Design Review (CDR) completed in Dec 06. Increment 3.1 Development, Integration, & Test contract definitized in Aug 07 (4Q07) and completed 2QFY12. Operational Test and Evaluation completed Feb 12.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - INCREMENT 3.1
Models of Systems Affected: F-22	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207138F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - INCREMENT 3.1
Models of Systems Affected: F-22	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207138F

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)*
RDT&E PE #												
0207138F	0 / 639.991	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 639.991
Procurement												
INCREMENT 3.1												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 1.430	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.430
Subtotal Recurring	*0 / 1.430*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.430*
Non-Recurring												
KITS NONRECUR Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	100 / 135.091	23 / 33.119	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	123 / 168.210
EQUIPMENT Group B (Guard)	0 / 0.000	9 / 12.960	11 / 22.418	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 35.378
Subtotal Recurring	*100 / 135.091*	*32 / 46.079*	*11 / 22.418*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*143 / 203.588*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 5.778	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.778
EQUIP NONREC Group B (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 5.778*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 5.778*
Secondary Distribution												
AF	100 / 144.982	23 / 34.671	- / 0.781	- / 0.617	- / -	- / 0.617	- / 0.630	- / 0.669	- / 0.034	- / -	- / -	- / -
AFNG	0 / 0.000	9 / 12.960	11 / 22.418	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total, INCREMENT 3.1	*100 / 142.299*	*32 / 46.079*	*11 / 22.418*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*143 / 210.796*
Total Procurement, All Modifications	*100 / 142.299*	*32 / 46.079*	*11 / 22.418*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*143 / 210.796*
Support												
SIM/TRAINER	13 / 2.683	7 / 1.552	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 4.235
PMA	0 / 0.000	- / -	- / 0.781	- / 0.617	- / -	- / 0.617	- / 0.630	- / 0.669	- / 0.034	- / -	- / -	- / 2.731
Total Support, All Modifications	*2.683*	*1.552*	*0.781*	*0.617*	*-*	*0.617*	*0.630*	*0.669*	*0.034*	*-*	*-*	*6.966*
Total Procurement and Support	*144.982*	*47.631*	*23.199*	*0.617*	*-*	*0.617*	*0.630*	*0.669*	*0.034*	*-*	*-*	*217.762*
INCREMENT 3.1 Installation Cost	7 / 1.865	23 / 5.368	24 / 7.512	31 / 12.333	- / -	31 / 12.333	24 / 9.712	32 / 13.168	2 / 0.836	- / -	- / -	143 / 50.794

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature** (*Modification Number - Modification Title*): 1 - INCREMENT 3.1
Models of Systems Affected: F-22	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207138F

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	*7 / 1.865*	*23 / 5.368*	*24 / 7.512*	*31 / 12.333*	*- / -*	*31 / 12.333*	*24 / 9.712*	*32 / 13.168*	*2 / 0.836*	*- / -*	*- / -*	*143 / 50.794*
Total Cost (Procurement + Support + Installation)	**146.847**	**52.999**	**30.711**	**12.950**	**-**	**12.950**	**10.342**	**13.837**	**0.870**	**-**	**-**	**268.556**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - INCREMENT 3.1
Models of Systems Affected: F-22	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207138F

Manufacturer Information: INCREMENT 3.1

Manufacturer Name: Lockheed Martin	Manufacturer Location: Palmdale/Hill AFB
Administrative Leadtime *(in Months)*: 7	Production Leadtime *(in Months)*: 30

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

Installation: INCREMENT 3.1	Method of Implementation: Combination	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	7 / 1.865	23 / 5.368	24 / 7.512	31 / 12.333	- / -	31 / 12.333	15 / 6.070	- / -	- / -	- / -	0 / 0.000	100 / 33.148
Secondary Distribution - Air Force Active	7 / 1.865	23 / 5.368	24 / 7.512	31 / 12.333	- / -	31 / 12.333	15 / 6.070	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	9 / 3.642	23 / 9.465	- / -	- / -	- / -	32 / 13.107
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	9 / 3.642	14 / 5.761	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 3.704	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 3.703	2 / 0.836	- / -	- / -	11 / 4.539
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 3.703	2 / 0.836	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	7 / 1.865	23 / 5.368	24 / 7.512	31 / 12.333	- / -	31 / 12.333	24 / 9.712	32 / 13.168	2 / 0.836	- / -	- / -	143 / 50.794
Secondary Distribution - Air Force Active	7 / 1.865	23 / 5.368	24 / 7.512	31 / 12.333	- / -	31 / 12.333	24 / 9.712	14 / 5.761	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 7.407	2 / 0.836	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature** (*Modification Number - Modification Title*): 1 - INCREMENT 3.1
Models of Systems Affected: F-22	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207138F

Installation: INCREMENT 3.1	Method of Implementation: Combination	Installation Name:

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	7	5	6	6	6	6	8	5	5	7	8	9	7	5	6	8	5	10	7	9	6	2	-	-	-	-	-	-	-	-	143
Out	0	7	5	6	6	6	7	8	5	5	8	8	7	6	7	6	9	5	6	10	7	8	1	-	-	-	-	-	-	-	143

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - Reliability and Maintainability Maturation Program
Models of Systems Affected: F-22	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207138F

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)*	534.487	111.078	145.797	130.898	-	130.898	99.410	81.302	79.301	67.862	-	1,250.135
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	534.487	111.078	145.797	130.898	-	130.898	99.410	81.302	79.301	67.862	-	1,250.135
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**534.487**	**111.078**	**145.797**	**130.898**	**-**	**130.898**	**99.410**	**81.302**	**79.301**	**67.862**	**-**	**1,250.135**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 Reliability, Availability, and Maintainability Maturation Program (RAMMP) provides for the development and integration of upgrades to reach mature reliability, availability and maintainability (RAM). The associated RAMMP RDT&E effort develops candidate RAMMP initiatives which are down-selected for implementation based on their development maturity and impact on F-22 life cycle costs. RAMMP also includes depot touch labor and throughput to include the retrofit for Life Support System Projects, including Automatic Back-Up Oxygen System(ABOS), projects for diminishing manufacturing sources, modifications to address corrosion, and urgent reponse. RAMMP also includes Mission Support Requirements.

RAMMP retrofit kit purchases currently include 40+ individual RAMMP projects, totaling over 2,100 kits. In FY2014 and FY2015 RAMMP kit purchases and installs will include Configurable Rail Launchers (CRL) AIM-9X extension kits required to modify the existing CRLs to carry AIM-9X missiles.

Kit installations are done either at the depot or by a contractor field team depending on the complexity of the effort.

Milestone/Development Status

The development effort continually provides Research and Development projects to increase Reliability, Availability, and Maintainability of the aircraft through the FYDP. As these projects are tested and qualified, they are implemented via the retrofit program.

Exhibit P-3A, Individual Modification: PB 2014 Air Force			Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A		**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - Reliability and Maintainability Maturation Program
Models of Systems Affected: F-22	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207138F	

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - Reliability and Maintainability Maturation Program
Models of Systems Affected: F-22	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207138F

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)*
RDT&E PE #												
0207138F	0 / 110.071	- / 32.804	- / 11.202	- / 10.984	- / -	- / 10.984	- / 8.290	- / 8.539	- / 8.798	- / 9.062	- / -	- / 199.750
Procurement												
Reliability and Maintainability Maturation Program												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
B Kits												
Recurring												
EQUIPMENT Group B (Active)	955 / 376.490	619 / 27.801	441 / 68.829	1,202 / 65.616	- / -	1,202 / 65.616	1,226 / 56.676	1,009 / 47.389	964 / 44.195	806 / 38.034	- / -	7,222 / 725.030
EQUIPMENT Group B (Guard)	119 / 14.802	77 / 4.496	60 / 8.812	211 / 8.885	- / -	211 / 8.885	212 / 8.071	25 / 2.219	174 / 7.392	154 / 7.974	- / -	1,032 / 62.651
EQUIPMENT Group B (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*1,074 / 391.292*	*696 / 32.297*	*501 / 77.641*	*1,413 / 74.501*	- / -	*1,413 / 74.501*	*1,438 / 64.747*	*1,034 / 49.608*	*1,138 / 51.587*	*960 / 46.008*	- / -	*8,254 / 787.681*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
EQUIP NONREC Group B (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution												
AF	955 / 376.490	619 / 33.995	441 / 71.940	1,202 / 70.604	- / -	1,202 / 70.604	1,226 / 61.840	1,009 / 50.652	964 / 47.065	806 / 39.076	- / -	- / -
AFNG	119 / 14.802	77 / 4.496	60 / 8.812	211 / 8.885	- / -	211 / 8.885	212 / 8.071	25 / 2.219	174 / 7.392	154 / 7.974	- / -	- / -
AFR	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total, Reliability and Maintainability Maturation Program	*1,074 / 391.292*	*696 / 32.297*	*501 / 77.641*	*1,413 / 74.501*	- / -	*1,413 / 74.501*	*1,438 / 64.747*	*1,034 / 49.608*	*1,138 / 51.587*	*960 / 46.008*	- / -	*8,254 / 787.681*
Total Procurement, All Modifications	*1,074 / 391.292*	*696 / 32.297*	*501 / 77.641*	*1,413 / 74.501*	- / -	*1,413 / 74.501*	*1,438 / 64.747*	*1,034 / 49.608*	*1,138 / 51.587*	*960 / 46.008*	- / -	*8,254 / 787.681*
Support												
PMA	0 / 0.000	- / 6.194	- / 3.111	- / 4.988	- / -	- / 4.988	- / 5.164	- / 3.263	- / 2.870	- / 1.042	- / -	- / 26.632
Total Support, All Modifications	*0.000*	*6.194*	*3.111*	*4.988*	-	*4.988*	*5.164*	*3.263*	*2.870*	*1.042*	-	*26.632*
Total Procurement and Support	*391.292*	*38.491*	*80.752*	*79.489*	-	*79.489*	*69.911*	*52.871*	*54.457*	*47.050*	-	*814.313*
Reliability and Maintainability Maturation Program Installation Cost	1,074 / 143.195	696 / 72.587	501 / 65.045	1,413 / 51.409	- / -	1,413 / 51.409	1,438 / 29.499	1,034 / 28.431	1,138 / 24.844	960 / 20.812	- / -	8,254 / 435.822

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - Reliability and Maintainability Maturation Program
Models of Systems Affected: F-22	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207138F

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	*1,074 / 143.195*	*696 / 72.587*	*501 / 65.045*	*1,413 / 51.409*	*- / -*	*1,413 / 51.409*	*1,438 / 29.499*	*1,034 / 28.431*	*1,138 / 24.844*	*960 / 20.812*	*- / -*	*8,254 / 435.822*
Total Cost (Procurement + Support + Installation)	**534.487**	**111.078**	**145.797**	**130.898**	**-**	**130.898**	**99.410**	**81.302**	**79.301**	**67.862**	**-**	**1,250.135**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - Reliability and Maintainability Maturation Program
Models of Systems Affected: F-22	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207138F

Manufacturer Information: Reliability and Maintainability Maturation Program

Manufacturer Name: Lockheed Martin	Manufacturer Location: Palmdale/Hill AFB
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	Jan 2012	Jan 2013	Jan 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018
Delivery Dates	Jan 2013	Jan 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019

Installation: Reliability and Maintainability Maturation Program	Method of Implementation: Combination	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	1,074 / 143.195	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	1,074 / 143.195
Secondary Distribution - Air Force Active	955 / 124.989	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	119 / 18.206	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	696 / 72.587	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	696 / 72.587
Secondary Distribution - Air Force Active	- / -	619 / 63.446	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	77 / 9.141	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	501 / 65.045	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	501 / 65.045
Secondary Distribution - Air Force Active	- / -	- / -	441 / 55.726	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	60 / 9.319	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	1,413 / 51.409	- / -	1,413 / 51.409	- / -	- / -	- / -	- / -	- / -	1,413 / 51.409
Secondary Distribution - Air Force Active	- / -	- / -	- / -	1,202 / 44.504	- / -	1,202 / 44.504	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	211 / 6.905	- / -	211 / 6.905	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	1,438 / 29.499	- / -	- / -	- / -	- / -	1,438 / 29.499
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	1,226 / 25.500	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	212 / 3.999	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,034 / 28.431	- / -	- / -	- / -	1,034 / 28.431
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,009 / 27.830	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 0.601	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,138 / 24.844	- / -	- / -	1,138 / 24.844
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	964 / 21.553	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	174 / 3.291	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - Reliability and Maintainability Maturation Program
Models of Systems Affected: F-22	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0207138F

Installation: Reliability and Maintainability Maturation Program | **Method of Implementation:** Combination | **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)*
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	960 / 20.812	- / -	960 / 20.812
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	806 / 17.578	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	154 / 3.234	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1,074 / 143.195	696 / 72.587	501 / 65.045	1,413 / 51.409	- / -	1,413 / 51.409	1,438 / 29.499	1,034 / 28.431	1,138 / 24.844	960 / 20.812	- / -	8,254 / 435.822
Secondary Distribution - Air Force Active	955 / 124.989	619 / 63.446	441 / 55.726	1,202 / 44.504	- / -	1,202 / 44.504	1,226 / 25.500	1,009 / 27.830	964 / 21.553	806 / 17.578	- / -	- / -
Secondary Distribution - Air National Guard	119 / 18.206	77 / 9.141	60 / 9.319	211 / 6.905	- / -	211 / 6.905	212 / 3.999	25 / 0.601	174 / 3.291	154 / 3.234	- / -	- / -

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	1,074	174	174	174	174	125	125	125	126	353	353	353	354	359	359	360	360	258	258	259	259	284	284	285	285	240	240	240	240	-	8,254
Out	1,074	174	174	174	174	125	125	125	126	353	353	353	354	359	359	360	360	258	258	259	259	284	284	285	285	240	240	240	240	-	8,254

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 3 - F119 Engine Modifications
Models of Systems Affected: F-22A	**Type Modification:** Other	**Related RDT&E PEs:** 0207138F

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)*	15.626	2.784	17.238	50.231	-	50.231	59.329	52.608	53.056	24.317	1.053	276.242
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	15.626	2.784	17.238	50.231	-	50.231	59.329	52.608	53.056	24.317	1.053	276.242
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**15.626**	**2.784**	**17.238**	**50.231**	**-**	**50.231**	**59.329**	**52.608**	**53.056**	**24.317**	**1.053**	**276.242**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 includes both the F119 Engine modifications and the Item Unique Identification Description marking initiative (IUID), which includes procurement of support equipment (SE) fixtures and tooling to support marking of engine components, depot and SE tooling for F119 Engine Parts.

This program funds modifications for 372 engines in 186 aircraft and approximately 104 whole engine spares. There are currently 7,883 kits associated with F119 engine modifications. Quantities reflect individual kit procurement and installation. Engine modifications are necessary to improve the safety, reliability, maintainability, sustainability, and mission performance of the F119 engine, which reduces Mean Time Between Maintenance and minimizes engine Life Cycle Costs. The objective is to ensure the engines can successfully achieve full life status of 8,650 Total Accumulated Cycles (TAC). Engine depot inductions, or inspections, are funded through this program. It also includes depot tooling and SE tooling for F119 Engine Parts. Engines enter into depot induction, get inspected and when issues are discovered, repairs are developed via the engine Component Improvement Program (CIP) and are implemented via modifications.

Induction inspections are based on TAC counts. The 2,150 TAC inductions began in FY11 and carry through FY14. The next phase of inductions will occur at 4,325 TACs, also known as half-life inspections. These inspections are projected likely to begin in the second half of FY13 and will continue through FY20. These inspections will likely generate expensive maintenance and repair issues that will require engine modifications.

Due to the 4,325 TACs inspections beginning in FY13, the modification funding requirement will increase in FY13 and will become significantly larger in FY14 and beyond until FY19 until modification requirements stabilize. Funding is needed as close to inspection as possible due to lead times ranging from 6 weeks to 21 months. Retrofits shown here are performed at the depot depending on the specific modification.

F-119 Engine Modifications also includes Mission Support Requirements.

Milestone/Development Status

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 3 - F119 Engine Modifications
Models of Systems Affected: F-22A	**Type Modification:** Other	**Related RDT&E PEs:** 0207138F

Kit installations are done either at the depot or by a contractor field team depending on the complexity of the effort.

Engine CIP in the Engine Program Office Program Element provides development funding for F119 engine modifications. The objectives of the engine CIP program are to improve safety of flight, develop solutions to deficiencies, and improve reliability, maintainability, and durability affecting the life cycle cost of aircraft engines. Following the completion of CIP developmental efforts, engine modifications are forecasted appropriately.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 3 - F119 Engine Modifications
Models of Systems Affected: F-22A	**Type Modification:** Other	**Related RDT&E PEs:** 0207138F

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												
F119 Engine Modifications												
B Kits												
Recurring												
EQUIPMENT Group B (Active)	1,085 / 14.441	880 / 2.031	1,076 / 13.513	994 / 41.820	- / -	994 / 41.820	1,022 / 50.095	848 / 43.922	671 / 43.126	568 / 17.537	- / -	7,144 / 226.485
EQUIPMENT Group B (Guard)	68 / 0.642	98 / 0.226	119 / 2.425	110 / 4.628	- / -	110 / 4.628	113 / 4.985	94 / 5.203	74 / 4.792	63 / 4.763	- / -	739 / 27.664
Subtotal Recurring	*1,153 / 15.083*	*978 / 2.257*	*1,195 / 15.938*	*1,104 / 46.448*	*- / -*	*1,104 / 46.448*	*1,135 / 55.080*	*942 / 49.125*	*745 / 47.918*	*631 / 22.300*	*- / -*	*7,883 / 254.149*
Secondary Distribution												
AF	1,085 / 14.441	880 / 2.031	1,076 / 14.160	994 / 44.651	- / -	994 / 44.651	1,022 / 53.318	848 / 46.339	671 / 45.140	568 / 18.579	- / -	- / -
AFNG	68 / 0.642	98 / 0.226	119 / 2.425	110 / 4.628	- / -	110 / 4.628	113 / 4.985	94 / 5.203	74 / 4.792	63 / 4.763	- / -	- / -
Total, F119 Engine Modifications	*1,153 / 15.083*	*978 / 2.257*	*1,195 / 15.938*	*1,104 / 46.448*	*- / -*	*1,104 / 46.448*	*1,135 / 55.080*	*942 / 49.125*	*745 / 47.918*	*631 / 22.300*	*- / -*	*7,883 / 254.149*
Total Procurement, All Modifications	*1,153 / 15.083*	*978 / 2.257*	*1,195 / 15.938*	*1,104 / 46.448*	*- / -*	*1,104 / 46.448*	*1,135 / 55.080*	*942 / 49.125*	*745 / 47.918*	*631 / 22.300*	*- / -*	*7,883 / 254.149*
Support												
PMA	0 / 0.000	- / -	- / 0.647	- / 2.831	- / -	- / 2.831	- / 3.223	- / 2.417	- / 2.014	- / 1.042	- / -	- / 12.174
Total Support, All Modifications	*0.000*	*-*	*0.647*	*2.831*	*-*	*2.831*	*3.223*	*2.417*	*2.014*	*1.042*	*-*	*12.174*
Total Procurement and Support	*15.083*	*2.257*	*16.585*	*49.279*	*-*	*49.279*	*58.303*	*51.542*	*49.932*	*23.342*	*-*	*266.323*
F119 Engine Modifications Installation Cost	476 / 0.543	722 / 0.527	933 / 0.653	1,195 / 0.952	- / -	1,195 / 0.952	1,104 / 1.026	1,135 / 1.066	942 / 3.124	745 / 0.975	631 / 1.053	7,883 / 9.919
Total Installation Cost	*476 / 0.543*	*722 / 0.527*	*933 / 0.653*	*1,195 / 0.952*	*- / -*	*1,195 / 0.952*	*1,104 / 1.026*	*1,135 / 1.066*	*942 / 3.124*	*745 / 0.975*	*631 / 1.053*	*7,883 / 9.919*
Total Cost (Procurement + Support + Installation)	**15.626**	**2.784**	**17.238**	**50.231**	**-**	**50.231**	**59.329**	**52.608**	**53.056**	**24.317**	**1.053**	**276.242**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 3 - F119 Engine Modifications
Models of Systems Affected: F-22A	**Type Modification:** Other	**Related RDT&E PEs:** 0207138F

Manufacturer Information: F119 Engine Modifications

Manufacturer Name: Pratt & Whitney	Manufacturer Location: East Hartford/Tinker AFB
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	Jan 2012	Jan 2013	Jan 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018
Delivery Dates	Jan 2013	Jan 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019

Installation: F119 Engine Modifications	Method of Implementation: Combination	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	476 / 0.543	677 / 0.491	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	1,153 / 1.034
Secondary Distribution - Air Force Active	476 / 0.543	609 / 0.438	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	68 / 0.053	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	45 / 0.036	933 / 0.653	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	978 / 0.689
Secondary Distribution - Air Force Active	- / -	45 / 0.036	835 / 0.588	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	98 / 0.065	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	1,195 / 0.952	- / -	1,195 / 0.952	- / -	- / -	- / -	- / -	- / -	1,195 / 0.952
Secondary Distribution - Air Force Active	- / -	- / -	- / -	1,076 / 0.857	- / -	1,076 / 0.857	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	119 / 0.095	- / -	119 / 0.095	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	1,104 / 1.026	- / -	- / -	- / -	- / -	1,104 / 1.026
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	994 / 0.924	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	110 / 0.102	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,135 / 1.066	- / -	- / -	- / -	1,135 / 1.066
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,022 / 0.959	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	113 / 0.107	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	942 / 3.124	- / -	- / -	942 / 3.124
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	848 / 3.026	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	94 / 0.098	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	745 / 0.975	- / -	745 / 0.975
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	671 / 0.878	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	74 / 0.097	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	631 / 1.053	631 / 1.053
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 3 - F119 Engine Modifications
Models of Systems Affected: F-22A	**Type Modification:** Other	**Related RDT&E PEs:** 0207138F

Installation: F119 Engine Modifications | **Method of Implementation:** Combination | **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)*
Secondary Distribution - Air Force Active	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	476 / 0.543	722 / 0.527	933 / 0.653	1,195 / 0.952	- / -	1,195 / 0.952	1,104 / 1.026	1,135 / 1.066	942 / 3.124	745 / 0.975	631 / 1.053	7,883 / 9.919
Secondary Distribution - Air Force Active	476 / 0.543	654 / 0.474	835 / 0.588	1,076 / 0.857	- / -	1,076 / 0.857	994 / 0.924	1,022 / 0.959	848 / 3.026	671 / 0.878	- / -	- / -
Secondary Distribution - Air National Guard	- / -	68 / 0.053	98 / 0.065	119 / 0.095	- / -	119 / 0.095	110 / 0.102	113 / 0.107	94 / 0.098	74 / 0.097	- / -	- / -

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	476	181	181	181	179	233	233	233	234	298	298	298	301	276	276	276	276	283	283	283	286	235	235	235	237	186	186	186	187	631	7,883
Out	476	181	181	181	179	233	233	233	234	298	298	298	301	276	276	276	276	283	283	283	286	235	235	235	237	186	186	186	187	631	7,883

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 4 - Arresting Gear System
Models of Systems Affected: F-22	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207138F

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)*	-	-	-	2.691	-	2.691	5.507	-	-	-	-	8.198
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	-	2.691	-	2.691	5.507	-	-	-	-	8.198
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**-**	**2.691**	**-**	**2.691**	**5.507**	**-**	**-**	**-**	**-**	**8.198**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 effort will increase the speed at which the F-22 can use the emergency arresting cable.

Kit installations will be done by blue suitors/organic with no cost to government. Quantities are reflective of the number of aircraft receiving modification.

Arresting Gear System is a FY14 procurement new start and includes Mission Support requirements.

Milestone/Development Status

Development began in FY10. Testing began in FY11 and continues into FY13. This is a one year shift due to F-22 stand down and repriotization of projects.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 4 - Arresting Gear System
Models of Systems Affected: F-22	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207138F

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)*
RDT&E PE #												
0207138F	0 / 2.693	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.693
Procurement												
Arresting Gear System												
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	- / -	58 / 2.539	- / -	58 / 2.539	100 / 4.317	- / -	- / -	- / -	- / -	158 / 6.856
EQUIPMENT Group B (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	20 / 0.863	- / -	- / -	- / -	- / -	20 / 0.863
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*58 / 2.539*	*- / -*	*58 / 2.539*	*120 / 5.180*	*- / -*	*- / -*	*- / -*	*- / -*	*178 / 7.719*
Secondary Distribution												
AF	0 / 0.000	- / -	- / -	58 / 2.691	- / -	58 / 2.691	100 / 4.644	- / -	- / -	- / -	- / -	- / -
AFNG	0 / 0.000	- / -	- / -	- / -	- / -	- / -	20 / 0.863	- / -	- / -	- / -	- / -	- / -
Total, Arresting Gear System	*0 / 0.000*	*- / -*	*- / -*	*58 / 2.539*	*- / -*	*58 / 2.539*	*120 / 5.180*	*- / -*	*- / -*	*- / -*	*- / -*	*178 / 7.719*
Total Procurement, All Modifications	*0 / 0.000*	*- / -*	*- / -*	*58 / 2.539*	*- / -*	*58 / 2.539*	*120 / 5.180*	*- / -*	*- / -*	*- / -*	*- / -*	*178 / 7.719*
Support												
PMA	0 / 0.000	- / -	- / -	- / 0.152	- / -	- / 0.152	- / 0.327	- / -	- / -	- / -	- / -	- / 0.479
Total Support, All Modifications	*0.000*	*-*	*-*	*0.152*	*-*	*0.152*	*0.327*	*-*	*-*	*-*	*-*	*0.479*
Total Procurement and Support	*0.000*	*-*	*-*	*2.691*	*-*	*2.691*	*5.507*	*-*	*-*	*-*	*-*	*8.198*
Total Installation Cost	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**2.691**	**-**	**2.691**	**5.507**	**-**	**-**	**-**	**-**	**8.198**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature** (*Modification Number - Modification Title*): 4 - Arresting Gear System
Models of Systems Affected: F-22	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207138F

Manufacturer Information: Arresting Gear System

Manufacturer Name: Lockheed Martin	Manufacturer Location: Palmdale/Hill AFB
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			Jan 2014	Jan 2015			
Delivery Dates			Jul 2014	Jul 2015			

Installation: Arresting Gear System	**Method of Implementation:** Org/Intermediate	**Installation Quantity:** 0

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 5 - Structures Retrofit Plan
Models of Systems Affected: F-22	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0207138F

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)*	76.657	54.500	58.153	59.645	-	59.645	38.969	10.715	5.153	1.250	-	305.042
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	76.657	54.500	58.153	59.645	-	59.645	38.969	10.715	5.153	1.250	-	305.042
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**76.657**	**54.500**	**58.153**	**59.645**	**-**	**59.645**	**38.969**	**10.715**	**5.153**	**1.250**	**-**	**305.042**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 Structures Retrofit Plan (SRP) is a program designed to retrofit F-22 aircraft with the structural improvements identified after each individual aircraft was produced. A number of F-22 structural improvements were identified during F-22 production to date. Aircraft that were (or will be) produced after identification of particular structural improvements incorporate those improvements. The number of aircraft on this document is not reflective of the total fleet because some of the aircraft had the kits installed while in production. Installation costs are shown for modifications performed at the depot level only.

Structures Retrofit Program also includes Mission Support Requirements.

Milestone/Development Status

Development complete. RDT&E funding identified is for test aircraft retrofits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 5 - Structures Retrofit Plan
Models of Systems Affected: F-22	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0207138F

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)*
RDT&E PE #												
0207138F	0 / 0.127	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.500	- / -	- / -	- / 3.627
Procurement												
Structures Retrofit Plan												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	51 / 27.657	31 / 6.248	25 / 6.250	16 / 4.750	- / -	16 / 4.750	11 / 2.750	4 / 1.500	4 / 1.250	- / -	- / -	142 / 50.405
INSTALL KITS Group A (Guard)	2 / 0.500	2 / 0.500	5 / 1.250	7 / 1.750	- / -	7 / 1.750	4 / 1.000	- / -	- / -	- / -	- / -	20 / 5.000
Subtotal Recurring	*53 / 28.157*	*33 / 6.748*	*30 / 7.500*	*23 / 6.500*	*- / -*	*23 / 6.500*	*15 / 3.750*	*4 / 1.500*	*4 / 1.250*	*- / -*	*- / -*	*162 / 55.405*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Non-Recurring												
EQUIP NONREC Group B (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Secondary Distribution												
AF	51 / 27.657	31 / 6.248	25 / 7.729	16 / 7.520	- / -	16 / 7.520	11 / 4.469	4 / 1.967	4 / 1.375	- / -	- / -	- / -
AFNG	2 / 0.500	2 / 0.500	5 / 1.250	7 / 1.750	- / -	7 / 1.750	4 / 1.000	- / -	- / -	- / -	- / -	- / -
Total, Structures Retrofit Plan	*53 / 28.157*	*33 / 6.748*	*30 / 7.500*	*23 / 6.500*	*- / -*	*23 / 6.500*	*15 / 3.750*	*4 / 1.500*	*4 / 1.250*	*- / -*	*- / -*	*162 / 55.405*
Total Procurement, All Modifications	*53 / 28.157*	*33 / 6.748*	*30 / 7.500*	*23 / 6.500*	*- / -*	*23 / 6.500*	*15 / 3.750*	*4 / 1.500*	*4 / 1.250*	*- / -*	*- / -*	*162 / 55.405*
Support												
PMA	0 / 0.000	- / -	- / 1.479	- / 2.770	- / -	- / 2.770	- / 1.719	- / 0.467	- / 0.125	- / -	- / -	- / 6.560
Total Support, All Modifications	*0.000*	*-*	*1.479*	*2.770*	*-*	*2.770*	*1.719*	*0.467*	*0.125*	*-*	*-*	*6.560*
Total Procurement and Support	*28.157*	*6.748*	*8.979*	*9.270*	*-*	*9.270*	*5.469*	*1.967*	*1.375*	*-*	*-*	*61.965*
Structures Retrofit Plan Installation Cost	17 / 48.500	25 / 47.752	35 / 49.174	39 / 50.375	- / -	39 / 50.375	23 / 33.500	15 / 8.748	4 / 3.778	4 / 1.250	- / -	162 / 243.077
Total Installation Cost	*17 / 48.500*	*25 / 47.752*	*35 / 49.174*	*39 / 50.375*	*- / -*	*39 / 50.375*	*23 / 33.500*	*15 / 8.748*	*4 / 3.778*	*4 / 1.250*	*- / -*	*162 / 243.077*
Total Cost (Procurement + Support + Installation)	**76.657**	**54.500**	**58.153**	**59.645**	**-**	**59.645**	**38.969**	**10.715**	**5.153**	**1.250**	**-**	**305.042**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 5 - Structures Retrofit Plan
Models of Systems Affected: F-22	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0207138F

Manufacturer Information: Structures Retrofit Plan

Manufacturer Name: Lockheed Martin	Manufacturer Location: Palmdale/Hill AFB
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	Jan 2012	Jan 2013	Jan 2014	Jan 2015	Jan 2016	Jan 2017	
Delivery Dates	Jan 2013	Jan 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018	

Installation: Structures Retrofit Plan	Method of Implementation: Combination	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	17 / 48.500	25 / 47.752	11 / 16.084	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	53 / 112.336
Secondary Distribution - Air Force Active	17 / 48.500	23 / 45.064	11 / 16.084	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	2 / 2.688	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	24 / 33.090	9 / 17.240	- / -	9 / 17.240	- / -	- / -	- / -	- / -	- / -	33 / 50.330
Secondary Distribution - Air Force Active	- / -	- / -	22 / 30.402	9 / 17.240	- / -	9 / 17.240	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	2 / 2.688	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	30 / 33.135	- / -	30 / 33.135	- / -	- / -	- / -	- / -	- / -	30 / 33.135
Secondary Distribution - Air Force Active	- / -	- / -	- / -	25 / 26.415	- / -	25 / 26.415	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	5 / 6.720	- / -	5 / 6.720	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	23 / 33.500	- / -	- / -	- / -	- / -	23 / 33.500
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	16 / 24.090	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	7 / 9.410	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 8.748	- / -	- / -	- / -	15 / 8.748
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 3.372	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 5.376	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 3.778	- / -	- / -	4 / 3.778
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 3.778	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.250	- / -	4 / 1.250
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.250	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 5 - Structures Retrofit Plan
Models of Systems Affected: F-22	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0207138F

Installation: Structures Retrofit Plan | **Method of Implementation:** Combination | **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)*
Total	17 / 48.500	25 / 47.752	35 / 49.174	39 / 50.375	- / -	39 / 50.375	23 / 33.500	15 / 8.748	4 / 3.778	4 / 1.250	- / -	162 / 243.077
Secondary Distribution - Air Force Active	17 / 48.500	23 / 45.064	33 / 46.486	34 / 43.655	- / -	34 / 43.655	16 / 24.090	11 / 3.372	4 / 3.778	4 / 1.250	- / -	- / -
Secondary Distribution - Air National Guard	- / -	2 / 2.688	2 / 2.688	5 / 6.720	- / -	5 / 6.720	7 / 9.410	4 / 5.376	- / -	- / -	- / -	- / -

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	17	8	6	6	5	8	9	9	9	11	10	9	9	6	6	6	5	4	4	4	3	1	1	1	1	4	-	-	-	-	162
Out	14	3	8	6	6	5	8	9	9	9	11	10	9	9	6	6	6	5	4	4	4	3	1	1	1	1	4	-	-	-	162

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 6 - Trainers Modernization
Models of Systems Affected: F-22	**Type Modification:** Safety	**Related RDT&E PEs:** 0207138F

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)*	11.660	4.056	26.533	26.754	-	26.754	19.890	11.673	8.603	2.607	-	111.776
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	11.660	4.056	26.533	26.754	-	26.754	19.890	11.673	8.603	2.607	-	111.776
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**11.660**	**4.056**	**26.533**	**26.754**	**-**	**26.754**	**19.890**	**11.673**	**8.603**	**2.607**	**-**	**111.776**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 effort modifies training devices to simulate existing and future F-22 operational capabilities. The following data provides a funding profile and installation schedule for major upgrades to the Pilot and Maintenance Training Devices (MTD). These modifications will enable the 4-ship Mission Training Centers (MTC) and Weapons and Tactics Trainer (WTT) systems to provide realistic training in 2 major areas: (1) Visual System Display, and (2) Night Vision Goggle (NVG) training. Additionally, these modifications will allow the MTDs to be more concurrent with the aircraft.

Quantities included are reflective of the number of trainers being modified, not the number of kits being purchased for the modifications. Upgrades for Pilot Trainers are significantly more expensive than Maintenance Trainers due to the technology involved, and this is reflected in both the purchase and install costs throughout the FYDP.

Trainers Modernization also includes Mission Support Requirements.

The Aircraft Breakdown section below is reflective of the actual number of trainers. There are 28 Pilot Training Devices and 26 Maintenance Training Devices for a total of 54.

Kit installations are done by a contractor field team.

Milestone/Development Status

Trainers will have a continuing requirement for software enhancements.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 6 - Trainers Modernization
Models of Systems Affected: F-22	**Type Modification:** Safety	**Related RDT&E PEs:** 0207138F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 6 - Trainers Modernization
Models of Systems Affected: F-22	**Type Modification:** Safety	**Related RDT&E PEs:** 0207138F

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)*
RDT&E PE #												
0207138F	0 / 32.514	- / 6.500	- / 6.700	- / 5.860	- / -	- / 5.860	- / 6.130	- / 6.130	- / 5.000	- / 5.000	- / -	- / 73.834
Procurement												
Trainers Modernization												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
B Kits												
Recurring												
EQUIPMENT Group B (Active)	32 / 10.110	10 / 4.056	10 / 25.755	14 / 25.050	- / -	14 / 25.050	13 / 6.560	10 / 2.250	10 / 2.250	10 / 2.250	- / -	109 / 78.281
Subtotal Recurring	*32 / 10.110*	*10 / 4.056*	*10 / 25.755*	*14 / 25.050*	- / -	*14 / 25.050*	*13 / 6.560*	*10 / 2.250*	*10 / 2.250*	*10 / 2.250*	- / -	*109 / 78.281*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
EQUIP NONREC Group B (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution												
AF	32 / 10.110	10 / 4.056	10 / 26.533	14 / 26.276	- / -	14 / 26.276	13 / 7.740	10 / 2.758	10 / 2.353	10 / 2.357	- / -	- / -
Total, Trainers Modernization	*32 / 10.110*	*10 / 4.056*	*10 / 25.755*	*14 / 25.050*	- / -	*14 / 25.050*	*13 / 6.560*	*10 / 2.250*	*10 / 2.250*	*10 / 2.250*	- / -	*109 / 78.281*
Total Procurement, All Modifications	*32 / 10.110*	*10 / 4.056*	*10 / 25.755*	*14 / 25.050*	- / -	*14 / 25.050*	*13 / 6.560*	*10 / 2.250*	*10 / 2.250*	*10 / 2.250*	- / -	*109 / 78.281*
Support												
PMA	0 / 0.000	- / -	- / 0.778	- / 1.226	- / -	- / 1.226	- / 1.180	- / 0.508	- / 0.103	- / 0.107	- / -	- / 3.902
Total Support, All Modifications	*0.000*	-	*0.778*	*1.226*	-	*1.226*	*1.180*	*0.508*	*0.103*	*0.107*	-	*3.902*
Total Procurement and Support	*10.110*	*4.056*	*26.533*	*26.276*	-	*26.276*	*7.740*	*2.758*	*2.353*	*2.357*	-	*82.183*
Trainers Modernization Installation Cost	32 / 1.550	- / -	- / -	17 / 0.478	- / -	17 / 0.478	15 / 12.150	25 / 8.915	10 / 6.250	10 / 0.250	- / -	109 / 29.593
Total Installation Cost	*32 / 1.550*	- / -	- / -	*17 / 0.478*	- / -	*17 / 0.478*	*15 / 12.150*	*25 / 8.915*	*10 / 6.250*	*10 / 0.250*	- / -	*109 / 29.593*
Total Cost (Procurement + Support + Installation)	**11.660**	**4.056**	**26.533**	**26.754**	**-**	**26.754**	**19.890**	**11.673**	**8.603**	**2.607**	**-**	**111.776**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature (*Modification Number - Modification Title*):** 6 - Trainers Modernization
Models of Systems Affected: F-22	**Type Modification:** Safety	**Related RDT&E PEs:** 0207138F

Manufacturer Information: Trainers Modernization

Manufacturer Name: Lockheed Martin	Manufacturer Location: Palmdale/Hill AFB
Administrative Leadtime *(in Months)*: 4	Production Leadtime *(in Months)*: 5

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

Installation: Trainers Modernization	Method of Implementation: Contract Field Team	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	32 / 1.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	32 / 1.550
Secondary Distribution - Air Force Active	32 / 1.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	10 / 0.281	- / -	10 / 0.281	- / -	- / -	- / -	- / -	- / -	10 / 0.281
Secondary Distribution - Air Force Active	- / -	- / -	- / -	10 / 0.281	- / -	10 / 0.281	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	7 / 0.197	- / -	7 / 0.197	3 / 2.430	- / -	- / -	- / -	- / -	10 / 2.627
Secondary Distribution - Air Force Active	- / -	- / -	- / -	7 / 0.197	- / -	7 / 0.197	3 / 2.430	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	12 / 9.720	2 / 0.713	- / -	- / -	- / -	14 / 10.433
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	12 / 9.720	2 / 0.713	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 4.636	- / -	- / -	- / -	13 / 4.636
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 4.636	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 3.566	- / -	- / -	- / -	10 / 3.566
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 3.566	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 6.250	- / -	- / -	10 / 6.250
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 6.250	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.250	- / -	10 / 0.250
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.250	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	32 / 1.550	- / -	- / -	17 / 0.478	- / -	17 / 0.478	15 / 12.150	25 / 8.915	10 / 6.250	10 / 0.250	- / -	109 / 29.593
Secondary Distribution - Air Force Active	32 / 1.550	- / -	- / -	17 / 0.478	- / -	17 / 0.478	15 / 12.150	25 / 8.915	10 / 6.250	10 / 0.250	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F02200 - F-22A	**Modification Nomenclature** (*Modification Number - Modification Title*): 6 - Trainers Modernization
Models of Systems Affected: F-22	**Type Modification:** Safety	**Related RDT&E PEs:** 0207138F

Installation: Trainers Modernization	**Method of Implementation:** Contract Field Team	**Installation Name:**

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	32	-	-	-	-	-	-	-	-	5	4	4	4	4	4	4	3	6	6	6	7	3	2	2	3	3	2	2	3	-	109
Out	32	-	-	-	-	-	-	-	-	5	4	4	4	4	4	4	3	6	6	6	7	3	2	2	3	3	2	2	3	-	109

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F03500 - F-35 Modifications

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0207142F

MDAP/MAIS Code(s): 198

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)*	4.610	-	147.995	157.777	-	157.777	245.462	223.683	252.141	256.680	1.493	1,289.841
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	4.610	-	147.995	157.777	-	157.777	245.462	223.683	252.141	256.680	1.493	1,289.841
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**4.610**	**-**	**147.995**	**157.777**	**-**	**157.777**	**245.462**	**223.683**	**252.141**	**256.680**	**1.493**	**1,289.841**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 F-35 Joint Strike Fighter (JSF) Program will develop and deploy a family of highly common, affordable, next generation, stealthy, multi-role strike fighters that meet the needs of multiple services and countries. The United States Air Force Conventional Takeoff and Landing (CTOL) correction of deficiencies effort provides near and long term improvements to the fleet, focusing on documented deficiencies related to safety, maintainability, and aircraft systems. These modifications and selected component changes are being accomplished by field and depot retrofit. In order to meet emerging deficiencies the airframe and integrated systems must be modified as critical corrections/changes are identified. Funds will be used to manage, prepare, process and incorporate concurrency changes to sustain and improve CTOL system operations. Concurrency changes are implemented to coincide with resources and aircraft availability.

Block upgrades provide more robust performance in navigation, weapons, avionics, survivability, maneuverability, maintainability, and mission deployment of the CTOL platform. This modification program will bring early production aircraft and integrated systems to a common fleet configuration as fielded capabilities evolve over the course of the F-35 program.

The requested modification funding enables several distinct efforts pertaining to the Air Force CTOL aircraft to include post DD-250 concurrency retrofits, block upgrades for CTOLs, and upgrading hardware and software components to a full Block 3F configuration. The focus of the modification funding requested in the 2014 President's Budget is the first (concurrency) and third (Block 3i long-lead) efforts.

Funding for this exhibit contained in PE 0207142F.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Nomenclature:
F03500 - F-35 Modifications

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207142F

MDAP/MAIS Code(s): 198

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	147.995	157.777	-	157.777	245.462	223.683	252.141	256.680

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Block 2B OT Upgrade	P40A		-	-	4.610	-	-	-	-	-	6.483	-	-	-	-	-	-	-	-	-
Block 3F LRIP 2-5 Upgrade	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Block 3F LRIP 6-8 Upgrade	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - Block 3i LRIP 2-5 Upgrade	P3A		-	-	-	-	-	-	-	-	-	-	-	63.420	-	-	-	-	-	63.420
2 - Concurrency	P3A		-	-	-	-	-	-	-	-	141.512	-	-	94.357	-	-	-	-	-	94.357
Total Gross/Weapon System Cost					**4.610**			**-**			**147.995**			**157.777**			**-**			**157.777**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Block 2B OT Upgrade	P40A		-	-	0.861	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.954
Block 3F LRIP 2-5 Upgrade	P40A		-	-	-	-	-	6.990	-	-	0.306	-	-	2.040	-	-	0.255	-	-	9.591
Block 3F LRIP 6-8 Upgrade	P40A		-	-	-	-	-	-	-	-	-	-	-	2.856	-	-	-	-	-	2.856
1 - Block 3i LRIP 2-5 Upgrade	P3A		-	-	81.695	-	-	94.022	-	-	28.449	-	-	3.764	-	-	1.238	-	-	272.588
2 - Concurrency	P3A		-	-	162.906	-	-	122.671	-	-	223.386	-	-	248.020	-	-	-	-	-	992.852
Total Gross/Weapon System Cost					**245.462**			**223.683**			**252.141**			**256.680**			**1.493**			**1,289.841**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F03500 - F-35 Modifications	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - Block 3i LRIP 2-5 Upgrade
Models of Systems Affected: F-35 CTOL	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207142F

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)*	-	-	-	63.420	-	63.420	81.695	94.022	28.449	3.764	1.238	272.588
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	-	63.420	-	63.420	81.695	94.022	28.449	3.764	1.238	272.588
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**-**	**63.420**	**-**	**63.420**	**81.695**	**94.022**	**28.449**	**3.764**	**1.238**	**272.588**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 block upgrade program retrofits United States Air Force Conventional Takeoff and Landing (CTOL) aircraft and integrated systems procured under the Low Rate Initial Production (LRIP) contracts to a final Block 3F configuration. The retrofits to enable the final Block 3F configuration are comprised of hardware and software. The hardware per aircraft includes new radar modules, new Integrated Core Processor modules and rack, and new electronic warfare modules. Aircraft need to be updated to a final Block 3F configuration to avoid cost associated with maintaining multiple configurations of aircraft at operating locations. Some will require multiple modifications to reach the final Block 3F configuration.

This effort (MN-F3513) focuses on upgrading Blocks 1B, 2A, and 2B aircraft from LRIPs 2-5 to a Block 3i configuration. Block 3i is a stepping stone to a Block 3F configuration. It includes the procurement of Tech Refresh 2 (TR2) hardware for the Block 3i configuration. The long-lead parts include new radar modules, new Integrated Core Processor (ICP) modules and rack, and new Electronic Warfare (EW) modules.

Changes will be tested and approved prior to installation in the F-35 aircraft. Non-recurring engineering (NRE) is being performed using RDT&E, AF funds, and will be complete in FY14.

Milestone/Development Status

Contract Award.
First Article Validation.
Completion of last aircraft installation.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F03500 - F-35 Modifications	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - Block 3i LRIP 2-5 Upgrade
Models of Systems Affected: F-35 CTOL	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207142F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F03500 - F-35 Modifications	**Modification Nomenclature** (*Modification Number - Modification Title*): 1 - Block 3i LRIP 2-5 Upgrade
Models of Systems Affected: F-35 CTOL	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207142F

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												
Block 3i LRIP 2-5 Upgrade												
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	- / -	11 / 43.861	- / -	11 / 43.861	13 / 61.143	16 / 77.510	5 / 25.480	- / -	- / -	45 / 207.994
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*11 / 43.861*	*- / -*	*11 / 43.861*	*13 / 61.143*	*16 / 77.510*	*5 / 25.480*	*- / -*	*- / -*	*45 / 207.994*
Secondary Distribution												
AF	0 / 0.000	- / -	- / -	11 / 63.420	- / -	11 / 63.420	13 / 81.695	16 / 91.893	5 / 25.480	- / -	- / -	- / -
Total, Block 3i LRIP 2-5 Upgrade	*0 / 0.000*	*- / -*	*- / -*	*11 / 43.861*	*- / -*	*11 / 43.861*	*13 / 61.143*	*16 / 77.510*	*5 / 25.480*	*- / -*	*- / -*	*45 / 207.994*
Total Procurement, All Modifications	*0 / 0.000*	*- / -*	*- / -*	*11 / 43.861*	*- / -*	*11 / 43.861*	*13 / 61.143*	*16 / 77.510*	*5 / 25.480*	*- / -*	*- / -*	*45 / 207.994*
Support												
SIM/TRAINER	0 / 0.000	- / -	- / -	- / 6.396	- / -	- / 6.396	- / 6.588	- / -	- / -	- / -	- / -	- / 12.984
Mod of Spares	0 / 0.000	- / -	- / -	- / 13.163	- / -	- / 13.163	- / 13.964	- / 14.383	- / -	- / -	- / -	- / 41.510
Total Support, All Modifications	*0.000*	*-*	*-*	*19.559*	*-*	*19.559*	*20.552*	*14.383*	*-*	*-*	*-*	*54.494*
Total Procurement and Support	*0.000*	*-*	*-*	*63.420*	*-*	*63.420*	*81.695*	*91.893*	*25.480*	*-*	*-*	*262.488*
Block 3i LRIP 2-5 Upgrade Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	11 / 2.129	13 / 2.969	16 / 3.764	5 / 1.238	45 / 10.100
Total Installation Cost	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*11 / 2.129*	*13 / 2.969*	*16 / 3.764*	*5 / 1.238*	*45 / 10.100*
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**63.420**	**-**	**63.420**	**81.695**	**94.022**	**28.449**	**3.764**	**1.238**	**272.588**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F03500 - F-35 Modifications	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - Block 3i LRIP 2-5 Upgrade
Models of Systems Affected: F-35 CTOL	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207142F

Manufacturer Information: Block 3i LRIP 2-5 Upgrade

Manufacturer Name: Lockheed Martin	Manufacturer Location: Fort Worth
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 23

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	
Delivery Dates			Nov 2015	Nov 2016	Nov 2017	Nov 2018	

Installation: Block 3i LRIP 2-5 Upgrade	Method of Implementation: Contract Field Team	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 2.129	- / -	- / -	- / -	11 / 2.129
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 2.129	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 2.969	- / -	- / -	13 / 2.969
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 2.969	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 3.764	- / -	16 / 3.764
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 3.764	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.238	5 / 1.238
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 2.129	13 / 2.969	16 / 3.764	5 / 1.238	45 / 10.100
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 2.129	13 / 2.969	16 / 3.764	- / -	- / -

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	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	2	3	4	3	3	4	5	4	3	5	45
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	2	3	4	3	3	4	5	4	3	5	45

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F03500 - F-35 Modifications	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - Concurrency
Models of Systems Affected: F-35 CTOL	**Type Modification:** Other	**Related RDT&E PEs:** 0207142F

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)*	-	-	141.512	94.357	-	94.357	162.906	122.671	223.386	248.020	-	992.852
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	141.512	94.357	-	94.357	162.906	122.671	223.386	248.020	-	992.852
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**141.512**	**94.357**	**-**	**94.357**	**162.906**	**122.671**	**223.386**	**248.020**	**-**	**992.852**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 effort (MN-F3516) funds retrofits due to concurrency changes to correct deficiencies discovered after DD-250 of the last aircraft in a given Low Rate Initial Production (LRIP) lot. This includes modifications required to extend aircraft service life currently limited by low-life parts, and relieve capability limitations driven by concurrency of production with development.

The concurrency funding line will procure the highest priority modifications from the Tri-Service Modification Prioritization List, as soon as they become supportable from an engineering, production, and installation standpoint. The list is vetted by the Services and Partners every 6 months to ensure the list accurately reflects existing requirements as well as emerging issues. Per-kit costs will vary for each modification being implemented, and in some cases will also vary for aircraft from different LRIP lots to implement an individual modification. For FY14, the highest priority modifications will directly support Block 2B, USAF Ready for Training, and tactics development.

Total cost reflects procurement and installation costs.

Milestone/Development Status

Engineering Change Proposal (ECP) Award.
First Article Validation.
Completion of last aircraft installation.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F03500 - F-35 Modifications	**Modification Nomenclature** **(***Modification Number - Modification Title***):** 2 - Concurrency
Models of Systems Affected: F-35 CTOL	**Type Modification:** Other	**Related RDT&E PEs:** 0207142F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F03500 - F-35 Modifications	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - Concurrency
Models of Systems Affected: F-35 CTOL	**Type Modification:** Other	**Related RDT&E PEs:** 0207142F

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												
Concurrency												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	- / 141.512	- / 94.357	- / -	- / 94.357	- / 162.906	- / 122.671	- / 223.386	- / 248.020	- / -	- / 992.852
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / 141.512*	*- / 94.357*	*- / -*	*- / 94.357*	*- / 162.906*	*- / 122.671*	*- / 223.386*	*- / 248.020*	*- / -*	*- / 992.852*
Secondary Distribution												
AF	0 / 0.000	- / -	- / 141.512	- / 94.357	- / -	- / 94.357	- / 162.906	- / 122.671	- / 223.386	- / 248.020	- / -	- / -
Total, Concurrency	*0 / 0.000*	*- / -*	*- / 141.512*	*- / 94.357*	*- / -*	*- / 94.357*	*- / 162.906*	*- / 122.671*	*- / 223.386*	*- / 248.020*	*- / -*	*- / 992.852*
Total Procurement, All Modifications	*0 / 0.000*	*- / -*	*- / 141.512*	*- / 94.357*	*- / -*	*- / 94.357*	*- / 162.906*	*- / 122.671*	*- / 223.386*	*- / 248.020*	*- / -*	*- / 992.852*
Total Procurement and Support	*0.000*	*-*	*141.512*	*94.357*	*-*	*94.357*	*162.906*	*122.671*	*223.386*	*248.020*	*-*	*992.852*
Total Installation Cost	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**141.512**	**94.357**	**-**	**94.357**	**162.906**	**122.671**	**223.386**	**248.020**	**-**	**992.852**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	**P-1 Line Item Nomenclature:** F03500 - F-35 Modifications	**Modification Nomenclature** (*Modification Number - Modification Title*): 2 - Concurrency
Models of Systems Affected: F-35 CTOL	**Type Modification:** Other	**Related RDT&E PEs:** 0207142F

Manufacturer Information: Concurrency

Manufacturer Name: Lockheed Martin	Manufacturer Location: Fort Worth
Administrative Leadtime *(in Months)*: 0	Production Leadtime *(in Months)*: 0

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

Installation: Concurrency	**Method of Implementation:** Org/Intermediate	**Installation Quantity:** 0

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C00500 - C-5

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0401119F

MDAP/MAIS Code(s): 327

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)*	332.119	71.040	6.967	2.456	-	2.456	20.267	46.828	47.021	47.869	-	574.567
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	332.119	71.040	6.967	2.456	-	2.456	20.267	46.828	47.021	47.869	-	574.567
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**332.119**	**71.040**	**6.967**	**2.456**	**-**	**2.456**	**20.267**	**46.828**	**47.021**	**47.869**	**-**	**574.567**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 line item funds modifications to the C-5 aircraft. The four-engine C-5 carries outsized and heavy cargo (tanks, helicopters, etc.) between main operating bases. Additionally, the aircraft is capable of carrying 73 troops and 36 standard 463-L pallets. Modifications enhance operational capability while improving flight safety, reliability, and maintainability. Modifications budgeted and programmed are below. Projected allocations for reserve component requirements (modification kits and installation costs) are subject to total force mission priorities and aircraft availability. There are 95 C-5 aircraft in the Air Force fleet as of June 2012. The C-5 fleet was delivered to the Air Force from 1969 to 1989. Initial service life for the aircraft was 30,000 flight hours.

The Air Force plans to retire 59 C-5A aircraft, which will leave a total of 52 C-5B/C/M aircraft. Nine C-5A aircraft were retired in 2011 and seven aircraft were retired in 2012 as of 5 Jun 2012.

Funding for this exhibit contained in PE 0401119F.

This is an FY14 "New Start" for modification 8966, C-5 Mission Systems Equipment-Lavatory.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	36.587	6.967	2.456	-	2.456	20.267	46.828	43.831	46.249
AFNG	Quantity	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Nomenclature:
C00500 - C-5

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401119F

MDAP/MAIS Code(s): 327

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	-	-	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	34.453	-	-	-	-	-	-	3.190	1.620

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
COMPARTMENT FLOOR CORROSION PREVENTION	P40A		-	-	0.000	-	-	0.056	-	-	0.156	-	-	-	-	-	-	-	-	-
LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	P40A		-	-	308.736	-	-	62.489	-	-	-	-	-	-	-	-	-	-	-	-
Defensive System Installation	P40A		-	-	21.848	-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-
C-5 Fleet Blk Upgrade 01	P40A		-	-	0.000	-	-	7.600	-	-	6.362	-	-	-	-	-	-	-	-	-
C-5 Mission Systems Equipment- Lavatory	P40A		-	-	0.000	-	-	-	-	-	-	-	-	1.500	-	-	-	-	-	1.500
Mission Computer and Weather Radar	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	P40A		-	-	1.535	-	-	0.695	-	-	0.449	-	-	0.956	-	-	-	-	-	0.956
Total Gross/Weapon System Cost					**332.119**			**71.040**			**6.967**			**2.456**			**-**			**2.456**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
COMPARTMENT FLOOR CORROSION PREVENTION	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.212
LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	371.225
Defensive System Installation	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.048
C-5 Fleet Blk Upgrade 01	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.962
C-5 Mission Systems Equipment- Lavatory	P40A		-	-	4.240	-	-	3.990	-	-	3.482	-	-	1.620	-	-	-	-	-	14.832
Mission Computer and Weather Radar	P40A		-	-	15.043	-	-	42.251	-	-	42.806	-	-	44.749	-	-	-	-	-	144.849
LOW COST MODIFICATIONS	P40A		-	-	0.984	-	-	0.587	-	-	0.733	-	-	1.500	-	-	-	-	-	7.439

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Nomenclature:
C00500 - C-5

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401119F

MDAP/MAIS Code(s): 327

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Total Gross/Weapon System Cost					20.267			46.828			47.021			47.869			-			574.567

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C005M0 - C-5M

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0401119F

MDAP/MAIS Code(s): 327

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)*	672.717	851.470	944.819	1,021.967	-	1,021.967	334.749	-	-	-	-	3,825.722
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	672.717	851.470	944.819	1,021.967	-	1,021.967	334.749	-	-	-	-	3,825.722
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**672.717**	**851.470**	**944.819**	**1,021.967**	**-**	**1,021.967**	**334.749**	**-**	**-**	**-**	**-**	**3,825.722**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	116.175	117.186	131.933	-	131.933	-	-	-	-	-	365.294
Flyaway Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 line item funds modifications to the C-5 aircraft. The four-engine C-5 carries outsized and heavy cargo between main operating bases. Prior to FY11, funds were budgeted in the C-5 P-1 modifications line.

Funding for this exhibit contained in PE 0401119F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	851.470	685.289	321.353	-	321.353	70.286	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	259.530	700.614	-	700.614	264.463	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Nomenclature:
C005M0 - C-5M

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401119F

MDAP/MAIS Code(s): 327

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
6154 - C-5 Reliability Enhancment and Re-Engining Program	P3A		-	-	672.717	-	-	851.470	-	-	944.819	-	-	1,021.967	-	-	-	-	-	1,021.967
Total Gross/Weapon System Cost					**672.717**			**851.470**			**944.819**			**1,021.967**			**-**			**1,021.967**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
6154 - C-5 Reliability Enhancment and Re-Engining Program	P3A		-	-	334.749	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,825.722
Total Gross/Weapon System Cost					**334.749**			**-**			**-**			**-**			**-**			**3,825.722**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C005M0 - C-5M	**Modification Nomenclature (*Modification Number - Modification Title*):** 6154 - C-5 Reliability Enhancment and Re-Engining Program
Models of Systems Affected: C-5B/C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401119F

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)*	672.717	851.470	944.819	1,021.967	-	1,021.967	334.749	-	-	-	-	3,825.722
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	672.717	851.470	944.819	1,021.967	-	1,021.967	334.749	-	-	-	-	3,825.722
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**672.717**	**851.470**	**944.819**	**1,021.967**	**-**	**1,021.967**	**334.749**	**-**	**-**	**-**	**-**	**3,825.722**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	116.175	117.186	131.933	-	131.933	-	-	-	-	-	365.294
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

C-5 Reliability Enhancement and Re-engining Program (RERP) is a comprehensive modernization effort to improve aircraft reliability, maintainability and availability. This effort centers around replacing the current TF39 engines with more reliable, commercial off-the-shelf CF6 turbofan engines. The RERP modification increases payload capability and access to communication, navigation, surveillance/air traffic management (CNS/ATM) airspace through core mission computer (CMC), radar, and other Air Force (AF) bolt-ons like mode 5 identification, friend or foe (IFF), aircraft communication addressing and reporting system (ACARS), and replaces malfunction analysis detection and recording system (MADARS)with Embedded Diagnostic Systems (EDS), etc. The modification also decreases aircraft time-to-climb, increases engine-out climb gradient for takeoff, improves transportation system throughput and decreases engine removals. On 7 Oct 10, the USD(AT&L) Acquisition Board directed the Air Force to fully fund RERP to the OSD cost assessment and program evaluation independent cost estimate for RDT&E; and re-designated C-5 RERP as an acquisition category IC program.

"Interim contractor support (ICS)" and "Equipment" costs include sustainment tasks for RERP peculiar systems, subsystems and/or components of the C-5M, to include the following: diminishing manufacturing source (DMS) costs for the identification, review, and monitoring of items with high DMS risk potential, classification of identified items according to criticality and expected obsolescence date, identification of alternatives for items having high DMS risks and non-recurring engineering (NRE)/replacement costs for DMS components. Additionally, "ICS" and "Equipment" includes NRE/replacement costs for equipment updates designed to increase availability and maintainability of components as identified during the fiscal year. Equipment DMS issues will be resolved to support continued operations through bridge buys, life-of-type buys, development, and redesign efforts.

"Change Orders" also include funding for over-and-above repairs of legacy aircraft components required to complete the C-5 RERP modification.

"Sim/Trainer" includes funding for the modification and enhancement of aircrew and maintenance training devices.

Initial spares funding in FY12-14 was moved to initial spares in BA-06.

This program has associated RDT&E funding in PE 0401119F.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C005M0 - C-5M	**Modification Nomenclature (*Modification Number - Modification Title*):** 6154 - C-5 Reliability Enhancment and Re-Engining Program
Models of Systems Affected: C-5B/C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401119F

Beginning in FY11, C-5 RERP was established as a separate P-1 rather than being included with all C-5 modifications. This has created an anomoly wherein kit procurements in FY10 were not installed until FY11. For purposes of documentation, only 4 aircraft kits are identified in the aircraft breakdown section as being procured and installed prior to FY11. Similarily, this P3A only reflects that 45 aircraft kits were procured and installed in FY11 until completion.

The total production program aircraft installation breakdown is: Active 33, Reserve 16, Guard 0, Total 49. Allocations are subject to Total Force priorities and demand.

Milestone/Development Status

The three production representative C-5Ms developed in system development demonstration completed qualification operational test and evaluation (QOT&E) on 11 Jan 10. Development efforts in FY12/FY13 will focus on the correction of deficiencies from OT&E. Additionally, a portion of avionics capability not complete at the end of AMP has been incorporated into the RERP baseline.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C005M0 - C-5M	**Modification Nomenclature (*Modification Number - Modification Title*):** 6154 - C-5 Reliability Enhancment and Re-Engining Program
Models of Systems Affected: C-5B/C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401119F

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)*
RDT&E PE #												
0401119F	0 / 54.418	- / 12.941	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 67.359
Procurement												
C-5 Reliability Enhancment and Re-Engining Program												
B Kits												
Recurring												
EQUIPMENT Group B (Active)	12 / 332.098	11 / 545.469	6 / 311.436	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 1,189.003
EQUIPMENT Group B (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
EQUIPMENT Group B (Reserve)	0 / 0.000	- / -	5 / 259.530	11 / 576.744	- / -	11 / 576.744	- / 33.726	- / -	- / -	- / -	- / -	16 / 870.000
Subtotal Recurring	*12 / 332.098*	*11 / 545.469*	*11 / 570.966*	*11 / 576.744*	*- / -*	*11 / 576.744*	*- / 33.726*	*- / -*	*- / -*	*- / -*	*- / -*	*45 / 2,059.003*
Secondary Distribution												
AF	12 / 561.794	11 / 723.112	6 / 463.411	- / 172.708	- / -	- / 172.708	- / 70.286	- / -	- / -	- / -	- / -	- / -
AFNG	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
AFR	0 / 0.000	- / -	5 / 259.530	11 / 576.744	- / -	11 / 576.744	- / 33.726	- / -	- / -	- / -	- / -	- / -
Total, C-5 Reliability Enhancment and Re-Engining Program	*12 / 332.098*	*11 / 545.469*	*11 / 570.966*	*11 / 576.744*	*- / -*	*11 / 576.744*	*- / 33.726*	*- / -*	*- / -*	*- / -*	*- / -*	*45 / 2,059.003*
Total Procurement, All Modifications	*12 / 332.098*	*11 / 545.469*	*11 / 570.966*	*11 / 576.744*	*- / -*	*11 / 576.744*	*- / 33.726*	*- / -*	*- / -*	*- / -*	*- / -*	*45 / 2,059.003*
Support												
CHANGE ORDERS	0 / 39.258	- / 50.972	- / 63.567	- / 87.236	- / -	- / 87.236	- / 48.075	- / -	- / -	- / -	- / -	- / 289.108
SIM/TRAINER	0 / 0.000	4 / 45.073	1 / 5.202	1 / 5.000	- / -	1 / 5.000	- / -	- / -	- / -	- / -	- / -	6 / 55.275
SUPPORT- EQUIP	0 / 5.052	- / 6.581	- / 7.008	- / 5.000	- / -	- / 5.000	- / 2.000	- / -	- / -	- / -	- / -	- / 25.641
A&AS	0 / 1.807	- / 2.320	- / 2.791	- / 2.740	- / -	- / 2.740	- / 2.877	- / -	- / -	- / -	- / -	- / 12.535
GFE	0 / 9.512	- / 32.401	- / 33.818	- / 28.744	- / -	- / 28.744	- / 3.488	- / -	- / -	- / -	- / -	- / 107.963
ICS-Labor	0 / 27.595	- / 24.989	- / 23.954	- / 26.475	- / -	- / 26.475	- / 6.618	- / -	- / -	- / -	- / -	- / 109.631
ICS-Material	0 / 14.098	- / 12.766	- / 12.237	- / 13.525	- / -	- / 13.525	- / 3.382	- / -	- / -	- / -	- / -	- / 56.008
PMA - Contractor Services	0 / 1.176	- / 0.849	- / 0.856	- / 0.991	- / -	- / 0.991	- / 0.915	- / -	- / -	- / -	- / -	- / 4.787
PMA - Other Gov't Costs	0 / 1.487	- / 1.540	- / 2.481	- / 2.894	- / -	- / 2.894	- / 2.931	- / -	- / -	- / -	- / -	- / 11.333
Install Spares	0 / 128.655	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 128.655
OTHER GOVT	0 / 1.056	- / 0.152	- / 0.061	- / 0.103	- / -	- / 0.103	- / -	- / -	- / -	- / -	- / -	- / 1.372
Total Support, All Modifications	*229.696*	*177.643*	*151.975*	*172.708*	*-*	*172.708*	*70.286*	*-*	*-*	*-*	*-*	*802.308*
Total Procurement and Support	*561.794*	*723.112*	*722.941*	*749.452*	*-*	*749.452*	*104.012*	*-*	*-*	*-*	*-*	*2,861.311*

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C005M0 - C-5M	**Modification Nomenclature (*Modification Number - Modification Title*):** 6154 - C-5 Reliability Enhancment and Re-Engining Program
Models of Systems Affected: C-5B/C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401119F

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)*
C-5 Reliability Enhancment and Re-Engining Program Installation Cost	5 / 110.923	7 / 128.358	11 / 221.878	11 / 272.515	- / -	11 / 272.515	11 / 230.737	- / -	- / -	- / -	- / -	45 / 964.411
Total Installation Cost	*5 / 110.923*	*7 / 128.358*	*11 / 221.878*	*11 / 272.515*	- / -	*11 / 272.515*	*11 / 230.737*	- / -	- / -	- / -	- / -	*45 / 964.411*
Total Cost (Procurement + Support + Installation)	**672.717**	**851.470**	**944.819**	**1,021.967**	**-**	**1,021.967**	**334.749**	**-**	**-**	**-**	**-**	**3,825.722**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C005M0 - C-5M	**Modification Nomenclature (*Modification Number - Modification Title*):** 6154 - C-5 Reliability Enhancment and Re-Engining Program
Models of Systems Affected: C-5B/C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401119F

Manufacturer Information: C-5 Reliability Enhancment and Re-Engining Program

Manufacturer Name: Lockheed Martin	Manufacturer Location: Marietta, Georgia
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	Oct 2013				
Delivery Dates	Oct 2012	Oct 2013	Oct 2014				

Installation: C-5 Reliability Enhancment and Re-Engining Program	**Method of Implementation:** Contractor Facility	**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	5 / 110.923	7 / 128.358	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	12 / 239.281
Secondary Distribution - Air Force Active	5 / 110.923	7 / 128.358	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	11 / 221.878	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 221.878
Secondary Distribution - Air Force Active	- / -	- / -	11 / 221.878	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	11 / 272.515	- / -	11 / 272.515	- / -	- / -	- / -	- / -	- / -	11 / 272.515
Secondary Distribution - Air Force Active	- / -	- / -	- / -	6 / 148.645	- / -	6 / 148.645	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	5 / 123.870	- / -	5 / 123.870	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	11 / 230.737	- / -	- / -	- / -	- / -	11 / 230.737
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	11 / 230.737	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	5 / 110.923	7 / 128.358	11 / 221.878	11 / 272.515	- / -	11 / 272.515	11 / 230.737	- / -	- / -	- / -	- / -	45 / 964.411
Secondary Distribution - Air Force Active	5 / 110.923	7 / 128.358	11 / 221.878	6 / 148.645	- / -	6 / 148.645	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	5 / 123.870	- / -	5 / 123.870	11 / 230.737	- / -	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C005M0 - C-5M	**Modification Nomenclature (*Modification Number - Modification Title*):** 6154 - C-5 Reliability Enhancment and Re-Engining Program
Models of Systems Affected: C-5B/C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401119F

Installation: C-5 Reliability Enhancment and Re-Engining Program	Method of Implementation: Contractor Facility	Installation Name:

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	5	1	2	2	2	2	3	3	3	2	3	3	3	3	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	45
Out	0	-	-	-	1	2	1	3	3	3	3	3	3	2	3	3	3	2	3	3	3	1	-	-	-	-	-	-	-	-	45

Exhibit P-40 Advance Procurement, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Nomenclature:
C005M0 - C-5M

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401119F

MDAP/MAIS Code(s): 327

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)*	0.000	112.200	175.800	-	-	-	-	-	-	-	-	288.000
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	112.200	175.800	-	-	-	-	-	-	-	-	288.000
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**112.200**	**175.800**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**288.000**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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

FY 2014 OCO Request will be submitted at a later date

Description:

Advance procurement (AP) funds support the procurement of long-lead components in support of reliability enhancement and re-engining program (RERP) modification #6154. See the P3A for that modification to obtain a full description/justification of the requirement. Equipment diminishing manufacturing source issues for the long-lead components will be resolved by use of these funds to support continued operations through bridge buys, life-of-type buys, development, and redesign efforts. Projected allocations by component are subject to total force mission priorities and aircraft availability. The requirement for the total production program aircraft breakdown is: Active 33, Reserve 16, Guard 0, Total 49.

FY13 AP requirements supported funding to procure long-lead components for 11 modification kits (LOT 7).

This document presents FY12 - FY13 C-5 RERP AP funding data in P-1 Line #40. FY07 - FY11 C-5 AP funding data are located in P-1 Line #42.

Funding for this exhibit contained in PE 0401119F.

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
40 - C-5 RERP AP	P10		-	0	0.000	-	7	112.200	-	11	175.800	-	-	-	-	-	-	-	-	-

Exhibit P-40 Advance Procurement, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Nomenclature:
C005M0 - C-5M

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401119F

MDAP/MAIS Code(s): 327

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Total Gross/Weapon System Cost					**0.000**			**112.200**			**175.800**			**-**			**-**			**-**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
40 - C-5 RERP AP	P10		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	288.000
Total Gross/Weapon System Cost					**-**			**-**			**-**			**-**			**-**			**288.000**

*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:
No FY14 funding requested.

Exhibit P-10, Advance Procurement Requirements Analysis (*page 1 - Budget Funding Justification*): PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C005M0 - C-5M	**Item Nomenclature (*Item Number, Item Name*):** 40 - C-5 RERP AP

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

First System (2014) Award Date:	First System (2014) Completion Date:	Interval Between Systems:
October 2011	August 2014	0 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	7	11	-	-	-	-	-	-	18

Description:
Advance procurement (AP) funds support the procurement of long-lead components in support of reliability enhancement and re-engining program (RERP) modification #6154. See the P3A for that modification to obtain a full description/justification of the requirement. Equipment diminishing manufacturing source issues for the long-lead components will be resolved by use of these funds to support continued operations through bridge buys, life-of-type buys, development, and redesign efforts. Projected allocations by component are subject to total force mission priorities and aircraft availability. The requirement for the total program aircraft breakdown is: Active 33, Reserve 16, Guard 0, Total 49.

FY13 AP requirements supported funding to procure long-lead components for 11 modification kits (LOT 7).

No FY14 funding requested.

This document presents FY12 - FY13 C-5 RERP AP funding data in P-1 Line #40. FY07 - FY11 C-5 AP funding data are located in P-1 Line #42.

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)
CFE												
Equipment	-	-	0.000	112.200	175.800	-	-	-	-	-	-	288.000
CFE Subtotal			*0.000*	*112.200*	*175.800*	*-*	*-*	*-*	*-*	*-*	*-*	*288.000*
Total Advance Procurement/Obligation Authority			**0.000**	**112.200**	**175.800**	**-**	**-**	**-**	**-**	**-**	**-**	**288.000**

Exhibit P-10, Advance Procurement Requirements Analysis (*page 2 - Budget Funding Justification*): PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C005M0 - C-5M	**Item Nomenclature (*Item Name, Item Number*):** 40 - C-5 RERP AP

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

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

		FY 2014				
Cost Elements	**QPA** *(Each)*	**Procurement Leadtime** *(Months)*	**Unit Cost** *($ M)*	**Qty** *(Each)*	**Contract Forecast Date**	**Total Cost Request** *($ M)*
CFE						
Equipment	-	-	-	-		-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C009C0 - C-9C

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401314F, 0504324F

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)*	0.010	0.009	-	-	-	-	-	-	-	-	-	0.019
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.010	0.009	-	-	-	-	-	-	-	-	-	0.019
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.010**	**0.009**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.019**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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

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

Description:

This line item funds low-cost modifications and service bulletins for the C-9 aircraft, commercial equivalent to the DC-9. The C-9 aircraft is a twin-turbofan engine aircraft used for cargo and passenger airlift over medium ranges (2,000 miles). Service bulletins are necessary for continuing FAA certification while improving flight safety, reliability, and maintainability.

Funding for this exhibit contained in PE 0401314F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.009	-	-	-	-	-	-	-	-

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
SERVICE BULLETINS	P40A		-	-	0.005	-	-	0.005	-	-	-	-	-	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	P40A		-	-	0.005	-	-	0.004	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Nomenclature:
C009C0 - C-9C

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401314F, 0504324F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Total Gross/Weapon System Cost					**0.010**			**0.009**			**-**			**-**			**-**			**-**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
SERVICE BULLETINS	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.010
LOW COST MODIFICATIONS	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.009
Total Gross/Weapon System Cost					**-**			**-**			**-**			**-**			**-**			**0.019**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0401130F, 0401897F, 0401134F

MDAP/MAIS Code(s): 200

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)*	2,140.836	174.742	205.079	143.197	-	143.197	150.006	141.193	176.220	182.142	1,083.253	4,396.668
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	2,140.836	174.742	205.079	143.197	-	143.197	150.006	141.193	176.220	182.142	1,083.253	4,396.668
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**2,140.836**	**174.742**	**205.079**	**143.197**	**-**	**143.197**	**150.006**	**141.193**	**176.220**	**182.142**	**1,083.253**	**4,396.668**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	0.087	0.843	0.815	2.975	-	2.975	3.094	4.408	4.497	3.960	2.552	23.231
Flyaway Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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

FY 2014 OCO Request will be submitted at a later date

Description:

This line item funds modifications to the C-17 aircraft. The four engine C-17 is the only aircraft capable of routine delivery of outsize cargo (tanks, helicopters, etc.) to short, austere airfields. The aircraft can carry up to 102 troops, 36 litter patients, or 18 standard 463-L pallets. The Air Force C-17 inventory is 222 aircraft with a designated service life of 30 years. The average service life remaining is currently 20.6 years. Major C-17 modifications in FY14 include Pylon Stub Flammable Fluid Leakage Zone (FFLZ) Fixed Fairing (FF) Translating Fairing, Military Flight Operations Quality Assurance (MFOQA), Block 13-17 Retrofit, Identification Friend or Foe Global Air Traffic Management (IFF GATM) Mode 5, On Board Inert Gas Generating System (OBIGGS) II, and Extended Range/OBIGGS II.

Funding for this exhibit is contained in PE 0401130F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	162.779	171.266	103.637	-	103.637	99.864	139.208	173.954	163.714
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.774	12.546	31.907	-	31.907	22.209	1.985	0.933	17.627
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	6.189	21.267	7.653	-	7.653	27.933	-	1.333	0.801

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Nomenclature:
C01700 - C-17A

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401130F, 0401897F, 0401134F

MDAP/MAIS Code(s): 200

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
ELT Frequency Change	P40A		-	-	1.340	-	-	0.689	-	-	0.753	-	-	-	-	-	-	-	-	-
Replacement Heads Up Display (RHUD)	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-17 Sim Threat Generator	P40A		-	-	0.095	-	-	-	-	-	11.697	-	-	-	-	-	-	-	-	-
NEXT GEN CNS/ATM	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	P40A		-	-	1,313.691	-	-	14.404	-	-	-	-	-	-	-	-	-	-	-	-
ILS Identification and Flight Control Computer Updates	P40A		-	-	0.000	-	-	0.788	-	-	5.467	-	-	3.824	-	-	-	-	-	3.824
LOW COST MODIFICATIONS	P40A		-	-	2.127	-	-	1.452	-	-	0.100	-	-	0.100	-	-	-	-	-	0.100
2000 - Pylon Stub FFLZ, FF, Translating Fairing	P3A		-	-	16.417	-	-	12.507	-	-	19.337	-	-	24.599	-	-	-	-	-	24.599
2633 - MFOQA	P3A		-	-	1.131	-	-	1.954	-	-	4.772	-	-	5.150	-	-	-	-	-	5.150
8962 - Block 13 to 17 Retrofit	P3A		-	-	604.878	-	-	41.572	-	-	155.475	-	-	57.344	-	-	-	-	-	57.344
1508 - IFF GATM Mode 5	P3A		-	-	-	-	-	5.703	-	-	7.310	-	-	14.074	-	-	-	-	-	14.074
6402 - OBIGGS II	P3A		-	-	61.847	-	-	15.243	-	-	-	-	-	11.093	-	-	-	-	-	11.093
6412 - Extended Range Retrofit/OBIGGS II	P3A		-	-	139.310	-	-	80.430	-	-	0.168	-	-	27.013	-	-	-	-	-	27.013
Total Gross/Weapon System Cost					**2,140.836**			**174.742**			**205.079**			**143.197**			**-**			**143.197**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
ELT Frequency Change	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.782
Replacement Heads Up Display (RHUD)	P40A		-	-	2.783	-	-	24.678	-	-	28.265	-	-	22.400	-	-	117.470	-	-	195.596
C-17 Sim Threat Generator	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.792
NEXT GEN CNS/ATM	P40A		-	-	0.071	-	-	14.966	-	-	20.723	-	-	8.118	-	-	4.163	-	-	48.041
LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,328.095
ILS Identification and Flight Control Computer Updates	P40A		-	-	3.977	-	-	4.136	-	-	5.219	-	-	-	-	-	-	-	-	23.411

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Nomenclature:
C01700 - C-17A

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401130F, 0401897F, 0401134F

MDAP/MAIS Code(s): 200

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
LOW COST MODIFICATIONS	P40A		-	-	2.000	-	-	2.000	-	-	2.000	-	-	0.100	-	-	-	-	-	9.879
2000 - Pylon Stub FFLZ, FF, Translating Fairing	P3A		-	-	18.228	-	-	4.742	-	-	3.206	-	-	-	-	-	-	-	-	99.036
2633 - MFOQA	P3A		-	-	4.113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.120
8962 - Block 13 to 17 Retrofit	P3A		-	-	44.550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	903.819
1508 - IFF GATM Mode 5	P3A		-	-	19.591	-	-	20.603	-	-	22.696	-	-	22.617	-	-	18.192	-	-	130.786
6402 - OBIGGS II	P3A		-	-	12.350	-	-	17.801	-	-	19.570	-	-	33.666	-	-	276.185	-	-	447.755
6412 - Extended Range Retrofit/OBIGGS II	P3A		-	-	42.343	-	-	52.267	-	-	74.541	-	-	95.241	-	-	667.243	-	-	1,178.556
Total Gross/Weapon System Cost					**150.006**			**141.193**			**176.220**			**182.142**			**1,083.253**			**4,396.668**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 2000 - Pylon Stub FFLZ, FF, Translating Fairing
Models of Systems Affected: C-17	**Type Modification:** Safety	**Related RDT&E PEs:** 0401130F

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)*	16.417	12.507	19.337	24.599	-	24.599	18.228	4.742	3.206	-	-	99.036
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	16.417	12.507	19.337	24.599	-	24.599	18.228	4.742	3.206	-	-	99.036
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**16.417**	**12.507**	**19.337**	**24.599**	**-**	**24.599**	**18.228**	**4.742**	**3.206**	**-**	**-**	**99.036**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 retrofit project consists of seven separate projects done concurrently to save labor hours and to reduce cost and schedule risk. This project retrofits 130 C-17 aircraft (P1-P72 & P74-P131) for multiple actions to the pylon stub, fixed fairing, translating fairing, and wing leading edge.

The first project is correction of the Flammable Fluid Leakage Zone (FFLZ) areas of the pylon stub, fixed and translating fairings, and the wing leading edge. Drainage and ventilation improvements to these FFLZ areas must be accomplished in order to resolve safety and crisis management team issues. Development and production cut-in at P103 of the FFLZ fixes was done under NC039630 using Boeing sustainment funds. Since retrofit of the FFLZ fixes requires removal and disassembly of the fixed and translating fairings, significant synergy and a major reduction in risk is achieved by combining retrofit projects.

The second project is the retrofit of a new titanium fixed fairing (FF) designed to resolve maintenance and dropped object issues. High temperatures and acoustic loads have led to significant problems with the existing aluminum design. Development of the fixed fairing was done under Contract Change Proposal (CCP)-441 using Material Improvement Program (MIP) Implementation funds, and production cut-in at P132 was done under CCP-484 using production funds.

The third project is incorporation of the new translating fairing slider bearings. Development and production cut-in at P74 of the bearings was accomplished under CCP-357 and 359 respectively using MIP implementation funds. The two forward slider bearings were previously retrofit; this project completes the retrofit by correcting the aft slider bearing.

The fourth project in the retrofit program is replacement of translating fairing rivets, which have also led to multiple dropped object incidents. The new rivets were cut-in at P102 under NC044304 using Boeing sustaining funds. The original concept for retrofit was to rework existing fairings. However, a trade study revealed that reworked fairings cost 86% of the cost of new fairings. Therefore, rivet replacement will be accomplished indirectly by purchasing new translating fairings instead of reworking existing fairings.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 2000 - Pylon Stub FFLZ, FF, Translating Fairing
Models of Systems Affected: C-17	**Type Modification:** Safety	**Related RDT&E PEs:** 0401130F

Three minor additional changes (FC057675 - Fixed Fairing Seal, MC059853 - Fairing Assembly Lower-pylon Wing, and NC060372 - Translating Wing Stub Fairing Assembly) were included to remain compatible with the current production configuration. The retrofit configuration is the current production configuration.

All 130 installs of Pylon Stub FFLZ are scheduled to be complete by FY17.

Funding may be used to alleviate Diminishing Manufacturing Sources (DMS) issues.

In calendar year 2013, 4 aircraft will be reassigned from the active force to the Air National Guard increasing their allocation to 22.

Project allocations by component are subject to total force mission priorities and aircraft availability:

Milestone/Development Status

Development complete

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 2000 - Pylon Stub FFLZ, FF, Translating Fairing
Models of Systems Affected: C-17	**Type Modification:** Safety	**Related RDT&E PEs:** 0401130F

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												
Pylon Stub FFLZ, FF, Translating Fairing												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	30 / 14.718	30 / 11.131	24 / 17.093	14 / 9.769	- / -	14 / 9.769	- / -	- / -	- / -	- / -	- / -	98 / 52.711
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	- / -	15 / 10.503	- / -	15 / 10.503	7 / 5.548	- / -	- / -	- / -	- / -	22 / 16.051
INSTALL KITS Group A (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	10 / 7.925	- / -	- / -	- / -	- / -	10 / 7.925
Subtotal Recurring	*30 / 14.718*	*30 / 11.131*	*24 / 17.093*	*29 / 20.272*	*- / -*	*29 / 20.272*	*17 / 13.473*	*- / -*	*- / -*	*- / -*	*- / -*	*130 / 76.687*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.500
Subtotal Non-Recurring	*0 / 1.500*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.500*
Secondary Distribution												
AF	30 / 16.218	30 / 11.131	24 / 17.093	14 / 9.769	- / -	14 / 9.769	- / 0.869	- / 0.904	- / 0.940	- / -	- / -	- / -
AFNG	0 / 0.000	- / -	- / -	15 / 10.503	- / -	15 / 10.503	7 / 5.548	- / -	- / -	- / -	- / -	- / -
AFR	0 / 0.000	- / -	- / -	- / -	- / -	- / -	10 / 7.925	- / -	- / -	- / -	- / -	- / -
Total, Pylon Stub FFLZ, FF, Translating Fairing	*30 / 16.218*	*30 / 11.131*	*24 / 17.093*	*29 / 20.272*	*- / -*	*29 / 20.272*	*17 / 13.473*	*- / -*	*- / -*	*- / -*	*- / -*	*130 / 78.187*
Total Procurement, All Modifications	*30 / 16.218*	*30 / 11.131*	*24 / 17.093*	*29 / 20.272*	*- / -*	*29 / 20.272*	*17 / 13.473*	*- / -*	*- / -*	*- / -*	*- / -*	*130 / 78.187*
Support												
OTHER GOVT	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.869	- / 0.904	- / 0.940	- / -	- / -	- / 2.713
Total Support, All Modifications	*0.000*	*-*	*-*	*-*	*-*	*-*	*0.869*	*0.904*	*0.940*	*-*	*-*	*2.713*
Total Procurement and Support	*16.218*	*11.131*	*17.093*	*20.272*	*-*	*20.272*	*14.342*	*0.904*	*0.940*	*-*	*-*	*80.900*
Pylon Stub FFLZ, FF, Translating Fairing Installation Cost	1 / 0.199	9 / 1.376	15 / 2.244	30 / 4.327	- / -	30 / 4.327	29 / 3.886	29 / 3.838	17 / 2.266	- / -	- / -	130 / 18.136
Total Installation Cost	*1 / 0.199*	*9 / 1.376*	*15 / 2.244*	*30 / 4.327*	*- / -*	*30 / 4.327*	*29 / 3.886*	*29 / 3.838*	*17 / 2.266*	*- / -*	*- / -*	*130 / 18.136*
Total Cost (Procurement + Support + Installation)	**16.417**	**12.507**	**19.337**	**24.599**	**-**	**24.599**	**18.228**	**4.742**	**3.206**	**-**	**-**	**99.036**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 2000 - Pylon Stub FFLZ, FF, Translating Fairing
Models of Systems Affected: C-17	**Type Modification:** Safety	**Related RDT&E PEs:** 0401130F

Manufacturer Information: Pylon Stub FFLZ, FF, Translating Fairing

Manufacturer Name: The Boeing Company	Manufacturer Location: Long Beach, CA
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 24

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

Installation: Pylon Stub FFLZ, FF, Translating Fairing	Method of Implementation: Contractor Facility	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 / 0.199	9 / 1.376	15 / 2.244	5 / 0.721	- / -	5 / 0.721	- / -	- / -	- / -	- / -	0 / 0.000	30 / 4.540
Secondary Distribution - Air Force Active	1 / 0.199	9 / 1.376	15 / 2.244	5 / 0.721	- / -	5 / 0.721	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	25 / 3.606	- / -	25 / 3.606	5 / 0.670	- / -	- / -	- / -	- / -	30 / 4.276
Secondary Distribution - Air Force Active	- / -	- / -	- / -	25 / 3.606	- / -	25 / 3.606	5 / 0.670	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	24 / 3.216	- / -	- / -	- / -	- / -	24 / 3.216
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	24 / 3.216	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 3.838	- / -	- / -	- / -	29 / 3.838
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 1.853	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 1.985	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 2.266	- / -	- / -	17 / 2.266
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.933	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.333	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.199	9 / 1.376	15 / 2.244	30 / 4.327	- / -	30 / 4.327	29 / 3.886	29 / 3.838	17 / 2.266	- / -	- / -	130 / 18.136
Secondary Distribution - Air Force Active	1 / 0.199	9 / 1.376	15 / 2.244	30 / 4.327	- / -	30 / 4.327	29 / 3.886	14 / 1.853	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 2000 - Pylon Stub FFLZ, FF, Translating Fairing
Models of Systems Affected: C-17	**Type Modification:** Safety	**Related RDT&E PEs:** 0401130F

Installation: Pylon Stub FFLZ, FF, Translating Fairing | **Method of Implementation:** Contractor Facility | **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)*
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 1.985	7 / 0.933	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.333	- / -	- / -	- / -

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	2	3	3	3	4	4	4	7	7	8	8	7	7	7	8	7	7	7	8	7	7	3	-	-	-	-	-	-	130
Out	1	-	1	2	3	3	3	4	4	4	7	7	8	8	7	7	7	8	7	7	7	8	7	7	3	-	-	-	-	-	130

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 2633 - MFOQA
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

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)*	1.131	1.954	4.772	5.150	-	5.150	4.113	-	-	-	-	17.120
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1.131	1.954	4.772	5.150	-	5.150	4.113	-	-	-	-	17.120
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1.131**	**1.954**	**4.772**	**5.150**	**-**	**5.150**	**4.113**	**-**	**-**	**-**	**-**	**17.120**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 overall goal of the Military Flight Operations Quality Assurance (MFOQA) effort is to collect and record a number of C-17 flight parameters and quickly retrieve and analyze them for operational safety trends. Minimal impact to the existing C-17 configuration and ease and speed of data retrieval are objectives of this effort. Crash survivability of the memory is not a requirement. Redundancy to maintain operation in the event of an in-flight failure is not a requirement.

Funding allocated in FY08-FY09 from the Safety Center (PE 901212F) provided modification kits to the C-17 to improve its data collection systems. FY11-15 C-17 funds will be used for installs and additional kits. These upgrades will be software upgrades as well as hardware updates to the Data Acquisition System.

204 kits were procured with Safety Center (P-1 line#, OTHACF) funds and 19 kits for a total of 223 kits. One kit purchased with Safety Center funding was reserved for P73, the Elmendorf AFB aircraft that crashed, and cannot be utilized for other retrofit efforts.

Installs are performed at Boeing Support Systems San Antonio, at WR-ALC and at Boeing Long Beach.

All 222 installs are scheduled to be completed by CY15.

The C-17 budget includes funds for the procurement of diminishing manufacturing sources (DMS).

In calendar year 2013, 4 aircraft will be reassigned from the active force to the Air National Guard increasing their allocation to 22.

Projected allocations by component are subject to total force mission priorities and aircraft availability:

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 2633 - MFOQA
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

Milestone/Development Status

Development Complete

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 2633 - MFOQA
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

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)*
RDT&E PE #												
0401130F	0 / 3.607	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.607
Procurement												
MFOQA												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	183 / 0.253	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	183 / 0.253
INSTALL KITS Group A (Guard)	22 / 0.127	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 0.127
INSTALL KITS Group A (Reserve)	18 / 0.222	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.222
Subtotal Recurring	*223 / 0.602*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*223 / 0.602*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.275
Subtotal Non-Recurring	*0 / 0.275*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 0.275*
Secondary Distribution												
AF	183 / 0.782	- / -	- / 0.012	- / 0.012	- / -	- / 0.012	- / 0.013	- / -	- / -	- / -	- / -	- / -
AFNG	22 / 0.127	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
AFR	18 / 0.222	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total, MFOQA	*223 / 0.877*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*223 / 0.877*
Total Procurement, All Modifications	*223 / 0.877*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*223 / 0.877*
Support												
OTHER GOVT	0 / 0.254	- / -	- / 0.012	- / 0.012	- / -	- / 0.012	- / 0.013	- / -	- / -	- / -	- / -	- / 0.291
Total Support, All Modifications	*0.254*	-	*0.012*	*0.012*	-	*0.012*	*0.013*	-	-	-	-	*0.291*
Total Procurement and Support	*1.131*	-	*0.012*	*0.012*	-	*0.012*	*0.013*	-	-	-	-	*1.168*
MFOQA Installation Cost	0 / 0.000	34 / 1.954	68 / 4.760	68 / 5.138	- / -	68 / 5.138	52 / 4.100	- / -	- / -	- / -	- / -	222 / 15.952
Total Installation Cost	*0 / 0.000*	*34 / 1.954*	*68 / 4.760*	*68 / 5.138*	- / -	*68 / 5.138*	*52 / 4.100*	- / -	- / -	- / -	- / -	*222 / 15.952*
Total Cost (Procurement + Support + Installation)	**1.131**	**1.954**	**4.772**	**5.150**	**-**	**5.150**	**4.113**	**-**	**-**	**-**	**-**	**17.120**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 2633 - MFOQA
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

Manufacturer Information: MFOQA

Manufacturer Name: The Boeing Company	Manufacturer Location: Long Beach, CA
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 14

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

Installation: MFOQA	Method of Implementation: Contractor Facility	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	- / -	34 / 1.954	68 / 4.760	68 / 5.138	- / -	68 / 5.138	52 / 4.100	- / -	- / -	- / -	0 / 0.000	222 / 15.952
Secondary Distribution - Air Force Active	- / -	34 / 1.954	68 / 4.760	50 / 3.778	- / -	50 / 3.778	30 / 2.366	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	18 / 1.360	- / -	18 / 1.360	4 / 0.315	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	18 / 1.419	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	34 / 1.954	68 / 4.760	68 / 5.138	- / -	68 / 5.138	52 / 4.100	- / -	- / -	- / -	- / -	222 / 15.952
Secondary Distribution - Air Force Active	- / -	34 / 1.954	68 / 4.760	50 / 3.778	- / -	50 / 3.778	30 / 2.366	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	18 / 1.360	- / -	18 / 1.360	4 / 0.315	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	18 / 1.419	- / -	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 2633 - MFOQA
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

Installation: MFOQA	Method of Implementation: Contractor Facility	Installation Name:

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	0	8	8	9	9	17	17	17	17	17	17	17	17	13	13	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	222
Out	0	-	8	8	9	9	17	17	17	17	17	17	17	17	13	13	13	13	-	-	-	-	-	-	-	-	-	-	-	-	222

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 8962 - Block 13 to 17 Retrofit
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

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)*	604.878	41.572	155.475	57.344	-	57.344	44.550	-	-	-	-	903.819
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	604.878	41.572	155.475	57.344	-	57.344	44.550	-	-	-	-	903.819
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**604.878**	**41.572**	**155.475**	**57.344**	**-**	**57.344**	**44.550**	**-**	**-**	**-**	**-**	**903.819**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 modification program includes block 14, 15, 16 and 17 incorporated into one integrated retrofit work package for the block 13 baseline on 152 C-17 aircraft (P1-P152) facilitating a homogeneous configuration. The modification is accomplished in conjunction with the Extended Range (ER)/On Board Inert Gas Generating System (OBIGGS II) modification when possible. Production cut-in of the block 17 aircraft began with P153.

Block 14: Mobility 2000 (M2K) provides an Aircraft Communications Addressing and Reporting System (ACARS) capability for data link communications between the aircraft and the Tanker Airlift Control Center (TACC). Production cut-in of M2K began with P98.
Secure Enroute Communications Package (SECOMP-I) adds three UHF SATCOM antennas, two US Army multi-bank VHF/UHF antennas, two additional SATCOM antennas and adds a cargo compartment communications panel. Production cut-in of SECOMP-I began with P121.

Block 15: Communication Open System Architecture (COSA) updates the design of the communications systems to add growth capacity through an open systems architecture approach. Production cut-in of COSA began with P121.

Block 16: Weather Radar Replacement replaces the current AN/APS-133 weather radar. Production cut-in of the new weather radar began with P138. Stabilizer Strut Retrofit implements design changes to the stabilizer strut system. Production cut-in of the stabilizer strut retrofit began with P138.

Block 17: Formation Flying System (FFS) replaces Station Keeping Equipment (SKE) to enable formation flight in all weather conditions and provides Global Response Force (GRF) capability (53 aircraft across the drop zone in 30 minutes). Production cut-in of FFS began with P153 with upgraded FFS production cut-in scheduled to begin with P212. Global Air Traffic Management/Required Navigational Performance Improved (GATM/RNP-I) provides the capability to maintain precise control of navigation accuracy to within one nautical mile of the aircraft's planned position while enroute and 0.3 nautical miles in the terminal area. The capability for HF Data Link (HFDL) operations as a back-up datalink to the AERO-I capability is also included in RNP-I. Production cut-in of GATM/RNP-I began with P153. Combat Lighting provides covert Night Vision Goggle (NVG) capabilities for the cockpit, rear cargo area and all external lighting systems. Production cut-in of combat lighting began with P153.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 8962 - Block 13 to 17 Retrofit
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

Installs performed at Boeing Support Systems San Antonio (BSS-SA) and Warner Robins Air Logistics Center (WR-ALC).

All 1,064 (152 A/C) retrofit modifications are scheduled to be complete by CY15.

Funding may be used to alleviate Diminishing Manufacturing Sources (DMS) issues.

In calendar year 2013, 4 aircraft will be transfered from the active force to the Air National Guard increasing their allocation to 22.

Allocations by component are subject to total force mission priorities and aircaft availability:

Milestone/Development Status

Development complete

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 8962 - Block 13 to 17 Retrofit
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

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)*
RDT&E PE #												
0401130F	0 / 283.938	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 283.938
Procurement												
Block 13 to 17 Retrofit												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	590 / 222.929	68 / 6.899	36 / 15.232	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	694 / 245.060
INSTALL KITS Group A (Guard)	175 / 59.484	45 / 4.565	6 / 2.539	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	226 / 66.588
INSTALL KITS Group A (Reserve)	53 / 16.594	61 / 6.189	30 / 12.694	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	144 / 35.477
Subtotal Recurring	*818 / 299.007*	*174 / 17.653*	*72 / 30.465*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*1,064 / 347.125*
Secondary Distribution												
AF	590 / 288.894	68 / 22.355	36 / 20.837	- / 0.857	- / -	- / 0.857	- / -	- / -	- / -	- / -	- / -	- / -
AFNG	175 / 59.484	45 / 4.565	6 / 2.539	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
AFR	53 / 16.594	61 / 6.189	30 / 12.694	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total, Block 13 to 17 Retrofit	*818 / 299.007*	*174 / 17.653*	*72 / 30.465*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*1,064 / 347.125*
Total Procurement, All Modifications	*818 / 299.007*	*174 / 17.653*	*72 / 30.465*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*1,064 / 347.125*
Support												
OTHER GOVT	0 / 37.034	- / 8.768	- / 0.945	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 46.747
Mod of Spares	0 / 2.098	- / 0.792	- / 0.792	- / 0.857	- / -	- / 0.857	- / -	- / -	- / -	- / -	- / -	- / 4.539
GFE	0 / 21.415	- / 5.896	- / 3.868	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 31.179
PMA - Contractor Services	0 / 5.418	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.418
Total Support, All Modifications	*65.965*	*15.456*	*5.605*	*0.857*	*-*	*0.857*	*-*	*-*	*-*	*-*	*-*	*87.883*
Total Procurement and Support	*364.972*	*33.109*	*36.070*	*0.857*	*-*	*0.857*	*-*	*-*	*-*	*-*	*-*	*435.008*
Block 13 to 17 Retrofit Installation Cost	432 / 239.906	168 / 8.463	170 / 119.405	155 / 56.487	- / -	155 / 56.487	139 / 44.550	- / -	- / -	- / -	- / -	1,064 / 468.811
Total Installation Cost	*432 / 239.906*	*168 / 8.463*	*170 / 119.405*	*155 / 56.487*	*- / -*	*155 / 56.487*	*139 / 44.550*	*- / -*	*- / -*	*- / -*	*- / -*	*1,064 / 468.811*
Total Cost (Procurement + Support + Installation)	**604.878**	**41.572**	**155.475**	**57.344**	**-**	**57.344**	**44.550**	**-**	**-**	**-**	**-**	**903.819**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 8962 - Block 13 to 17 Retrofit
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

Manufacturer Information: Block 13 to 17 Retrofit

Manufacturer Name: The Boeing Company	Manufacturer Location: Long Beach, CA
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 19

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

Installation: Block 13 to 17 Retrofit	Method of Implementation: Contractor Facility	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	432 / 239.906	168 / 8.463	158 / 110.976	60 / 21.866	- / -	60 / 21.866	- / -	- / -	- / -	- / -	0 / 0.000	818 / 381.211
Secondary Distribution - Air Force Active	297 / 164.673	144 / 7.254	144 / 101.143	5 / 1.822	- / -	5 / 1.822	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	82 / 44.799	24 / 1.209	14 / 9.833	55 / 20.044	- / -	55 / 20.044	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	53 / 30.434	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	12 / 8.429	89 / 32.434	- / -	89 / 32.434	73 / 23.397	- / -	- / -	- / -	- / -	174 / 64.260
Secondary Distribution - Air Force Active	- / -	- / -	- / -	68 / 24.781	- / -	68 / 24.781	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	45 / 14.423	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	12 / 8.429	21 / 7.653	- / -	21 / 7.653	28 / 8.974	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	6 / 2.187	- / -	6 / 2.187	66 / 21.153	- / -	- / -	- / -	- / -	72 / 23.340
Secondary Distribution - Air Force Active	- / -	- / -	- / -	6 / 2.187	- / -	6 / 2.187	30 / 9.615	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.923	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	30 / 9.615	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	432 / 239.906	168 / 8.463	170 / 119.405	155 / 56.487	- / -	155 / 56.487	139 / 44.550	- / -	- / -	- / -	- / -	1,064 / 468.811
Secondary Distribution - Air Force Active	297 / 164.673	144 / 7.254	144 / 101.143	79 / 28.790	- / -	79 / 28.790	30 / 9.615	- / -	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 8962 - Block 13 to 17 Retrofit
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

Installation: Block 13 to 17 Retrofit | **Method of Implementation:** Contractor Facility | **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)*
Secondary Distribution - Air National Guard	82 / 44.799	24 / 1.209	14 / 9.833	55 / 20.044	- / -	55 / 20.044	51 / 16.346	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	53 / 30.434	- / -	12 / 8.429	21 / 7.653	- / -	21 / 7.653	58 / 18.589	- / -	- / -	- / -	- / -	- / -

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	432	42	42	42	42	43	43	42	42	39	39	39	38	35	35	35	34	-	-	-	-	-	-	-	-	-	-	-	-	-	1,064
Out	414	18	42	42	42	42	43	43	42	42	39	39	39	38	35	35	35	34	-	-	-	-	-	-	-	-	-	-	-	-	1,064

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 1508 - IFF GATM Mode 5
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

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)*	-	5.703	7.310	14.074	-	14.074	19.591	20.603	22.696	22.617	18.192	130.786
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	5.703	7.310	14.074	-	14.074	19.591	20.603	22.696	22.617	18.192	130.786
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**5.703**	**7.310**	**14.074**	**-**	**14.074**	**19.591**	**20.603**	**22.696**	**22.617**	**18.192**	**130.786**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	0.651	0.617	2.975	-	2.975	3.094	3.218	3.347	3.480	2.272	19.654
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 project will equip C-17 aircraft with an upgraded identification friend or foe (IFF) system and software upgrades to meet future military and civil transponder-reporting requirements.

Concerns regarding the capabilities and vulnerabilities of existing military secure, encrypted IFF systems resulted in a new AMC requirement for an upgraded mode 5 IFF capability. This requirement is documented in a Joint Requirements Oversight Council (JROC) approved operational requirements document (ORD). The planned approach upgrades the current APX-119 and KIV-11 (crypto unit) line-replacable units (LRUs) to provide the mode 5 capability. The full capabilities of the digital IFF will be integrated in the C-17 to provide the enhanced mode 5 capabilities.

This project also replaces the current mission computer/core integrated processor (MC/CIP). A form, fit, and function CIP replacement at the LRU level replaces the existing CIP for block 17 and later aircraft. The CIP replacement will be operationally transparent to the aircrew. The CIP replacement shall provide processing throughput improvement and added memory capabilities to support future capability upgrade via block software.

Installs are performed at Boeing Support Systems-San Antonio and at WR-ALC.

Funding may be used to alleviate Diminishing Manufacturing Sources (DMS) issues.

Compliance deadline for mode 5 is IOC of 40 C-17s by end of FY14 and FOC by the end of FY20. All installs will be complete by CY20.

In calendar year 2013, 4 aircraft will be reassigned from the active force to the Air National Guard which increases their allocation to 22.

Projected allocations by component are subject to total force mission priorities and aircraft availability:

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 1508 - IFF GATM Mode 5
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

Milestone/Development Status

Development Complete

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 1508 - IFF GATM Mode 5
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

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)*
RDT&E PE #												
0401130F	0 / 17.253	- / 7.658	- / 2.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 27.411
Procurement												
IFF GATM Mode 5												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	2 / -	38 / 5.539	33 / 11.810	- / -	33 / 11.810	33 / 17.475	33 / 18.335	33 / 20.323	10 / 6.120	- / -	182 / 79.602
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 13.464	- / -	22 / 13.464
INSTALL KITS Group A (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.612	17 / 14.449	18 / 15.061
Subtotal Recurring	*0 / 0.000*	*2 / -*	*38 / 5.539*	*33 / 11.810*	*- / -*	*33 / 11.810*	*33 / 17.475*	*33 / 18.335*	*33 / 20.323*	*33 / 20.196*	*17 / 14.449*	*222 / 108.127*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Secondary Distribution												
AF	0 / 0.000	2 / 5.703	38 / 5.539	33 / 12.003	- / -	33 / 12.003	33 / 17.625	33 / 18.491	33 / 20.540	10 / 6.289	- / -	- / -
AFNG	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 13.464	- / -	- / -
AFR	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.612	- / -	- / -
Total, IFF GATM Mode 5	*0 / 0.000*	*2 / -*	*38 / 5.539*	*33 / 11.810*	*- / -*	*33 / 11.810*	*33 / 17.475*	*33 / 18.335*	*33 / 20.323*	*33 / 20.196*	*17 / 14.449*	*222 / 108.127*
Total Procurement, All Modifications	*0 / 0.000*	*2 / -*	*38 / 5.539*	*33 / 11.810*	*- / -*	*33 / 11.810*	*33 / 17.475*	*33 / 18.335*	*33 / 20.323*	*33 / 20.196*	*17 / 14.449*	*222 / 108.127*
Support												
KIT PROOF	0 / 0.000	2 / 4.486	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.486
GFE	0 / 0.000	- / 0.428	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.428
OTHER GOVT	0 / 0.000	- / 0.789	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.789
Mod of Spares	0 / 0.000	- / -	- / -	- / 0.193	- / -	- / 0.193	- / 0.150	- / 0.156	- / 0.217	- / 0.169	- / 0.117	- / 1.002
Total Support, All Modifications	*0.000*	*5.703*	*-*	*0.193*	*-*	*0.193*	*0.150*	*0.156*	*0.217*	*0.169*	*0.117*	*6.705*
Total Procurement and Support	*0.000*	*5.703*	*5.539*	*12.003*	*-*	*12.003*	*17.625*	*18.491*	*20.540*	*20.365*	*14.566*	*114.832*
IFF GATM Mode 5 Installation Cost	0 / 0.000	- / -	2 / 1.771	38 / 2.071	- / -	38 / 2.071	33 / 1.966	33 / 2.112	33 / 2.156	33 / 2.252	50 / 3.626	222 / 15.954
Total Installation Cost	*0 / 0.000*	*- / -*	*2 / 1.771*	*38 / 2.071*	*- / -*	*38 / 2.071*	*33 / 1.966*	*33 / 2.112*	*33 / 2.156*	*33 / 2.252*	*50 / 3.626*	*222 / 15.954*
Total Cost (Procurement + Support + Installation)	**0.000**	**5.703**	**7.310**	**14.074**	**-**	**14.074**	**19.591**	**20.603**	**22.696**	**22.617**	**18.192**	**130.786**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature** (*Modification Number - Modification Title*): 1508 - IFF GATM Mode 5
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

Manufacturer Information: IFF GATM Mode 5

Manufacturer Name: The Boeing Company	Manufacturer Location: Long Beach, CA
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 2012	Mar 2013	Mar 2014	Mar 2015	Mar 2016	Mar 2017	Mar 2018
Delivery Dates	Mar 2013	Mar 2014	Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019

Installation: IFF GATM Mode 5	**Method of Implementation:** Contractor Facility	**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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	2 / 1.771	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.771
Secondary Distribution - Air Force Active	- / -	- / -	2 / 1.771	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	38 / 2.071	- / -	38 / 2.071	- / -	- / -	- / -	- / -	- / -	38 / 2.071
Secondary Distribution - Air Force Active	- / -	- / -	- / -	38 / 2.071	- / -	38 / 2.071	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	33 / 1.966	- / -	- / -	- / -	- / -	33 / 1.966
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	33 / 1.966	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 2.112	- / -	- / -	- / -	33 / 2.112
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 2.112	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 2.156	- / -	- / -	33 / 2.156
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 2.156	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 2.252	- / -	33 / 2.252
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 2.252	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 2.320	33 / 2.320
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 1.306	17 / 1.306
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	2 / 1.771	38 / 2.071	- / -	38 / 2.071	33 / 1.966	33 / 2.112	33 / 2.156	33 / 2.252	50 / 3.626	222 / 15.954
Secondary Distribution - Air Force Active	- / -	- / -	2 / 1.771	38 / 2.071	- / -	38 / 2.071	33 / 1.966	33 / 2.112	33 / 2.156	33 / 2.252	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature** (*Modification Number - Modification Title*): 1508 - IFF GATM Mode 5
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

Installation: IFF GATM Mode 5	Method of Implementation: Contractor Facility	Installation Name:

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	0	-	-	-	-	2	-	-	-	10	10	9	9	9	8	8	8	9	8	8	8	9	8	8	8	9	8	8	8	50	222
Out	0	-	-	-	-	-	2	-	-	-	10	10	9	9	9	8	8	8	9	8	8	8	9	8	8	8	9	8	8	58	222

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 6402 - OBIGGS II
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

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)*	61.847	15.243	-	11.093	-	11.093	12.350	17.801	19.570	33.666	276.185	447.755
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	61.847	15.243	-	11.093	-	11.093	12.350	17.801	19.570	33.666	276.185	447.755
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**61.847**	**15.243**	**-**	**11.093**	**-**	**11.093**	**12.350**	**17.801**	**19.570**	**33.666**	**276.185**	**447.755**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 modification project adds the On Board Inert Gas Generating System (OBIGGS II) to 66 C-17 aircraft (P71-P72, P74-P137) already equipped with the Extended Range (ER) fuel system. An additional 70 C-17 aircraft (P1-P70) will receive OBIGGS II in conjunction with the ER modification.

Production cut-in of the OBIGGS II system began with P138.

OBIGGS II quickly and efficiently inerts gases in fuel tanks, preventing them from exploding if hit by enemy fire. Pilots activate the system with the push of a button, which pumps nitrogen-enriched air into the fuel tanks. The tanks are inerted in less than one hour, as compared to the four to eight hours previously needed. In addition, the new system cuts the aircraft's weight by almost 500 pounds. The retrofit effort includes structural improvements to the wing and fuselage and changes to subsystems and software. This redesign significantly increases system effectiveness, utility and maintainability and reduces life cycle costs (LCC).

Installs are performed at Boeing Support Systems San Antonio (BSS-SA).

All 66 installations of OBIGGS II are scheduled to be complete by CY23.

Funding may be used to alleviate Diminishing Manufacturing Sources (DMS) issues.

In calendar year 2013, 4 aircraft will be reassigned from the active force to the Air National Guard increasing their allocation to 22.

Project allocations by component subject to total force mission priorities and aircaft availability:

Milestone/Development Status

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 6402 - OBIGGS II
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

Development complete

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 6402 - OBIGGS II
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

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												
OBIGGS II												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	10 / 23.561	4 / 10.357	- / -	2 / 5.378	- / -	2 / 5.378	3 / 6.605	4 / 9.664	4 / 9.304	8 / 20.455	23 / 69.045	58 / 154.369
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 26.509	8 / 26.509
INSTALL KITS Group A (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*10 / 23.561*	*4 / 10.357*	*- / -*	*2 / 5.378*	*- / -*	*2 / 5.378*	*3 / 6.605*	*4 / 9.664*	*4 / 9.304*	*8 / 20.455*	*31 / 95.554*	*66 / 180.878*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 16.591	- / -	- / -	- / 0.241	- / -	- / 0.241	- / 0.248	- / 2.607	- / 0.263	- / 0.271	- / 11.993	- / 32.214
Subtotal Non-Recurring	*0 / 16.591*	*- / -*	*- / -*	*- / 0.241*	*- / -*	*- / 0.241*	*- / 0.248*	*- / 2.607*	*- / 0.263*	*- / 0.271*	*- / 11.993*	*- / 32.214*
Secondary Distribution												
AF	10 / 40.152	4 / 10.357	- / -	2 / 5.619	- / -	2 / 5.619	3 / 6.853	4 / 12.271	4 / 9.567	8 / 20.726	- / -	- / -
AFNG	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
AFR	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total, OBIGGS II	*10 / 40.152*	*4 / 10.357*	*- / -*	*2 / 5.619*	*- / -*	*2 / 5.619*	*3 / 6.853*	*4 / 12.271*	*4 / 9.567*	*8 / 20.726*	*31 / 107.547*	*66 / 213.092*
Total Procurement, All Modifications	*10 / 40.152*	*4 / 10.357*	*- / -*	*2 / 5.619*	*- / -*	*2 / 5.619*	*3 / 6.853*	*4 / 12.271*	*4 / 9.567*	*8 / 20.726*	*31 / 107.547*	*66 / 213.092*
Total Procurement and Support	*40.152*	*10.357*	*-*	*5.619*	*-*	*5.619*	*6.853*	*12.271*	*9.567*	*20.726*	*107.547*	*213.092*
OBIGGS II Installation Cost	8 / 21.695	2 / 4.886	- / -	2 / 5.474	- / -	2 / 5.474	2 / 5.497	2 / 5.530	3 / 10.003	4 / 12.940	43 / 168.638	66 / 234.663
Total Installation Cost	*8 / 21.695*	*2 / 4.886*	*- / -*	*2 / 5.474*	*- / -*	*2 / 5.474*	*2 / 5.497*	*2 / 5.530*	*3 / 10.003*	*4 / 12.940*	*43 / 168.638*	*66 / 234.663*
Total Cost (Procurement + Support + Installation)	**61.847**	**15.243**	**-**	**11.093**	**-**	**11.093**	**12.350**	**17.801**	**19.570**	**33.666**	**276.185**	**447.755**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 6402 - OBIGGS II
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

Manufacturer Information: OBIGGS II

Manufacturer Name: The Boeing Company	Manufacturer Location: Long Beach, CA
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 24

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Jun 2012		Mar 2014	Mar 2015	Mar 2016	Mar 2017	Mar 2018
Delivery Dates	Jun 2014		Mar 2016	Mar 2017	Mar 2018	Mar 2019	Mar 2020

Installation: OBIGGS II	Method of Implementation: Contractor Facility	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	8 / 21.695	2 / 4.886	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	10 / 26.581
Secondary Distribution - Air Force Active	8 / 21.695	2 / 4.886	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	2 / 5.474	- / -	2 / 5.474	2 / 5.497	- / -	- / -	- / -	- / -	4 / 10.971
Secondary Distribution - Air Force Active	- / -	- / -	- / -	2 / 5.474	- / -	2 / 5.474	2 / 5.497	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.530	- / -	- / -	- / -	2 / 5.530
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.530	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 10.003	- / -	- / -	3 / 10.003
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 10.003	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 12.940	- / -	4 / 12.940
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 12.940	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 13.328	4 / 13.328
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 31.889	8 / 31.889
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 123.421	31 / 123.421
Secondary Distribution - Air Force Active	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	8 / 21.695	2 / 4.886	- / -	2 / 5.474	- / -	2 / 5.474	2 / 5.497	2 / 5.530	3 / 10.003	4 / 12.940	43 / 168.638	66 / 234.663
Secondary Distribution - Air Force Active	8 / 21.695	2 / 4.886	- / -	2 / 5.474	- / -	2 / 5.474	2 / 5.497	2 / 5.530	3 / 10.003	4 / 12.940	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 6402 - OBIGGS II
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

Installation: OBIGGS II	Method of Implementation: Contractor Facility	Installation Name:

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	8	1	-	1	-	-	-	-	-	1	-	1	-	1	-	1	-	1	-	1	-	1	1	1	-	1	1	1	1	43	66
Out	8	-	1	-	1	-	-	-	-	-	1	-	1	-	1	-	1	-	1	-	1	-	1	1	1	-	1	1	1	44	66

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 6412 - Extended Range Retrofit/OBIGGS II
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

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)*	139.310	80.430	0.168	27.013	-	27.013	42.343	52.267	74.541	95.241	667.243	1,178.556
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	139.310	80.430	0.168	27.013	-	27.013	42.343	52.267	74.541	95.241	667.243	1,178.556
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**139.310**	**80.430**	**0.168**	**27.013**	**-**	**27.013**	**42.343**	**52.267**	**74.541**	**95.241**	**667.243**	**1,178.556**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 modification project adds the Extended Range (ER) fuel containment system and On Board Inert Gas Generating System (OBIGGS II) to 70 C-17 aircraft (P1-P70).

ER adds a center wing fuel tank, increases the fuel capacity by 9,500 gallons and adds 1,800 pounds to the gross weight of the aircraft.

OBIGGS II quickly and efficiently inerts gases in fuel tanks, preventing them from exploding if hit by enemy fire. Pilots activate the system with the push of a button, which pumps nitrogen-enriched air into the fuel tanks. The tanks are inerted in less than one hour, as compared to the four to eight hours previously needed. In addition, the new system cuts the aircraft's weight by almost 500 pounds. The retrofit effort includes structural improvements to the wing and fuselage and changes to subsystems and software. This redesign significantly increases system effectiveness, utility and maintainability and reduces life cycle costs (LCC).

Production cut-in of the ER system began with P71.

An additional 66 C-17 aircraft (P71-P72, P74-P137) already equipped with ER will receive OBIGGS II with the OBIGGS II modification.

Installations are performed at Warner Robbins Air Logistics Center (WR-ALC).

All 70 installs are scheduled to be complete by CY23.

Funding may be used to alleviate Diminishing Manufacturing Sources (DMS) issues.

In calendar year 2013, 4 aircraft will be reassigned from the active force to the Air National Guard increasing their allocation to 14.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 6412 - Extended Range Retrofit/OBIGGS II
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

Projected allocations by component are subject to total force mission priorities and aircaft availability:

Milestone/Development Status

Development complete

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 6412 - Extended Range Retrofit/OBIGGS II
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

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												
Extended Range Retrofit/OBIGGS II												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	8 / 52.468	4 / 14.808	- / -	2 / 9.023	- / -	2 / 9.023	4 / 17.717	6 / 27.845	6 / 28.030	8 / 37.089	8 / 40.040	46 / 227.020
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 75.101	14 / 75.101
INSTALL KITS Group A (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 56.514	10 / 56.514
Subtotal Recurring	*8 / 52.468*	*4 / 14.808*	*- / -*	*2 / 9.023*	*- / -*	*2 / 9.023*	*4 / 17.717*	*6 / 27.845*	*6 / 28.030*	*8 / 37.089*	*32 / 171.655*	*70 / 358.635*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 41.161	- / -	- / -	- / 0.241	- / -	- / 0.241	- / 0.249	- / 3.627	- / 3.736	- / 0.272	- / 12.757	- / 62.043
Subtotal Non-Recurring	*0 / 41.161*	*- / -*	*- / -*	*- / 0.241*	*- / -*	*- / 0.241*	*- / 0.249*	*- / 3.627*	*- / 3.736*	*- / 0.272*	*- / 12.757*	*- / 62.043*
Secondary Distribution												
AF	8 / 93.846	4 / 67.742	- / 0.168	2 / 11.585	- / -	2 / 11.585	4 / 26.749	6 / 36.559	6 / 35.506	8 / 37.556	- / -	- / -
AFNG	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
AFR	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total, Extended Range Retrofit/OBIGGS II	*8 / 93.629*	*4 / 14.808*	*- / -*	*2 / 9.264*	*- / -*	*2 / 9.264*	*4 / 17.966*	*6 / 31.472*	*6 / 31.766*	*8 / 37.361*	*32 / 184.412*	*70 / 420.678*
Total Procurement, All Modifications	*8 / 93.629*	*4 / 14.808*	*- / -*	*2 / 9.264*	*- / -*	*2 / 9.264*	*4 / 17.966*	*6 / 31.472*	*6 / 31.766*	*8 / 37.361*	*32 / 184.412*	*70 / 420.678*
Support												
CHANGE ORDERS	0 / 0.000	- / -	- / -	- / 2.148	- / -	- / 2.148	- / 2.250	- / 2.118	- / 2.643	- / -	- / -	- / 9.159
PMA - Contractor Services	0 / 0.217	- / 0.228	- / 0.168	- / 0.173	- / -	- / 0.173	- / 0.178	- / 0.183	- / 0.189	- / 0.195	- / 0.201	- / 1.732
OTHER GOVT	0 / 0.000	- / 52.706	- / -	- / -	- / -	- / -	- / 6.355	- / 2.786	- / 0.908	- / -	- / -	- / 62.755
Total Support, All Modifications	*0.217*	*52.934*	*0.168*	*2.321*	*-*	*2.321*	*8.783*	*5.087*	*3.740*	*0.195*	*0.201*	*73.646*
Total Procurement and Support	*93.846*	*67.742*	*0.168*	*11.585*	*-*	*11.585*	*26.749*	*36.559*	*35.506*	*37.556*	*184.613*	*494.324*
Extended Range Retrofit/OBIGGS II Installation Cost	6 / 45.464	2 / 12.688	- / -	2 / 15.428	- / -	2 / 15.428	2 / 15.594	2 / 15.708	4 / 39.035	6 / 57.685	46 / 482.630	70 / 684.232
Total Installation Cost	*6 / 45.464*	*2 / 12.688*	*- / -*	*2 / 15.428*	*- / -*	*2 / 15.428*	*2 / 15.594*	*2 / 15.708*	*4 / 39.035*	*6 / 57.685*	*46 / 482.630*	*70 / 684.232*
Total Cost (Procurement + Support + Installation)	**139.310**	**80.430**	**0.168**	**27.013**	**-**	**27.013**	**42.343**	**52.267**	**74.541**	**95.241**	**667.243**	**1,178.556**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 6412 - Extended Range Retrofit/OBIGGS II
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

Manufacturer Information: Extended Range Retrofit/OBIGGS II

Manufacturer Name: The Boeing Company	Manufacturer Location: Long Beach, CA
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 24

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Jun 2012		Mar 2014	Mar 2015	Mar 2016	Mar 2017	Mar 2018
Delivery Dates	Jun 2014		Mar 2016	Mar 2017	Mar 2018	Mar 2019	Mar 2020

Installation: Extended Range Retrofit/OBIGGS II	Method of Implementation: Contractor Facility	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 / 45.464	2 / 12.688	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	8 / 58.152
Secondary Distribution - Air Force Active	6 / 45.464	2 / 12.688	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	2 / 15.428	- / -	2 / 15.428	2 / 15.594	- / -	- / -	- / -	- / -	4 / 31.022
Secondary Distribution - Air Force Active	- / -	- / -	- / -	2 / 15.428	- / -	2 / 15.428	2 / 15.594	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 15.708	- / -	- / -	- / -	2 / 15.708
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 15.708	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 39.035	- / -	- / -	4 / 39.035
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 39.035	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 57.685	- / -	6 / 57.685
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 57.685	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 57.979	6 / 57.979
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 82.911	8 / 82.911
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 341.740	32 / 341.740
Secondary Distribution - Air Force Active	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	6 / 45.464	2 / 12.688	- / -	2 / 15.428	- / -	2 / 15.428	2 / 15.594	2 / 15.708	4 / 39.035	6 / 57.685	46 / 482.630	70 / 684.232
Secondary Distribution - Air Force Active	6 / 45.464	2 / 12.688	- / -	2 / 15.428	- / -	2 / 15.428	2 / 15.594	2 / 15.708	4 / 39.035	6 / 57.685	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C01700 - C-17A	**Modification Nomenclature (*Modification Number - Modification Title*):** 6412 - Extended Range Retrofit/OBIGGS II
Models of Systems Affected: C-17	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401130F

Installation: Extended Range Retrofit/OBIGGS II	Method of Implementation: Contractor Facility	Installation Name:

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	6	-	1	-	1	-	-	-	-	1	-	1	-	1	-	1	-	1	-	1	-	1	1	1	1	2	1	2	1	46	70
Out	5	1	-	1	-	1	-	-	-	-	1	-	1	-	1	-	1	-	1	-	1	-	1	1	1	1	2	1	2	47	70

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C02100 - C-21

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401314F

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)*	2.717	0.328	0.199	0.103	-	0.103	0.267	0.247	0.211	0.215	-	4.287
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	2.717	0.328	0.199	0.103	-	0.103	0.267	0.247	0.211	0.215	-	4.287
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**2.717**	**0.328**	**0.199**	**0.103**	**-**	**0.103**	**0.267**	**0.247**	**0.211**	**0.215**	**-**	**4.287**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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

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

Description:

This line item funds low-cost modifications and service bulletins for 28 C-21A aircraft, commercial equivalent to the Learjet 35. The C-21A aircraft is a twin-turbofan engine aircraft used for cargo and passenger airlift over medium ranges. The aircraft has a designed service life of 20,000 hours with an average of 4,000 hours remaining. Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

Funding for this exhibit contained in PE 0401314F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.328	0.199	0.103	-	0.103	0.267	0.247	0.211	0.215

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
SERVICE BULLETINS	P40A		-	-	1.109	-	-	0.109	-	-	0.108	-	-	0.100	-	-	-	-	-	0.100

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Nomenclature:
C02100 - C-21

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401314F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
LOW COST MODIFICATIONS	P40A		-	-	1.608	-	-	0.219	-	-	0.091	-	-	0.003	-	-	-	-	-	0.003
Total Gross/Weapon System Cost					**2.717**			**0.328**			**0.199**			**0.103**			**-**			**0.103**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
SERVICE BULLETINS	P40A		-	-	0.157	-	-	0.137	-	-	0.101	-	-	0.105	-	-	-	-	-	1.926
LOW COST MODIFICATIONS	P40A		-	-	0.110	-	-	0.110	-	-	0.110	-	-	0.110	-	-	-	-	-	2.361
Total Gross/Weapon System Cost					**0.267**			**0.247**			**0.211**			**0.215**			**-**			**4.287**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C03200 - C-32A

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401845F, 0401314F, 0504314F

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)*	6.679	1.757	1.750	9.780	-	9.780	4.813	1.845	1.878	1.912	-	30.414
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	6.679	1.757	1.750	9.780	-	9.780	4.813	1.845	1.878	1.912	-	30.414
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**6.679**	**1.757**	**1.750**	**9.780**	**-**	**9.780**	**4.813**	**1.845**	**1.878**	**1.912**	**-**	**30.414**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 line item funds all aircraft modifications for 4 C-32A aircraft, a commercial derivative of the Boeing 757-200. The C-32A is a twin-engine, turbofan aircraft used to transport high ranking government officals worldwide. The design service life is 30 years with an average of 18 years remaining. C-32A Nitrogen Generation System is the only major modification in FY14; it is a new start effort. Additionally, service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

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.

Funding for this exhibit contained in PE 0401314F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.757	1.750	9.780	-	9.780	4.813	1.845	1.878	1.912

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Nomenclature:
C03200 - C-32A

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401845F, 0401314F, 0504314F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
SERVICE BULLETINS	P40A		-	-	0.267	-	-	0.005	-	-	0.005	-	-	0.005	-	-	-	-	-	0.005
SERVICE BULLETINS - ANG	P40A		-	-	3.217	-	-	0.944	-	-	0.933	-	-	0.932	-	-	-	-	-	0.932
LOW COST MODIFICATIONS	P40A		-	-	0.025	-	-	0.037	-	-	0.005	-	-	0.005	-	-	-	-	-	0.005
LOW COST MODS - ANG	P40A		-	-	3.170	-	-	0.771	-	-	0.807	-	-	0.838	-	-	-	-	-	0.838
1110 - Nitrogen Generation System	P3A		-	-	-	-	-	-	-	-	-	-	-	8.000	-	-	-	-	-	8.000
Total Gross/Weapon System Cost					**6.679**			**1.757**			**1.750**			**9.780**			**-**			**9.780**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
SERVICE BULLETINS	P40A		-	-	0.005	-	-	0.005	-	-	0.005	-	-	0.005	-	-	-	-	-	0.302
SERVICE BULLETINS - ANG	P40A		-	-	0.928	-	-	0.935	-	-	0.968	-	-	0.972	-	-	-	-	-	9.829
LOW COST MODIFICATIONS	P40A		-	-	0.005	-	-	0.005	-	-	0.005	-	-	0.005	-	-	-	-	-	0.092
LOW COST MODS - ANG	P40A		-	-	0.875	-	-	0.900	-	-	0.900	-	-	0.930	-	-	-	-	-	9.191
1110 - Nitrogen Generation System	P3A		-	-	3.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.000
Total Gross/Weapon System Cost					**4.813**			**1.845**			**1.878**			**1.912**			**-**			**30.414**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C03200 - C-32A	**Modification Nomenclature (*Modification Number - Modification Title*):** 1110 - Nitrogen Generation System
Models of Systems Affected: C-32A	**Type Modification:** Other	**Related RDT&E PEs:** 0401314F

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)*	-	-	-	8.000	-	8.000	3.000	-	-	-	-	11.000
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	-	8.000	-	8.000	3.000	-	-	-	-	11.000
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**-**	**8.000**	**-**	**8.000**	**3.000**	**-**	**-**	**-**	**-**	**11.000**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 modification installs a Nitrogen Generation System (NGS) on Air Force C-32 aircraft. The C-32 is a commercial derivative of the Boeing 757-200 Extended Range aircraft. Air Force C-32s maintain Federal Aviation Administration (FAA) certification.

Due to a potential for fuel vapor explosion in fuselage fuel tanks, the FAA mandated that those aircraft must undergo fuel tank flammability reduction modifications. The C-32 NGS modification will supply nitrogen enriched air to all fuselage fuel tanks to reduce the risk of vapor explosion and comply with FAA mandates. The C-32 NGS design will be based on similar Boeing 757 installations, but highly tailored to incorporate auxiliary fuselage fuel tanks not found on commercial 757 aircraft.

At least 50% of the Air Force fleet must be modified by 2015 with the remainder modified by 2018 to maintain FAA certification.

This is an FY14 New Start.

Milestone/Development Status

No RDT&E required.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C03200 - C-32A	**Modification Nomenclature (*Modification Number - Modification Title*):** 1110 - Nitrogen Generation System
Models of Systems Affected: C-32A	**Type Modification:** Other	**Related RDT&E PEs:** 0401314F

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												
Nitrogen Generation System												
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	- / -	2 / 1.000	- / -	2 / 1.000	2 / 1.000	- / -	- / -	- / -	- / -	4 / 2.000
Subtotal Recurring	*0 / 0.000*	- / -	- / -	*2 / 1.000*	- / -	*2 / 1.000*	*2 / 1.000*	- / -	- / -	- / -	- / -	*4 / 2.000*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	- / -	- / -	1 / 4.750	- / -	1 / 4.750	- / -	- / -	- / -	- / -	- / -	1 / 4.750
Subtotal Non-Recurring	*0 / 0.000*	- / -	- / -	*1 / 4.750*	- / -	*1 / 4.750*	- / -	- / -	- / -	- / -	- / -	*1 / 4.750*
Secondary Distribution												
AF	0 / 0.000	- / -	- / -	2 / 6.000	- / -	2 / 6.000	2 / 1.150	- / -	- / -	- / -	- / -	- / -
Total, Nitrogen Generation System	*0 / 0.000*	- / -	- / -	*2 / 5.750*	- / -	*2 / 5.750*	*2 / 1.000*	- / -	- / -	- / -	- / -	*4 / 6.750*
Total Procurement, All Modifications	*0 / 0.000*	- / -	- / -	*2 / 5.750*	- / -	*2 / 5.750*	*2 / 1.000*	- / -	- / -	- / -	- / -	*4 / 6.750*
Support												
PMA - Other Gov't Costs	0 / 0.000	- / -	- / -	1 / 0.250	- / -	1 / 0.250	1 / 0.150	- / -	- / -	- / -	- / -	2 / 0.400
Total Support, All Modifications	*0.000*	-	-	*0.250*	-	*0.250*	*0.150*	-	-	-	-	*0.400*
Total Procurement and Support	*0.000*	-	-	*6.000*	-	*6.000*	*1.150*	-	-	-	-	*7.150*
Nitrogen Generation System Installation Cost	0 / 0.000	- / -	- / -	2 / 2.000	- / -	2 / 2.000	2 / 1.850	- / -	- / -	- / -	- / -	4 / 3.850
Total Installation Cost	*0 / 0.000*	- / -	- / -	*2 / 2.000*	- / -	*2 / 2.000*	*2 / 1.850*	- / -	- / -	- / -	- / -	*4 / 3.850*
Total Cost (Procurement + Support + Installation)	**0.000**	-	-	**8.000**	-	**8.000**	**3.000**	-	-	-	-	**11.000**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C03200 - C-32A	**Modification Nomenclature (*Modification Number - Modification Title*):** 1110 - Nitrogen Generation System
Models of Systems Affected: C-32A	**Type Modification:** Other	**Related RDT&E PEs:** 0401314F

Manufacturer Information: Nitrogen Generation System

Manufacturer Name: Boeing	Manufacturer Location: San Antonio, TX
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 9

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

Installation: Nitrogen Generation System	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	2 / 2.000	- / -	2 / 2.000	- / -	- / -	- / -	- / -	- / -	2 / 2.000
Secondary Distribution - Air Force Active	- / -	- / -	- / -	2 / 2.000	- / -	2 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.850	- / -	- / -	- / -	- / -	2 / 1.850
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.850	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 2.000	- / -	2 / 2.000	2 / 1.850	- / -	- / -	- / -	- / -	4 / 3.850
Secondary Distribution - Air Force Active	- / -	- / -	- / -	2 / 2.000	- / -	2 / 2.000	2 / 1.850	- / -	- / -	- / -	- / -	- / -

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	0	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	4

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C03700 - C-37A

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401314F

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)*	1.643	0.486	0.445	0.452	-	0.452	0.461	0.460	0.468	0.476	-	4.891
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1.643	0.486	0.445	0.452	-	0.452	0.461	0.460	0.468	0.476	-	4.891
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1.643**	**0.486**	**0.445**	**0.452**	**-**	**0.452**	**0.461**	**0.460**	**0.468**	**0.476**	**-**	**4.891**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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

FY 2013 The FY 2014 OCO Request will be submitted at a later date

Description:

This line item funds modifications to 12 C-37A and C-37B aircraft, commercial equivalent Gulfstream 5 and Gulfstream 550. The C-37A/B is a twin-engine jet transport designed to transport high-ranking government officials worldwide. The designed service life is 40,000 hours with an average of 30,000 hours remaining. Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

Funding for this exhibit contained in PE 0401314F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.486	0.445	0.452	-	0.452	0.461	0.460	0.468	0.476

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
SERVICE BULLETINS	P40A		-	-	1.185	-	-	0.289	-	-	0.286	-	-	0.100	-	-	-	-	-	0.100

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Nomenclature:
C03700 - C-37A

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401314F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
LOW COST MODIFICATIONS	P40A		-	-	0.458	-	-	0.197	-	-	0.159	-	-	0.352	-	-	-	-	-	0.352
Total Gross/Weapon System Cost					**1.643**			**0.486**			**0.445**			**0.452**			**-**			**0.452**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
SERVICE BULLETINS	P40A		-	-	0.100	-	-	0.100	-	-	0.100	-	-	0.100	-	-	-	-	-	2.260
LOW COST MODIFICATIONS	P40A		-	-	0.361	-	-	0.360	-	-	0.368	-	-	0.376	-	-	-	-	-	2.631
Total Gross/Weapon System Cost					**0.461**			**0.460**			**0.468**			**0.476**			**-**			**4.891**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	**P-1 Line Item Nomenclature:** C1300A - C-130 AMP

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0401115F

MDAP/MAIS Code(s): 298

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)*	-	208.135	-	-	-	-	-	-	-	-	-	208.135
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	208.135	-	-	-	-	-	-	-	-	-	208.135
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**208.135**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**208.135**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 document includes only FY12 funds for C-130 AMP. Funding in the FYDP has been deleted as a result of program cancellation. Due to system requirements, the subsequent budget exhibits contain information reflecting procurements in FY12. However, the Air Force does not intend to procure any of these kits.

This program has associated Research Development Test & Evaluation (RDT&E) funding in PE 0401115F.

This line item funds C-130 AMP which modernizes 221 various mobility air forces C-130 models to comply with FAA/European Air Traffic Management and Navigation/Safety mandates. It also resolves obsolescence and Diminishing Manufaturing Sources issues, standardizes aircraft configuration, and reduces total ownership cost.

C-130 AMP funding in FY12 and out has moved to this new C-130 AMP P-1 line, from the C-130 mods P-1 line.

No FY14 funding requested.

Funding for this exhibit contained in PE 0401115F.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Nomenclature:
C1300A - C-130 AMP

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401115F

MDAP/MAIS Code(s): 298

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	208.135	-	-	-	-	-	-	-	-

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
C-130 AVIONICS MODERNIZATION PROGRAM (AMP)	P40A		-	-	0.000	-	-	208.135	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost					**-**			**208.135**			**-**			**-**			**-**			**-**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
C-130 AVIONICS MODERNIZATION PROGRAM (AMP)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	208.135
Total Gross/Weapon System Cost					**-**			**-**			**-**			**-**			**-**			**208.135**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	**P-1 Line Item Nomenclature:** GLID00 - GLIDER Mods

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0804748F

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)*	2.697	0.123	0.126	0.128	-	0.128	0.133	0.136	0.137	0.139	-	3.619
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	2.697	0.123	0.126	0.128	-	0.128	0.133	0.136	0.137	0.139	-	3.619
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**2.697**	**0.123**	**0.126**	**0.128**	**-**	**0.128**	**0.133**	**0.136**	**0.137**	**0.139**	**-**	**3.619**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 line item funds modifcations to the TG-10, TG-15 and TG-16 gliders, T-41 (Cessna 172), T-51 (Cessna 150), T-53 (Cirrus SR20) and UV-18 aircraft used at the United States Air Force Academy. There are 12 TG-10B aircraft with a design service life of 6,000 hours of which an average of 3,000 hours remains. There are two TG-15A aircraft with a design service life of 6,000 hours of which an average of 5,100 hours remains. There are three TG-15B aircraft with a design service life of 6,000 hours of which an average of 5,400 hours remains. There are 19 TG-16A aircraft with a design service life of 12,000 hours, all of which remains. There are four T-41D aircraft with a design service life of 60,000 hours of which an average of 46,000 hours remains. There are three T-51A aircraft with a design service life of 60,000 hours of which an average of 49,000 hours remains. There are 24 T-53A aircraft when all are delivered with a design service life of 12,000 hours, all of which remains. There are three UV-18B aircraft with a design service life of 40,000 hours of which an average of 16,700 hours remains. The primary effort in FY14 is FAA Service Bulletin/Air Worthiness Directives and low cost modifications.

Funding for this exhibit contained in PE 0804748F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.123	0.126	0.128	-	0.128	0.133	0.136	0.137	0.139

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft

P-1 Line Item Nomenclature:
GLID00 - GLIDER Mods

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0804748F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
LOW COST MODIFICATIONS	P40A		-	-	2.697	-	-	0.123	-	-	0.126	-	-	0.128	-	-	-	-	-	0.128
Total Gross/Weapon System Cost					**2.697**			**0.123**			**0.126**			**0.128**			**-**			**0.128**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
LOW COST MODIFICATIONS	P40A		-	-	0.133	-	-	0.136	-	-	0.137	-	-	0.139	-	-	-	-	-	3.619
Total Gross/Weapon System Cost					**0.133**			**0.136**			**0.137**			**0.139**			**-**			**3.619**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	**P-1 Line Item Nomenclature:** JPAT00 - T-6

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0604233F, 0804740F

MDAP/MAIS Code(s): 560

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)*	83.038	14.612	15.494	6.427	-	6.427	14.631	14.240	13.632	13.877	5.796	181.747
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	83.038	14.612	15.494	6.427	-	6.427	14.631	14.240	13.632	13.877	5.796	181.747
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**83.038**	**14.612**	**15.494**	**6.427**	**-**	**6.427**	**14.631**	**14.240**	**13.632**	**13.877**	**5.796**	**181.747**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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

FY 2014 OCO Request will be submitted at a later date

Description:

The Joint Primary Aircraft Training System (JPATS) T-6 replaces the USAF T-37B and USN T-34C training aircraft and their associated ground based training systems. The JPATS T-6 aircraft provides significant improvements over the aircraft it is replacing, including a 0/0 ejection seat which accommodates a larger anthropometric pilot population, a pressurized cockpit, gravitational-force (g-force) strain reduction capabilities, and increased birdstrike protection. There are currently 446 T-6A aircraft in the Air Force inventory. The aircraft were designed with a 24 year service life. Remaining service life is up to 22 years from the final delivery in May 2010. The primary modifications in FY2014 include the Aircrew Training Device (ATD) visual system retrofit, landing gear handle redesign, landing gear shimmy, and On-Board Oxygen Generating System (OBOGS) concentrator.

Funding for this exhibit contained in PE 0804740F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	14.612	15.494	6.427	-	6.427	14.631	14.240	13.632	13.877

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft

P-1 Line Item Nomenclature:
JPAT00 - T-6

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0604233F, 0804740F

MDAP/MAIS Code(s): 560

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Landing Gear Shimmy	P40A		-	-	0.000	-	-	0.297	-	-	0.682	-	-	0.353	-	-	-	-	-	0.353
Power Control Lever	P40A		-	-	0.063	-	-	2.614	-	-	2.581	-	-	-	-	-	-	-	-	-
OBOGS Low Pressure Switch and Concentrator	P40A		-	-	1.051	-	-	0.835	-	-	0.206	-	-	0.370	-	-	-	-	-	0.370
Landing Gear Door Spring Housing, Bellcrank & Pushrods	P40A		-	-	4.770	-	-	0.025	-	-	-	-	-	-	-	-	-	-	-	-
ATD Visual System Retrofit	P40A		-	-	9.498	-	-	4.670	-	-	6.853	-	-	1.655	-	-	-	-	-	1.655
Avionics Obsolesence	P40A		-	-	11.904	-	-	2.224	-	-	2.232	-	-	2.683	-	-	-	-	-	2.683
Traffic Advisory System	P40A		-	-	27.825	-	-	1.755	-	-	-	-	-	-	-	-	-	-	-	-
COCKPIT UPGRADES	P40A		-	-	6.030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Canopy Fracture Initiation System	P40A		-	-	0.000	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
LANDING GEAR HANDLE REDESIGN	P40A		-	-	0.017	-	-	1.384	-	-	1.445	-	-	0.232	-	-	-	-	-	0.232
AIRFRAME STRUCTURAL IMPROVEMENTS	P40A		-	-	15.282	-	-	0.593	-	-	0.344	-	-	0.535	-	-	-	-	-	0.535
LOW COST MODIFICATIONS	P40A		-	-	6.598	-	-	0.215	-	-	1.151	-	-	0.499	-	-	-	-	-	0.499
Total Gross/Weapon System Cost					**83.038**			**14.612**			**15.494**			**6.427**			**-**			**6.427**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Landing Gear Shimmy	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.332
Power Control Lever	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.258
OBOGS Low Pressure Switch and Concentrator	P40A		-	-	0.753	-	-	0.766	-	-	0.799	-	-	0.806	-	-	2.858	-	-	8.444
Landing Gear Door Spring Housing, Bellcrank & Pushrods	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.795
ATD Visual System Retrofit	P40A		-	-	2.603	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.279
Avionics Obsolesence	P40A		-	-	6.387	-	-	9.246	-	-	8.574	-	-	8.727	-	-	2.938	-	-	54.915
Traffic Advisory System	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.580
COCKPIT UPGRADES	P40A		-	-	2.105	-	-	0.497	-	-	0.122	-	-	-	-	-	-	-	-	8.754
Canopy Fracture Initiation System	P40A		-	-	0.510	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	0.710

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft

P-1 Line Item Nomenclature:
JPAT00 - T-6

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0604233F, 0804740F

MDAP/MAIS Code(s): 560

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
LANDING GEAR HANDLE REDESIGN	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.078
AIRFRAME STRUCTURAL IMPROVEMENTS	P40A		-	-	1.158	-	-	2.416	-	-	2.822	-	-	2.929	-	-	-	-	-	26.079
LOW COST MODIFICATIONS	P40A		-	-	1.115	-	-	1.215	-	-	1.315	-	-	1.415	-	-	-	-	-	13.523
Total Gross/Weapon System Cost					**14.631**			**14.240**			**13.632**			**13.877**			**5.796**			**181.747**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	**P-1 Line Item Nomenclature:** T00100 - T-1

ID Code (A=Service Ready, B=Not Service Ready) : A | **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)*	30.473	0.238	0.272	0.277	-	0.277	0.288	0.296	0.300	0.305	-	32.449
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	30.473	0.238	0.272	0.277	-	0.277	0.288	0.296	0.300	0.305	-	32.449
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**30.473**	**0.238**	**0.272**	**0.277**	**-**	**0.277**	**0.288**	**0.296**	**0.300**	**0.305**	**-**	**32.449**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 line item funds modifications to the T-1A aircraft. The T-1A is a missionized Beech 400A used in the Airlift/Tanker track of USAF Specialized Undergraduate Pilot Training (SUPT) and in Combat Systems Officer (CSO) training for Air Education and Training Command (AETC). It is powered by two Pratt and Whitney JT15D-5 turbofan engines mounted on the aft fuselage producing 2,900 pounds of thrust each. Avionics include Ultra High Frequency (UHF) and Very High Frequency (VHF) radios, Inertial Navigation System (INS), Tactical Air Navigation (TACAN), Airborne Direction Finder (ADF), and two Very High Frequency Omni Range/Instrument Landing System (VOR/ILS). Aircraft modified for CSO training include a Global Positioning System (GPS)-driven synthetic radar and simulated Radar Warning Receiver (RWR) in the right seat flight deck position to be utilized by the student CSO. A second student station and a second instructor station has also been added in the rear of the aircraft. There are 178 T-1A aircraft in the inventory. Design service life is 30 years, with approximately 13 years remaining. The primary effort in FY2014 is low cost modifications.

Funding for this exhibit contained in PE 0804741F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.238	0.272	0.277	-	0.277	0.288	0.296	0.300	0.305

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft

P-1 Line Item Nomenclature:
T00100 - T-1

ID Code (A=Service Ready, B=Not Service Ready) : A | **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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
COMBAT SYSTEMS OFFICER (CSO) TRAINING	P40A		-	-	30.086	-	-	0.119	-	-	-	-	-	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	P40A		-	-	0.387	-	-	0.119	-	-	0.272	-	-	0.277	-	-	-	-	-	0.277
Total Gross/Weapon System Cost					**30.473**			**0.238**			**0.272**			**0.277**			**-**			**0.277**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
COMBAT SYSTEMS OFFICER (CSO) TRAINING	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.205
LOW COST MODIFICATIONS	P40A		-	-	0.288	-	-	0.296	-	-	0.300	-	-	0.305	-	-	-	-	-	2.244
Total Gross/Weapon System Cost					**0.288**			**0.296**			**0.300**			**0.305**			**-**			**32.449**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	**P-1 Line Item Nomenclature:** T03800 - T-38

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0804741F

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)*	169.672	31.032	20.455	28.686	-	28.686	35.192	34.569	28.605	24.393	15.463	388.067
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	169.672	31.032	20.455	28.686	-	28.686	35.192	34.569	28.605	24.393	15.463	388.067
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**169.672**	**31.032**	**20.455**	**28.686**	**-**	**28.686**	**35.192**	**34.569**	**28.605**	**24.393**	**15.463**	**388.067**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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

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

Description:

The T-38 is a twin engine, two seat (tandem), supersonic jet trainer used by Air Education Training Command as an advanced trainer in Specialized Undergraduate Pilot Training. Modifications are budgeted to enhance operational capability while improving flight safety, reliability, and maintainability. There are currently 508 T-38s in the Air Force inventory (54 T-38A, 6 AT-38B and 448 T-38C). T-38s first entered service in 1962 and average over 44 years old. The T-38 was designed with a 7,000 hour service life. Aircraft are now in their third service life and are sustained by upgrades and service life extensions. The primary modifications budgeted in FY14 are the Pacer Classic III and Video Data Transfer System/Speed Brake Indicator System (VDTS/SBIS) installation.

Funding for this exhibit contained in PE 0804741F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	31.032	20.455	28.686	-	28.686	35.192	34.569	28.605	24.393

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft

P-1 Line Item Nomenclature:
T03800 - T-38

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0804741F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
T-38 ESCAPE SYSTEM UPGRADE	P40A		-	-	154.437	-	-	2.944	-	-	2.237	-	-	-	-	-	-	-	-	-
VDTS/SBIS	P40A		-	-	0.000	-	-	2.100	-	-	2.400	-	-	1.500	-	-	-	-	-	1.500
LOW COST SAFETY MODIFICATIONS	P40A		-	-	0.010	-	-	0.004	-	-	0.005	-	-	0.005	-	-	-	-	-	0.005
LOW COST MODIFICATIONS	P40A		-	-	0.010	-	-	0.005	-	-	0.005	-	-	0.005	-	-	-	-	-	0.005
6088 - Pacer Classic III	P3A		-	-	15.215	-	-	25.979	-	-	15.808	-	-	27.176	-	-	-	-	-	27.176
Total Gross/Weapon System Cost					**169.672**			**31.032**			**20.455**			**28.686**			**-**			**28.686**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
T-38 ESCAPE SYSTEM UPGRADE	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	159.618
VDTS/SBIS	P40A		-	-	1.468	-	-	1.427	-	-	1.374	-	-	-	-	-	-	-	-	10.269
LOW COST SAFETY MODIFICATIONS	P40A		-	-	0.005	-	-	0.005	-	-	0.005	-	-	0.005	-	-	-	-	-	0.044
LOW COST MODIFICATIONS	P40A		-	-	0.006	-	-	0.006	-	-	0.006	-	-	0.006	-	-	-	-	-	0.049
6088 - Pacer Classic III	P3A		-	-	33.713	-	-	33.131	-	-	27.220	-	-	24.382	-	-	15.463	-	-	218.087
Total Gross/Weapon System Cost					**35.192**			**34.569**			**28.605**			**24.393**			**15.463**			**388.067**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	**P-1 Line Item Nomenclature:** T03800 - T-38	**Modification Nomenclature (*Modification Number - Modification Title*):** 6088 - Pacer Classic III
Models of Systems Affected: T-38C	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0804741F

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)*	15.215	25.979	15.808	27.176	-	27.176	33.713	33.131	27.220	24.382	15.463	218.087
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	15.215	25.979	15.808	27.176	-	27.176	33.713	33.131	27.220	24.382	15.463	218.087
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**15.215**	**25.979**	**15.808**	**27.176**	**-**	**27.176**	**33.713**	**33.131**	**27.220**	**24.382**	**15.463**	**218.087**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Pacer Classic III (PC III) is a depot-level modification program which replaces known life-limited components and ensures structural sustainment of 125 T-38C aircraft at high risk of grounding. Timely modifications will ensure execution of the Air Education and Training Command (AETC) advanced undergraduate pilot training mission to FY26.

PC III will replace major structural components within the aircraft fuselage including major longerons, bulkhead/formers, internal skins and structural floors. These modifications have been categorized as Safety of Flight and determined by HQ Air Force Materiel Command to be required to correct material deficiencies to ensure safety of personnel, systems or equipment. If uncorrrected, the hazard will ground the system or equipment, restrict flight or ground operations, or result in unacceptable risk to personnel.

The T-38 System Program Office (SPO), funded by AETC, the lead MAJCOM, and Euro NATO Joint Jet Pilot Training (ENJJPT) has defined and is managing the PC III structural retrofit to maintain AETC mission capability. PCIII program direction is provided by Program Management Directive(PMD) 2338(4) and 1067: AETC 2009-002.

PC III installations will be performed by the 309 Maintenance Wing (MXW) Forward Operating Location (FOL) at Randolph AFB, TX. Initial validation/verification installations occurred in FY13 with the remaining installations beginning in FY14.

Milestone/Development Status

Not applicable -- PC III is a form, fit and function replacement of aircraft structural components.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	**P-1 Line Item Nomenclature:** T03800 - T-38	**Modification Nomenclature (*Modification Number - Modification Title*):** 6088 - Pacer Classic III
Models of Systems Affected: T-38C	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0804741F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	**P-1 Line Item Nomenclature:** T03800 - T-38	**Modification Nomenclature (*Modification Number - Modification Title*):** 6088 - Pacer Classic III
Models of Systems Affected: T-38C	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0804741F

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												
Pacer Classic III												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	23 / 4.257	13 / 8.848	15 / 6.327	13 / 5.446	- / -	13 / 5.446	27 / 11.618	26 / 11.026	8 / 5.720	- / -	- / -	125 / 53.242
Subtotal Recurring	*23 / 4.257*	*13 / 8.848*	*15 / 6.327*	*13 / 5.446*	*- / -*	*13 / 5.446*	*27 / 11.618*	*26 / 11.026*	*8 / 5.720*	*- / -*	*- / -*	*125 / 53.242*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 1.364	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.364
Subtotal Non-Recurring	*0 / 1.364*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.364*
Secondary Distribution												
AF	23 / 15.215	13 / 25.979	15 / 11.467	13 / 9.076	- / -	13 / 9.076	27 / 14.567	26 / 13.976	8 / 8.090	- / 2.369	- / -	- / -
Total, Pacer Classic III	*23 / 5.621*	*13 / 8.848*	*15 / 6.327*	*13 / 5.446*	*- / -*	*13 / 5.446*	*27 / 11.618*	*26 / 11.026*	*8 / 5.720*	*- / -*	*- / -*	*125 / 54.606*
Total Procurement, All Modifications	*23 / 5.621*	*13 / 8.848*	*15 / 6.327*	*13 / 5.446*	*- / -*	*13 / 5.446*	*27 / 11.618*	*26 / 11.026*	*8 / 5.720*	*- / -*	*- / -*	*125 / 54.606*
Support												
OTHER GOVT	0 / 1.043	- / 0.440	- / 0.440	- / 0.240	- / -	- / 0.240	- / 0.279	- / 0.250	- / 0.250	- / 0.239	- / -	- / 3.181
TOOLING	0 / 4.627	- / 11.800	- / 0.750	- / 0.750	- / -	- / 0.750	- / 0.750	- / 0.750	- / 0.750	- / 0.750	- / 0.120	- / 21.047
OTHER GOVT (1)	0 / 2.789	- / 4.251	- / 3.300	- / 2.000	- / -	- / 2.000	- / 1.270	- / 1.290	- / 0.700	- / 0.700	- / 0.700	- / 17.000
PMA - Contractor Services	0 / 0.675	- / 0.580	- / 0.590	- / 0.600	- / -	- / 0.600	- / 0.610	- / 0.620	- / 0.630	- / 0.640	- / -	- / 4.945
PMA - Other Gov't Costs	0 / 0.460	- / 0.060	- / 0.060	- / 0.040	- / -	- / 0.040	- / 0.040	- / 0.040	- / 0.040	- / 0.040	- / 0.050	- / 0.830
Total Support, All Modifications	*9.594*	*17.131*	*5.140*	*3.630*	*-*	*3.630*	*2.949*	*2.950*	*2.370*	*2.369*	*0.870*	*47.003*
Total Procurement and Support	*15.215*	*25.979*	*11.467*	*9.076*	*-*	*9.076*	*14.567*	*13.976*	*8.090*	*2.369*	*0.870*	*101.609*
Pacer Classic III Installation Cost	0 / 0.000	- / -	2 / 4.341	22 / 18.100	- / -	22 / 18.100	22 / 19.146	22 / 19.155	22 / 19.130	22 / 22.013	13 / 14.593	125 / 116.478
Total Installation Cost	*0 / 0.000*	*- / -*	*2 / 4.341*	*22 / 18.100*	*- / -*	*22 / 18.100*	*22 / 19.146*	*22 / 19.155*	*22 / 19.130*	*22 / 22.013*	*13 / 14.593*	*125 / 116.478*
Total Cost (Procurement + Support + Installation)	**15.215**	**25.979**	**15.808**	**27.176**	**-**	**27.176**	**33.713**	**33.131**	**27.220**	**24.382**	**15.463**	**218.087**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	**P-1 Line Item Nomenclature:** T03800 - T-38	**Modification Nomenclature (*Modification Number - Modification Title*):** 6088 - Pacer Classic III
Models of Systems Affected: T-38C	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0804741F

Manufacturer Information: Pacer Classic III

Manufacturer Name: Northrop Grumman Tech Services	Manufacturer Location: Herndon, VA
Administrative Leadtime *(in Months)*: 9	Production Leadtime *(in Months)*: 18

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

Installation: Pacer Classic III	**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	- / -	- / -	2 / 4.341	21 / 17.098	- / -	21 / 17.098	- / -	- / -	- / -	- / -	0 / 0.000	23 / 21.439
Secondary Distribution - Air Force Active	- / -	- / -	2 / 4.341	21 / 17.098	- / -	21 / 17.098	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	1 / 1.002	- / -	1 / 1.002	12 / 12.300	- / -	- / -	- / -	- / -	13 / 13.302
Secondary Distribution - Air Force Active	- / -	- / -	- / -	1 / 1.002	- / -	1 / 1.002	12 / 12.300	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	10 / 6.846	5 / 5.243	- / -	- / -	- / -	15 / 12.089
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	10 / 6.846	5 / 5.243	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 9.718	- / -	- / -	- / -	13 / 9.718
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 9.718	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 4.194	22 / 19.130	1 / 1.097	- / -	27 / 24.421
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 4.194	22 / 19.130	1 / 1.097	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 20.916	5 / 5.613	26 / 26.529
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 20.916	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 8.980	8 / 8.980
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	2 / 4.341	22 / 18.100	- / -	22 / 18.100	22 / 19.146	22 / 19.155	22 / 19.130	22 / 22.013	13 / 14.593	125 / 116.478
Secondary Distribution - Air Force Active	- / -	- / -	2 / 4.341	22 / 18.100	- / -	22 / 18.100	22 / 19.146	22 / 19.155	22 / 19.130	22 / 22.013	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	**P-1 Line Item Nomenclature:** T03800 - T-38	**Modification Nomenclature (*Modification Number - Modification Title*):** 6088 - Pacer Classic III
Models of Systems Affected: T-38C	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0804741F

Installation: Pacer Classic III	Method of Implementation: Depot	Installation Name:

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	0	-	-	-	-	1	1	-	-	6	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5	13	125
Out	0	-	-	-	-	-	-	-	2	-	-	6	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5	24	125

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** 00U200 - U-2 Mods

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0305202F

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)*	-	-	91.277	45.591	-	45.591	61.120	20.233	43.900	52.835	-	314.956
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	91.277	45.591	-	45.591	61.120	20.233	43.900	52.835	-	314.956
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**91.277**	**45.591**	**-**	**45.591**	**61.120**	**20.233**	**43.900**	**52.835**	**-**	**314.956**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

FY13 funding totals include $46.8M requested for Overseas Contingency Operations.

The CIA established the Senior Year Program in 1955. The program has evolved to include the airframes, engines, sensors, cameras, recorders, data links life support systems, test facilities and equipment. The U-2S model airframes were constructed in the late 1980s, with the last aircraft rolling off the assembly line in 1989. The U-2S provides global reconnaissance signals intelligence (SIGINT) and geospatial intelligence (GEOINT) 24 hours a day, seven days a week in support of national and DoD worldwide missions. The U-2 is currently deployed to forward operating locations (FOL) around the world. Modifications to the aircraft are required to ensure continued operations.

The current U-2 inventory includes 27 operational/mission capable aircraft, and five (5) trainer aircraft.

This program has associated Research, Development, Test and Evaluation funding in PE 0305202F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	91.277	45.591	-	45.591	61.120	20.233	43.900	52.835

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** 00U200 - U-2 Mods

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0305202F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
4494 - U-2 Mod	P3A		-	-	-	-	-	-	-	-	91.277	-	-	45.591	-	-	-	-	-	45.591
Total Gross/Weapon System Cost					**-**			**-**			**91.277**			**45.591**			**-**			**45.591**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
4494 - U-2 Mod	P3A		-	-	61.120	-	-	20.233	-	-	43.900	-	-	52.835	-	-	-	-	-	314.956
Total Gross/Weapon System Cost					**61.120**			**20.233**			**43.900**			**52.835**			**-**			**314.956**

*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:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** 00U200 - U-2 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 4494 - U-2 Mod
Models of Systems Affected: No text provided.	**Type Modification:** 0	**Related RDT&E PEs:** 0305202F

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)*	-	-	91.277	45.591	-	45.591	61.120	20.233	43.900	52.835	-	314.956
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	91.277	45.591	-	45.591	61.120	20.233	43.900	52.835	-	314.956
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**91.277**	**45.591**	**-**	**45.591**	**61.120**	**20.233**	**43.900**	**52.835**	**-**	**314.956**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

FY13 funding totals include $46.8M requested for Overseas Contingency Operations.

The CIA established the Senior Year Program in 1955. The program has evolved to include the airframe, engines, sensors, cameras, recorders, data links, life support systems, test facilities and equipment. The U-2S model airframe was constructed in the late 1980s, with the last aircraft rolling off the assembly line in 1989. The U-2S provides global reconnaissance signals intelligence (SIGINT) and geospatial intelligence (GEOINT) 24 hours a day, seven days a week in support of national and DoD worldwide missions. The U-2 is currently deployed to forward operating locations (FOL) around the world. Modifications to the aircraft are required to ensure continued operations.

The U-2 hosts a number of critical reconnaissance payloads, the program is currently conducting several Quick Response Capability efforts.

SYERS
- Modify optics and focal planes
- Maximize spatial capabilities
- Maximize VISFPA capabilities
- Improve spectral calibration procedures and architecture
- Automated Processing Exploitation and Dissemination (PED) improvements

AN/ASQ-230
- Purchase swap kits to convert RQ-4 SIGINT sensors for use on the U-2 aircraft
-Pod only installation

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** 00U200 - U-2 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 4494 - U-2 Mod
Models of Systems Affected: No text provided.	**Type Modification:** 0	**Related RDT&E PEs:** 0305202F

U-2 Power System Upgrade
-Update current Silver-Zinc (AgZn) battery technology
-Upgrading the AMAD and A/C Generator ICW Li-ion Technology will reduce the deployment footprint and remove H70 Hydrazine from the U-2
-Higher power generator will provide the capacity to support future avionics and payload upgrades

U-2 Mission Planning Joint Mission Planning System (JMPS) Migration
-Joint Mission Planning System (JMPS) is the USG-certified Navigational Track System replacing existing U-2 Mission Planning system (aka AFMSS)
-Provide critical integration to support the Combat Air Forces

U-2 EWS Low Band Processor Upgrade
-Upgrade to the U-2's AN/ALQ-221 EWS
-Upgrade of hardware/software will provide increased capability to detect and counter new and emerging threats

Joint Enterprise Terminal Multi Domain Interface (JET MDI)
-Allows 4th to 5th Generation Communication
-Makes 5th Generation "SA" discoverable to the 1C

The current U-2 inventory includes 27 operational/mission capable aircraft, and five (5) trainer aircraft.

Milestone/Development Status

Various efforts will continue in FY14 to develop technologies and capabilities supporting U-2 operations, and will be fielded onto the U-2 platforms, on a schedule dependent on system requirements.

Additional details are classified and available on a need-to-know basis.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** 00U200 - U-2 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 4494 - U-2 Mod
Models of Systems Affected: No text provided.	**Type Modification:** 0	**Related RDT&E PEs:** 0305202F

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)*
RDT&E PE #												
0305202F	0 / 0.000	- / -	- / 23.644	- / 18.700	- / -	- / 18.700	- / 11.300	- / 12.100	- / 8.600	- / 8.755	- / -	- / 83.099
Procurement												
U-2 Mod												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	2 / 91.277	1 / 20.191	- / -	1 / 20.191	1 / 41.300	1 / 17.533	2 / 31.300	1 / 23.935	- / -	8 / 225.536
Subtotal Recurring	*0 / 0.000*	*- / -*	*2 / 91.277*	*1 / 20.191*	*- / -*	*1 / 20.191*	*1 / 41.300*	*1 / 17.533*	*2 / 31.300*	*1 / 23.935*	*- / -*	*8 / 225.536*
Secondary Distribution												
AF	0 / 0.000	- / -	2 / 91.277	1 / 20.191	- / -	1 / 20.191	1 / 41.300	1 / 17.533	2 / 31.300	1 / 23.935	- / -	- / -
Total, U-2 Mod	*0 / 0.000*	*- / -*	*2 / 91.277*	*1 / 20.191*	*- / -*	*1 / 20.191*	*1 / 41.300*	*1 / 17.533*	*2 / 31.300*	*1 / 23.935*	*- / -*	*8 / 225.536*
Total Procurement, All Modifications	*0 / 0.000*	*- / -*	*2 / 91.277*	*1 / 20.191*	*- / -*	*1 / 20.191*	*1 / 41.300*	*1 / 17.533*	*2 / 31.300*	*1 / 23.935*	*- / -*	*8 / 225.536*
Total Procurement and Support	*0.000*	*-*	*91.277*	*20.191*	*-*	*20.191*	*41.300*	*17.533*	*31.300*	*23.935*	*-*	*225.536*
U-2 Mod Installation Cost	0 / 0.000	- / -	- / -	2 / 25.400	- / -	2 / 25.400	1 / 19.820	1 / 2.700	1 / 12.600	2 / 28.900	1 / -	8 / 89.420
Total Installation Cost	*0 / 0.000*	*- / -*	*- / -*	*2 / 25.400*	*- / -*	*2 / 25.400*	*1 / 19.820*	*1 / 2.700*	*1 / 12.600*	*2 / 28.900*	*1 / -*	*8 / 89.420*
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**91.277**	**45.591**	**-**	**45.591**	**61.120**	**20.233**	**43.900**	**52.835**	**-**	**314.956**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** 00U200 - U-2 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 4494 - U-2 Mod
Models of Systems Affected: No text provided.	**Type Modification:** 0	**Related RDT&E PEs:** 0305202F

Manufacturer Information: U-2 Mod

Manufacturer Name: Details classified.	Manufacturer Location: Details classified.
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 2013	Mar 2014	Mar 2015	Mar 2016	Mar 2017	Mar 2018
Delivery Dates		Mar 2014	Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019

Installation: U-2 Mod	Method of Implementation: Contractor Facility	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	2 / 25.400	- / -	2 / 25.400	- / -	- / -	- / -	- / -	- / -	2 / 25.400
Secondary Distribution - Air Force Active	- / -	- / -	- / -	2 / 25.400	- / -	2 / 25.400	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	1 / 19.820	- / -	- / -	- / -	- / -	1 / 19.820
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	1 / 19.820	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.700	- / -	- / -	- / -	1 / 2.700
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.700	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 12.600	- / -	- / -	1 / 12.600
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 12.600	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 28.900	- / -	2 / 28.900
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 28.900	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 25.400	- / -	2 / 25.400	1 / 19.820	1 / 2.700	1 / 12.600	2 / 28.900	- / -	7 / 89.420
Secondary Distribution - Air Force Active	- / -	- / -	- / -	2 / 25.400	- / -	2 / 25.400	1 / 19.820	1 / 2.700	1 / 12.600	2 / 28.900	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** 00U200 - U-2 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 4494 - U-2 Mod
Models of Systems Affected: No text provided.	**Type Modification:** 0	**Related RDT&E PEs:** 0305202F

Installation: U-2 Mod	Method of Implementation: Contractor Facility	Installation Name:

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	0	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	2	-	1	8
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	1	-	-	-	1	-	3	8

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C01000 - KC-10A (ATCA)

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401219F, 0401897F

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)*	19.580	9.820	46.921	70.918	-	70.918	34.656	8.467	4.700	4.785	0.010	199.857
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	19.580	9.820	46.921	70.918	-	70.918	34.656	8.467	4.700	4.785	0.010	199.857
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**19.580**	**9.820**	**46.921**	**70.918**	**-**	**70.918**	**34.656**	**8.467**	**4.700**	**4.785**	**0.010**	**199.857**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	0.597	6.005	4.855	8.207	-	8.207	6.824	-	-	-	-	26.488
Flyaway Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 line item funds modifications for the fleet of 59 KC-10 aircraft with a projected service life of 2045. On average, the aircraft are 28 years old with 32 service years remaining. The three engine KC-10 serves a dual role by providing both air refueling and strategic airlift support. The aircraft provides air refueling by using both the boom and the drogue methods and can carry up to 27 standard 463-L pallets. The primary modifications are Communications Navigation Surveillance/Air Traffic Management (CNS/ATM), and Service Bulletins (SBs) that address obsolescence issues, provide worldwide civil airspace accessibility and incorporate aging aircraft and FAA certification requirements.

Funding for this exhibit contained in PEs 0401219F and 0401897F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	9.820	46.921	70.918	-	70.918	34.656	8.467	4.700	4.785

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Boom Control Unit (BCU)	P40A		-	-	1.661	-	-	3.980	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
C01000 - KC-10A (ATCA)

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401219F, 0401897F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Mode 5	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UHF SATCOM Antenna	P40A		-	-	4.071	-	-	0.110	-	-	0.803	-	-	1.056	-	-	-	-	-	1.056
KC-10 Drag initiative	P40A		-	-	0.000	-	-	-	-	-	0.175	-	-	-	-	-	-	-	-	-
LOW COST SAFETY MODIFICATIONS	P40A		-	-	0.005	-	-	0.001	-	-	0.010	-	-	0.010	-	-	-	-	-	0.010
LOW COST MODIFICATIONS	P40A		-	-	3.919	-	-	0.020	-	-	0.650	-	-	0.187	-	-	-	-	-	0.187
7726 - CNS/ATM	P3A		-	-	-	-	-	-	-	-	38.900	-	-	64.600	-	-	-	-	-	64.600
1 - SERVICE BULLETINS	P3A		-	-	9.924	-	-	5.709	-	-	6.383	-	-	5.065	-	-	-	-	-	5.065
Total Gross/Weapon System Cost					**19.580**			**9.820**			**46.921**			**70.918**			**-**			**70.918**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Boom Control Unit (BCU)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.641
Mode 5	P40A		-	-	-	-	-	4.885	-	-	4.660	-	-	2.053	-	-	-	-	-	11.598
UHF SATCOM Antenna	P40A		-	-	0.189	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.229
KC-10 Drag initiative	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.175
LOW COST SAFETY MODIFICATIONS	P40A		-	-	0.010	-	-	0.010	-	-	0.010	-	-	0.010	-	-	0.010	-	-	0.076
LOW COST MODIFICATIONS	P40A		-	-	0.308	-	-	0.143	-	-	0.020	-	-	0.020	-	-	-	-	-	5.267
7726 - CNS/ATM	P3A		-	-	28.660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	132.160
1 - SERVICE BULLETINS	P3A		-	-	5.489	-	-	3.429	-	-	0.010	-	-	2.702	-	-	-	-	-	38.711
Total Gross/Weapon System Cost					**34.656**			**8.467**			**4.700**			**4.785**			**0.010**			**199.857**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C01000 - KC-10A (ATCA)	**Modification Nomenclature (*Modification Number - Modification Title*):** 7726 - CNS/ATM
Models of Systems Affected: KC-10	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401219F

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)*	-	-	38.900	64.600	-	64.600	28.660	-	-	-	-	132.160
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	38.900	64.600	-	64.600	28.660	-	-	-	-	132.160
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**38.900**	**64.600**	**-**	**64.600**	**28.660**	**-**	**-**	**-**	**-**	**132.160**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	5.630	4.855	8.207	-	8.207	6.824	-	-	-	-	25.516
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 KC-10 Communications, Navigation, and Surveillance/Air Traffic Management (CNS/ATM) program provides worldwide civil airspace accessibility by FY 2015 for the fleet of 59 aircraft. FAA airworthiness certification following the modification is required. An upgrade of the current Flight Management System (FMS) and Inertial Navigation System (INS) is required to meet the 2015 CNS/ATM requirements and address associated INS and FMS obsolescence issues. This capability gap is well documented in both RAND KC-10 Analysis of Alternatives (AoA) and Service Life Extension Program (SLEP) Studies. Avionics components shall use either Commercial Off-The-Shelf (COTS), or Military Off-The-Shelf (MOTS) software and hardware. CNS/ATM requirements include: Required Navigation Performance 4 (RNP-4) Oceanic/Remote for enroute Oceanic Airspace with either 50/50 nautical mile (NM) or 30/30 NM separations; Area Navigation (RNAV) 2 & 1 for enroute & terminal airspace operations; Precision-RNAV (P-RNAV) for preferred terminal area routes in Europe (1 NM Accuracy); RNP-4 & RNP-1 for reduced separations enroute, and terminal airspace; Time of Arrival Control for Refuel rendezvous (within 30sec); Automated Dependent Surveillance-B Out (ADS-B Out) for enhanced air and ground surveillance; Global Positioning System (GPS) for enhanced navigation capability; Selective Availability Anti-Spoofing Module (SAASM) for GPS Security; Satellite Data Link for Aircrew Training System (ATS) and Command and Control (C2) Communications for flight in Oceanic Airspace (FL310-410); Satellite Voice for Beyond-Line-Of-Sight (BLOS) Pilot-Controller Communications and C2 Operations; and Very High Frequency Datalink (VDL) Mode-2 for Line of Sight (LOS) Pilot-Controller Communications and C2 Operations.

This program has associated Research, Development, Test & Evaluation (RDT&E) funding in PE 0401219F. Two Group A/B modification kits have been procured using FY12 RDT&E funding with the aircraft inducted in 1Q and 2Q of FY13 for installation.

Milestone/Development Status

Engineering Manufacturing Development (EMD) and production contract for 59 aircraft awarded 1 Jul 11 with ground test starting in Apr 13 and flight test starting in Jun 13.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C01000 - KC-10A (ATCA)	**Modification Nomenclature (*Modification Number - Modification Title*):** 7726 - CNS/ATM
Models of Systems Affected: KC-10	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401219F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C01000 - KC-10A (ATCA)	**Modification Nomenclature (*Modification Number - Modification Title*):** 7726 - CNS/ATM
Models of Systems Affected: KC-10	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401219F

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)*
RDT&E PE #												
0401219F	0 / 65.333	2 / 30.868	- / 22.122	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 118.323
Procurement												
CNS/ATM												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	25 / 5.270	32 / 6.890	- / -	32 / 6.890	- / -	- / -	- / -	- / -	- / -	57 / 12.160
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
INSTALL KITS Group A (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*0 / 0.000*	- / -	*25 / 5.270*	*32 / 6.890*	- / -	*32 / 6.890*	- / -	- / -	- / -	- / -	- / -	*57 / 12.160*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	25 / 25.147	32 / 33.155	- / -	32 / 33.155	- / -	- / -	- / -	- / -	- / -	57 / 58.302
Subtotal Recurring	*0 / 0.000*	- / -	*25 / 25.147*	*32 / 33.155*	- / -	*32 / 33.155*	- / -	- / -	- / -	- / -	- / -	*57 / 58.302*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	- / -	- / 0.060	- / 0.122	- / -	- / 0.122	- / -	- / -	- / -	- / -	- / -	- / 0.182
Subtotal Non-Recurring	*0 / 0.000*	- / -	*- / 0.060*	*- / 0.122*	- / -	*- / 0.122*	- / -	- / -	- / -	- / -	- / -	*- / 0.182*
Secondary Distribution												
AF	0 / 0.000	- / -	25 / 38.900	32 / 51.136	- / -	32 / 51.136	- / 14.160	- / -	- / -	- / -	- / -	- / -
Total, CNS/ATM	*0 / 0.000*	- / -	*25 / 30.477*	*32 / 40.167*	- / -	*32 / 40.167*	- / -	- / -	- / -	- / -	- / -	*57 / 70.644*
Total Procurement, All Modifications	*0 / 0.000*	- / -	*25 / 30.477*	*32 / 40.167*	- / -	*32 / 40.167*	- / -	- / -	- / -	- / -	- / -	*57 / 70.644*
Support												
CHANGE ORDERS	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.500	- / -	- / -	- / -	- / -	- / 1.500
DATA	0 / 0.000	- / -	- / 3.700	- / -	- / -	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / 4.200
SIM/TRAINER	0 / 0.000	- / -	- / 1.002	- / 3.305	- / -	- / 3.305	- / -	- / -	- / -	- / -	- / -	- / 4.307
SUPPORT- EQUIP	0 / 0.000	- / -	- / 1.296	- / 0.500	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / 1.796
FLIGHT TEST	0 / 0.000	- / -	- / 1.000	- / 2.000	- / -	- / 2.000	- / 6.000	- / -	- / -	- / -	- / -	- / 9.000
OTHER GOVT	0 / 0.000	- / -	- / 1.375	- / 3.814	- / -	- / 3.814	- / 4.810	- / -	- / -	- / -	- / -	- / 9.999

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C01000 - KC-10A (ATCA)	**Modification Nomenclature (*Modification Number - Modification Title*):** 7726 - CNS/ATM
Models of Systems Affected: KC-10	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401219F

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)*
PMA - Contractor Services	0 / 0.000	- / -	- / -	- / 1.200	- / -	- / 1.200	- / 1.200	- / -	- / -	- / -	- / -	- / 2.400
PMA - Other Gov't Costs	0 / 0.000	- / -	- / 0.050	- / 0.150	- / -	- / 0.150	- / 0.150	- / -	- / -	- / -	- / -	- / 0.350
Total Support, All Modifications	*0.000*	-	*8.423*	*10.969*	-	*10.969*	*14.160*	-	-	-	-	*33.552*
Total Procurement and Support	*0.000*	-	*38.900*	*51.136*	-	*51.136*	*14.160*	-	-	-	-	*104.196*
CNS/ATM Installation Cost	0 / 0.000	- / -	- / -	25 / 13.464	- / -	25 / 13.464	32 / 14.500	- / -	- / -	- / -	- / -	57 / 27.964
Total Installation Cost	*0 / 0.000*	- / -	- / -	*25 / 13.464*	- / -	*25 / 13.464*	*32 / 14.500*	- / -	- / -	- / -	- / -	*57 / 27.964*
Total Cost (Procurement + Support + Installation)	**0.000**	-	**38.900**	**64.600**	-	**64.600**	**28.660**	-	-	-	-	**132.160**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C01000 - KC-10A (ATCA)	**Modification Nomenclature (*Modification Number - Modification Title*):** 7726 - CNS/ATM
Models of Systems Affected: KC-10	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401219F

Manufacturer Information: CNS/ATM

Manufacturer Name: Rockwell Collins	Manufacturer Location: Cedar Rapids, IA
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		Mar 2013	Oct 2013				
Delivery Dates		Jan 2014	Oct 2014				

Installation: CNS/ATM	Method of Implementation: Contractor Facility	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	25 / 13.464	- / -	25 / 13.464	- / -	- / -	- / -	- / -	- / -	25 / 13.464
Secondary Distribution - Air Force Active	- / -	- / -	- / -	25 / 13.464	- / -	25 / 13.464	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	32 / 14.500	- / -	- / -	- / -	- / -	32 / 14.500
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	32 / 14.500	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	25 / 13.464	- / -	25 / 13.464	32 / 14.500	- / -	- / -	- / -	- / -	57 / 27.964
Secondary Distribution - Air Force Active	- / -	- / -	- / -	25 / 13.464	- / -	25 / 13.464	32 / 14.500	- / -	- / -	- / -	- / -	- / -

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	0	-	-	-	-	-	-	-	-	-	5	9	11	9	10	9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	57
Out	0	-	-	-	-	-	-	-	-	-	1	9	9	10	10	11	7	-	-	-	-	-	-	-	-	-	-	-	-	-	57

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C01000 - KC-10A (ATCA)	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - SERVICE BULLETINS
Models of Systems Affected: KC-10	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0401219F

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)*	9.924	5.709	6.383	5.065	-	5.065	5.489	3.429	0.010	2.702	-	38.711
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	9.924	5.709	6.383	5.065	-	5.065	5.489	3.429	0.010	2.702	-	38.711
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**9.924**	**5.709**	**6.383**	**5.065**	**-**	**5.065**	**5.489**	**3.429**	**0.010**	**2.702**	**-**	**38.711**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

These funds pay for Service Bulletins (SBs), Airworthiness Directives (ADs), and All Operator Letters (AOLs) issued to correct identified deficiencies, provide product improvements, and incorporate aging aircraft and FAA certification requirements. The current major requirements include fuel system updates and flight control cable freeze protection.

Milestone/Development Status

N/A

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C01000 - KC-10A (ATCA)	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - SERVICE BULLETINS
Models of Systems Affected: KC-10	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0401219F

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												
SERVICE BULLETINS												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	4 / 9.924	1 / 5.709	1 / 6.383	1 / 5.035	- / -	1 / 5.035	1 / 5.459	1 / 3.399	1 / 0.010	1 / 2.672	- / -	11 / 38.591
Subtotal Recurring	*4 / 9.924*	*1 / 5.709*	*1 / 6.383*	*1 / 5.035*	*- / -*	*1 / 5.035*	*1 / 5.459*	*1 / 3.399*	*1 / 0.010*	*1 / 2.672*	*- / -*	*11 / 38.591*
Secondary Distribution												
AF	0 / 9.924	- / 5.709	- / 6.383	- / 5.065	- / -	- / 5.065	- / 5.489	- / 3.429	- / 0.010	- / 2.702	- / -	- / -
Total, SERVICE BULLETINS	*0 / 9.924*	*- / 5.709*	*- / 6.383*	*- / 5.035*	*- / -*	*- / 5.035*	*- / 5.459*	*- / 3.399*	*- / 0.010*	*- / 2.672*	*- / -*	*- / 38.591*
Total Procurement, All Modifications	*0 / 9.924*	*- / 5.709*	*- / 6.383*	*- / 5.035*	*- / -*	*- / 5.035*	*- / 5.459*	*- / 3.399*	*- / 0.010*	*- / 2.672*	*- / -*	*- / 38.591*
Support												
PMA - Other Gov't Costs	0 / 0.000	- / -	- / -	- / 0.030	- / -	- / 0.030	- / 0.030	- / 0.030	- / -	- / 0.030	- / -	- / 0.120
Total Support, All Modifications	*0.000*	*-*	*-*	*0.030*	*-*	*0.030*	*0.030*	*0.030*	*-*	*0.030*	*-*	*0.120*
Total Procurement and Support	*9.924*	*5.709*	*6.383*	*5.065*	*-*	*5.065*	*5.489*	*3.429*	*0.010*	*2.702*	*-*	*38.711*
Total Installation Cost	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total Cost (Procurement + Support + Installation)	**9.924**	**5.709**	**6.383**	**5.065**	**-**	**5.065**	**5.489**	**3.429**	**0.010**	**2.702**	**-**	**38.711**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C01000 - KC-10A (ATCA)	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - SERVICE BULLETINS
Models of Systems Affected: KC-10	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0401219F

Manufacturer Information: SERVICE BULLETINS

Manufacturer Name: Northrup Grumman	Manufacturer Location: Lake Charles, LA
Administrative Leadtime *(in Months)*: 0	Production Leadtime *(in Months)*: 0

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

Installation: SERVICE BULLETINS	**Method of Implementation:** Org/Intermediate	**Installation Quantity:** 0

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C01200 - C-12

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0305230F, 0401314F

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)*	3.053	1.777	1.876	1.876	-	1.876	1.979	2.014	2.050	2.087	7.287	23.999
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	3.053	1.777	1.876	1.876	-	1.876	1.979	2.014	2.050	2.087	7.287	23.999
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**3.053**	**1.777**	**1.876**	**1.876**	**-**	**1.876**	**1.979**	**2.014**	**2.050**	**2.087**	**7.287**	**23.999**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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

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

Description:

This line item funds low-cost modifications and service bulletins for 28 C-12 C, D, F, and J aircraft, commercial equivalent to the Beech Craft Super King Air. The C-12 is a twin-turboprop, support-airlift aircraft used to transport cargo and passengers over medium distances. The design service life is 30,000 hours with 22,000 hours remaining on the D (6), 19,000 remaining on the C (16), 17,000 on the J (4) and 10,000 on the F (2). Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

Funding for this exhibit contained in PE 0401314F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.777	1.876	1.876	-	1.876	1.979	2.014	2.050	2.087

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
SERVICE BULLETINS	P40A		-	-	2.233	-	-	1.627	-	-	1.376	-	-	1.376	-	-	-	-	-	1.376

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
C01200 - C-12

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0305230F, 0401314F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
LOW COST MODIFICATIONS	P40A		-	-	0.820	-	-	0.150	-	-	0.500	-	-	0.500	-	-	-	-	-	0.500
Total Gross/Weapon System Cost					**3.053**			**1.777**			**1.876**			**1.876**			**-**			**1.876**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
SERVICE BULLETINS	P40A		-	-	1.479	-	-	1.514	-	-	1.650	-	-	1.650	-	-	5.687	-	-	18.592
LOW COST MODIFICATIONS	P40A		-	-	0.500	-	-	0.500	-	-	0.400	-	-	0.437	-	-	1.600	-	-	5.407
Total Gross/Weapon System Cost					**1.979**			**2.014**			**2.050**			**2.087**			**7.287**			**23.999**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C012WM - MC-12W

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0305230F

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)*	-	33.843	17.054	5.000	-	5.000	23.223	12.465	12.689	12.917	-	117.191
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	33.843	17.054	5.000	-	5.000	23.223	12.465	12.689	12.917	-	117.191
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**33.843**	**17.054**	**5.000**	**-**	**5.000**	**23.223**	**12.465**	**12.689**	**12.917**	**-**	**117.191**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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

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

Description:

The Air Force's FY 2014 President's Budget retains the MC-12W LPA mission in the Active Duty. All investment funding will remain in the Active Duty PE 0305230F, ISR for Irregular Warfare, through the FYDP. Funding for this exhibit contained in PE 0305230F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	33.843	17.054	5.000	-	5.000	23.223	12.465	12.689	12.917

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
9144 - C-12 ISR Modifications	P3A		-	-	-	-	-	33.843	-	-	17.054	-	-	5.000	-	-	-	-	-	5.000
Total Gross/Weapon System Cost					**-**			**33.843**			**17.054**			**5.000**			**-**			**5.000**

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
C012WM - MC-12W

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0305230F

MDAP/MAIS Code(s):

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
9144 - C-12 ISR Modifications	P3A		-	-	23.223	-	-	12.465	-	-	12.689	-	-	12.917	-	-	-	-	-	117.191
Total Gross/Weapon System Cost					**23.223**			**12.465**			**12.689**			**12.917**			**-**			**117.191**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C012WM - MC-12W	**Modification Nomenclature (*Modification Number - Modification Title*):** 9144 - C-12 ISR Modifications
Models of Systems Affected: MC-12W	**Type Modification:** Other	**Related RDT&E PEs:** 0305230F

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)*	-	33.843	17.054	5.000	-	5.000	23.223	12.465	12.689	12.917	-	117.191
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	33.843	17.054	5.000	-	5.000	23.223	12.465	12.689	12.917	-	117.191
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**33.843**	**17.054**	**5.000**	**-**	**5.000**	**23.223**	**12.465**	**12.689**	**12.917**	**-**	**117.191**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Liberty Project Aircraft (LPA), military designation MC-12W, is the Air Force's multi-role, medium altitude, manned aircraft system performing an intelligence, surveillance, and reconnaissance (ISR) mission coupled with a target acquisition (TA) capability. LPA was initiated through the SECDEF-directed ISR Task Force to address the ever-increasing Combatant Commander's requirements to satisfy ISR capabilities shortfalls in on-going Overseas Contingency Operations (OCO). Program management is the responsibility of the 645th Aeronautical Systems Group (AESG, BIG SAFARI System Program Office) and L-3 Communications (L-3Com) is on contract as the prime integrator for the MC-12W LPA system.

FY 2014 funds will be used to continue system updates in response to user needs and requirements to include, but not be limited to, airframe components, SIGINT sensors systems, data links, Electro-Optical/ Infrared (EO/IR) sensors, and the mission management system as prioritized by Air Combat Command's Requirements Working Group.

The composition of the MC-12W LPA fleet of 42 aircraft as First Quarter FY 2013 is as follows:
- Four (4) King Air 350 aircraft remain in the MC-12W LPA Baseline 1 configuration and are on loan indefinitely to USSOCOM
- Two (2) King Air 350 aircraft have been retrofitted from their MC-12W LPA Baseline 1 configuration to the MC-12W LPA Baseline 3 configuration
- The seventh and last King Air 350 aircraft is currently being retrofitted from its MC-12W LPA Baseline 1 configuration to the MC-12W LPA Baseline 3 configuration
- Five (5) King Air 350ER aircraft procured with the FY 2010 OCO funding were delivered in the MC-12W Baseline 3 configuration
- Thirty (30) King Air 350ER aircraft were delivered in the original MC-12W Baseline 2 configuration. All these aircraft will be retrofitted from the Baseline 2 to the Baseline 3 configuration through FY 2016, predicated on operational needs and availability of re-deployed MC-12W LPA Baseline 2 aircraft.

Milestone/Development Status

645 AESG selected L-3 Communications (L-3Com), Greenville, TX as their prime contractor for the integration and modification of Hawker Beechcraft Corporation (HBC) King Air 350/350ER aircraft into MC-12W Liberty Project Aircraft (LPA) intelligence, surveillance and reconnaissance (ISR) platforms. L-3Com modified and delivered 37 MC-12W LPA to the Air Force between 27 April 2009 and 18 August 2010. L-3Com was awarded a subsequent contract on 21 December 2010 to modify five additional King Air 350ER aircraft to the MC-12W LPA Baseline 2 configuration (LPA #38 through #42). This contract

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C012WM - MC-12W	**Modification Nomenclature (*Modification Number - Modification Title*):** 9144 - C-12 ISR Modifications
Models of Systems Affected: MC-12W	**Type Modification:** Other	**Related RDT&E PEs:** 0305230F

was amended in August 2011 to include the integration of the enhanced High Definition (HD) capabilities to the EO/IR sensor ball, an intercom system and Tactical Air Navigation (TACAN) unit installation to what is now referred to as the Baseline 3 configuration. L-3Com delivered all five of the MC-12W LPA (#38 through #42) purchased with FY 2010 OCO in the First Quarter of FY 2012. The MC-12W LPA fleet build of 42 aircraft is complete.

All currently planned or anticipated updates are based upon commercially available (commercial off-the-shelf or COTS) or proven military systems (government off-the-shelf or GOTS) that do not require additional development to install or integrate on the MC-12W LPA.

Twenty-seven MC-12W LPA are currently deployed to the USCENTCOM theater of operations to support Overseas Contingency Operations (OCO). Six MC-12W LPA are currently utilized as dedicated training assets operated by the 9th Reconnaissance Wing (ACC), Beale AFB, CA. Four Baseline 1 MC-12W LPA configured aircraft were put on loan to USSOCOM in December 2011 for an indefinite period of time to augment their C-12 JavaMan program. The five remaining MC-12W LPA are currently in some aspect of modification by L-3Com.

L-3Com is on contract to modify and/or retrofit the entire MC-12W LPA fleet, minus the four aircraft on loan to USSOCOM, to the MC-12W Baseline 3 configuration. This effort was initiated in FY 2011 and projected to continue through FY 2016.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C012WM - MC-12W	**Modification Nomenclature (*Modification Number - Modification Title*):** 9144 - C-12 ISR Modifications
Models of Systems Affected: MC-12W	**Type Modification:** Other	**Related RDT&E PEs:** 0305230F

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)*
RDT&E PE #												
0305230F	0 / 0.000	- / -	- / 19.949	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.949
Procurement												
C-12 ISR Modifications												
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	2 / 31.543	9 / 11.054	7 / -	- / -	7 / -	10 / 16.723	5 / 8.465	- / 11.189	- / 11.417	- / -	33 / 90.391
Subtotal Recurring	*0 / 0.000*	*2 / 31.543*	*9 / 11.054*	*7 / -*	*- / -*	*7 / -*	*10 / 16.723*	*5 / 8.465*	*- / 11.189*	*- / 11.417*	*- / -*	*33 / 90.391*
Secondary Distribution												
AF	0 / 0.000	2 / 32.843	9 / 12.554	7 / 1.500	- / -	7 / 1.500	10 / 18.223	5 / 9.965	- / 12.689	- / 12.917	- / -	- / -
Total, C-12 ISR Modifications	*0 / 0.000*	*2 / 31.543*	*9 / 11.054*	*7 / -*	*- / -*	*7 / -*	*10 / 16.723*	*5 / 8.465*	*- / 11.189*	*- / 11.417*	*- / -*	*33 / 90.391*
Total Procurement, All Modifications	*0 / 0.000*	*2 / 31.543*	*9 / 11.054*	*7 / -*	*- / -*	*7 / -*	*10 / 16.723*	*5 / 8.465*	*- / 11.189*	*- / 11.417*	*- / -*	*33 / 90.391*
Support												
PMA	0 / 0.000	- / 1.300	- / 1.500	- / 1.500	- / -	- / 1.500	- / 1.500	- / 1.500	- / 1.500	- / 1.500	- / -	- / 10.300
Total Support, All Modifications	*0.000*	*1.300*	*1.500*	*1.500*	*-*	*1.500*	*1.500*	*1.500*	*1.500*	*1.500*	*-*	*10.300*
Total Procurement and Support	*0.000*	*32.843*	*12.554*	*1.500*	*-*	*1.500*	*18.223*	*9.965*	*12.689*	*12.917*	*-*	*100.691*
C-12 ISR Modifications Installation Cost	0 / 0.000	2 / 1.000	9 / 4.500	7 / 3.500	- / -	7 / 3.500	10 / 5.000	5 / 2.500	- / -	- / -	- / -	33 / 16.500
Total Installation Cost	*0 / 0.000*	*2 / 1.000*	*9 / 4.500*	*7 / 3.500*	*- / -*	*7 / 3.500*	*10 / 5.000*	*5 / 2.500*	*- / -*	*- / -*	*- / -*	*33 / 16.500*
Total Cost (Procurement + Support + Installation)	**0.000**	**33.843**	**17.054**	**5.000**	**-**	**5.000**	**23.223**	**12.465**	**12.689**	**12.917**	**-**	**117.191**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C012WM - MC-12W	**Modification Nomenclature (*Modification Number - Modification Title*):** 9144 - C-12 ISR Modifications
Models of Systems Affected: MC-12W	**Type Modification:** Other	**Related RDT&E PEs:** 0305230F

Manufacturer Information: C-12 ISR Modifications

Manufacturer Name: Unknown	Manufacturer Location: Unknown
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 8

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

Installation: C-12 ISR Modifications	Method of Implementation: Contractor Facility	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	2 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.000
Secondary Distribution - Air Force Active	- / -	2 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	9 / 4.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 4.500
Secondary Distribution - Air Force Active	- / -	- / -	9 / 4.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	7 / 3.500	- / -	7 / 3.500	- / -	- / -	- / -	- / -	- / -	7 / 3.500
Secondary Distribution - Air Force Active	- / -	- / -	- / -	7 / 3.500	- / -	7 / 3.500	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	10 / 5.000	- / -	- / -	- / -	- / -	10 / 5.000
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	10 / 5.000	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.500	- / -	- / -	- / -	5 / 2.500
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.500	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	2 / 1.000	9 / 4.500	7 / 3.500	- / -	7 / 3.500	10 / 5.000	5 / 2.500	- / -	- / -	- / -	33 / 16.500
Secondary Distribution - Air Force Active	- / -	2 / 1.000	9 / 4.500	7 / 3.500	- / -	7 / 3.500	10 / 5.000	5 / 2.500	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C012WM - MC-12W	**Modification Nomenclature (*Modification Number - Modification Title*):** 9144 - C-12 ISR Modifications
Models of Systems Affected: MC-12W	**Type Modification:** Other	**Related RDT&E PEs:** 0305230F

Installation: C-12 ISR Modifications	**Method of Implementation:** Contractor Facility	**Installation Name:**

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	0	-	-	2	-	2	2	2	3	1	3	2	1	4	2	2	2	4	-	1	-	-	-	-	-	-	-	-	-	-	33
Out	0	-	-	-	-	-	1	1	4	1	2	1	5	2	1	2	2	4	2	3	2	-	-	-	-	-	-	-	-	-	33

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C02000 - C-20 Mods

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401845F, 0401314F

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)*	2.281	0.241	0.243	0.192	-	0.192	0.199	0.202	0.206	0.210	-	3.774
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	2.281	0.241	0.243	0.192	-	0.192	0.199	0.202	0.206	0.210	-	3.774
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**2.281**	**0.241**	**0.243**	**0.192**	**-**	**0.192**	**0.199**	**0.202**	**0.206**	**0.210**	**-**	**3.774**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 line item funds low-cost modifications and service bulletins for 7 C-20B and C-20H aircraft, commercial equivalent Gulfstream III/IV. The C-20B/H aircraft is a twin-engine, turbofan aircraft used to airlift DoD officials and high-ranking government personnel over long distances. The design service life is 20,000 hours with an average of 6,000 hours remaining. Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

Funding for this exhibit contained in PE 0401314F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.241	0.243	0.192	-	0.192	0.199	0.202	0.206	0.210

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
SERVICE BULLETINS	P40A		-	-	0.580	-	-	0.094	-	-	0.102	-	-	0.108	-	-	-	-	-	0.108

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
C02000 - C-20 Mods

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401845F, 0401314F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
LOW COST MODIFICATIONS	P40A		-	-	1.701	-	-	0.147	-	-	0.141	-	-	0.084	-	-	-	-	-	0.084
Total Gross/Weapon System Cost					**2.281**			**0.241**			**0.243**			**0.192**			**-**			**0.192**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
SERVICE BULLETINS	P40A		-	-	0.113	-	-	0.097	-	-	0.099	-	-	0.103	-	-	-	-	-	1.296
LOW COST MODIFICATIONS	P40A		-	-	0.086	-	-	0.105	-	-	0.107	-	-	0.107	-	-	-	-	-	2.478
Total Gross/Weapon System Cost					**0.199**			**0.202**			**0.206**			**0.210**			**-**			**3.774**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C02500 - VC-25A Mod

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401314F

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)*	1.356	0.387	11.185	0.263	-	0.263	0.582	7.715	10.699	10.891	-	43.078
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1.356	0.387	11.185	0.263	-	0.263	0.582	7.715	10.699	10.891	-	43.078
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1.356**	**0.387**	**11.185**	**0.263**	**-**	**0.263**	**0.582**	**7.715**	**10.699**	**10.891**	**-**	**43.078**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	0.100	-	-	-	-	-	0.610	0.590	0.601	-	-	1.901
Flyaway Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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

FY 2013 The FY 2014 OCO Request will be submitted at a later date

Description:

This line item funds modifications for 2 VC-25 aircraft, a commercial derivative of the Boeing 747-200. The VC-25 is a four-engine turbofan aircraft used for Presidential support worldwide. The aircraft are commonly known as "Air Force One." The design service life is 30 years, with an average of approximately 5 years remaining. These on-going modifications are to extend that service life. Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

Funding for this exhibit contained in PE 0401314F

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.387	11.185	0.263	-	0.263	0.582	7.715	10.699	10.891

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
C-25 Avionics Modernization Program	P40A		-	-	0.000	-	-	-	-	-	10.500	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
C02500 - VC-25A Mod

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401314F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
SERVICE BULLETINS	P40A		-	-	0.000	-	-	0.287	-	-	0.585	-	-	0.163	-	-	-	-	-	0.163
LOW COST MODIFICATIONS	P40A		-	-	1.356	-	-	0.100	-	-	0.100	-	-	0.100	-	-	-	-	-	0.100
Total Gross/Weapon System Cost					**1.356**			**0.387**			**11.185**			**0.263**			**-**			**0.263**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
C-25 Avionics Modernization Program	P40A		-	-	-	-	-	6.400	-	-	10.200	-	-	-	-	-	-	-	-	27.100
SERVICE BULLETINS	P40A		-	-	0.482	-	-	1.088	-	-	0.399	-	-	10.791	-	-	-	-	-	13.795
LOW COST MODIFICATIONS	P40A		-	-	0.100	-	-	0.227	-	-	0.100	-	-	0.100	-	-	-	-	-	2.183
Total Gross/Weapon System Cost					**0.582**			**7.715**			**10.699**			**10.891**			**-**			**43.078**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C04000 - C-40

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0401845F, 0401314F

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)*	2.744	0.206	0.243	6.119	-	6.119	3.329	2.306	0.260	0.265	-	15.472
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	2.744	0.206	0.243	6.119	-	6.119	3.329	2.306	0.260	0.265	-	15.472
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**2.744**	**0.206**	**0.243**	**6.119**	**-**	**6.119**	**3.329**	**2.306**	**0.260**	**0.265**	**-**	**15.472**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 line item funds all modifications for 11 C-40B and C-40C aircraft, commercial-derivative Boeing 737 business jets. The C-40B/C is a twin-engine, turbo fan aircraft used to airlift DoD officials and government personnel worldwide. The design service life is 30 years with an average of 23 years remaining. C-40 Nitrogen Generation System is the only major modification in FY14; it is a new start effort. Additionally, service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

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.

Funding for this exhibit contained in PE 0401314F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.206	0.243	5.219	-	5.219	0.629	0.506	0.260	0.265
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	0.600	-	0.600	1.500	0.600	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
C04000 - C-40

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401845F, 0401314F

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
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	0.300	-	0.300	1.200	1.200	-	-

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
SERVICE BULLETINS	P40A		-	-	0.439	-	-	0.101	-	-	0.128	-	-	0.132	-	-	-	-	-	0.132
LOW COST MODIFICATIONS	P40A		-	-	2.305	-	-	0.105	-	-	0.115	-	-	0.115	-	-	-	-	-	0.115
1110 - Nitrogen Generation System	P3A		-	-	-	-	-	-	-	-	-	-	-	5.872	-	-	-	-	-	5.872
Total Gross/Weapon System Cost					**2.744**			**0.206**			**0.243**			**6.119**			**-**			**6.119**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
SERVICE BULLETINS	P40A		-	-	0.137	-	-	0.140	-	-	0.140	-	-	0.140	-	-	-	-	-	1.357
LOW COST MODIFICATIONS	P40A		-	-	0.115	-	-	0.115	-	-	0.120	-	-	0.125	-	-	-	-	-	3.115
1110 - Nitrogen Generation System	P3A		-	-	3.077	-	-	2.051	-	-	-	-	-	-	-	-	-	-	-	11.000
Total Gross/Weapon System Cost					**3.329**			**2.306**			**0.260**			**0.265**			**-**			**15.472**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C04000 - C-40	**Modification Nomenclature (*Modification Number - Modification Title*):** 1110 - Nitrogen Generation System
Models of Systems Affected: C-40B/C	**Type Modification:** Other	**Related RDT&E PEs:** 0401314F

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)*	-	-	-	5.872	-	5.872	3.077	2.051	-	-	-	11.000
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	-	5.872	-	5.872	3.077	2.051	-	-	-	11.000
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**-**	**5.872**	**-**	**5.872**	**3.077**	**2.051**	**-**	**-**	**-**	**11.000**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 modification installs a Nitrogen Generation System (NGS) on Air Force C-40B/C aircraft. The C-40B/C is a commercial derivative of the Boeing 737-700 Business Jet. Air Force C-40B/Cs maintain Federal Aviation Administration (FAA) certification.

Due to a potential for fuel vapor explosion in fuselage fuel tanks, the FAA mandated that those aircraft must undergo fuel tank flammability reduction modifications. The C-40B/C NGS modification will supply nitrogen enriched air to fuselage fuel tanks to reduce the risk of vapor explosion and comply with FAA mandates. The C-40B/C NGS design will be a derivative of the installation in similarly equipped Boeing 737 aircraft.

The most recent C-40C procured incorporated the NGS design, and was delivered to the Air Force Reserve in FY2012. As a result, only 10 of the Air Force's 11 C-40B/C aircraft require this modification. At least 50% of the Air Force fleet must be modified by 2015 with the remainder modified by 2018 to maintain FAA certification.

This is an FY14 New Start.

Milestone/Development Status

No RDT&E required.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C04000 - C-40	**Modification Nomenclature (*Modification Number - Modification Title*):** 1110 - Nitrogen Generation System
Models of Systems Affected: C-40B/C	**Type Modification:** Other	**Related RDT&E PEs:** 0401314F

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												
Nitrogen Generation System												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
INSTALL KITS Group A (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
KITS NONRECUR Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
KITS NONRECUR Group A (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	- / -	4 / 1.200	- / -	4 / 1.200	- / -	- / -	- / -	- / -	- / -	4 / 1.200
EQUIPMENT Group B (Guard)	0 / 0.000	- / -	- / -	2 / 0.600	- / -	2 / 0.600	1 / 0.300	- / -	- / -	- / -	- / -	3 / 0.900
EQUIPMENT Group B (Reserve)	0 / 0.000	- / -	- / -	1 / 0.300	- / -	1 / 0.300	2 / 0.600	- / -	- / -	- / -	- / -	3 / 0.900
Subtotal Recurring	*0 / 0.000*	- / -	- / -	*7 / 2.100*	- / -	*7 / 2.100*	*3 / 0.900*	- / -	- / -	- / -	- / -	*10 / 3.000*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	- / -	- / -	1 / 1.250	- / -	1 / 1.250	1 / 0.277	1 / 0.151	- / -	- / -	- / -	3 / 1.678
Subtotal Non-Recurring	*0 / 0.000*	- / -	- / -	*1 / 1.250*	- / -	*1 / 1.250*	*1 / 0.277*	*1 / 0.151*	- / -	- / -	- / -	*3 / 1.678*
Secondary Distribution												
AF	0 / 0.000	- / -	- / -	4 / 2.572	- / -	4 / 2.572	- / 0.377	- / 0.251	- / -	- / -	- / -	- / -
AFNG	0 / 0.000	- / -	- / -	2 / 0.600	- / -	2 / 0.600	1 / 0.300	- / -	- / -	- / -	- / -	- / -
AFR	0 / 0.000	- / -	- / -	1 / 0.300	- / -	1 / 0.300	2 / 0.600	- / -	- / -	- / -	- / -	- / -
Total, Nitrogen Generation System	*0 / 0.000*	- / -	- / -	*7 / 3.350*	- / -	*7 / 3.350*	*3 / 1.177*	- / *0.151*	- / -	- / -	- / -	*10 / 4.678*
Total Procurement, All Modifications	*0 / 0.000*	- / -	- / -	*7 / 3.350*	- / -	*7 / 3.350*	*3 / 1.177*	- / *0.151*	- / -	- / -	- / -	*10 / 4.678*
Support												
PMA - Other Gov't Costs	0 / 0.000	- / -	- / -	1 / 0.122	- / -	1 / 0.122	1 / 0.100	1 / 0.100	- / -	- / -	- / -	3 / 0.322
Total Support, All Modifications	*0.000*	-	-	*0.122*	-	*0.122*	*0.100*	*0.100*	-	-	-	*0.322*

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C04000 - C-40	**Modification Nomenclature (*Modification Number - Modification Title*):** 1110 - Nitrogen Generation System
Models of Systems Affected: C-40B/C	**Type Modification:** Other	**Related RDT&E PEs:** 0401314F

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 Procurement and Support	*0.000*	-	-	*3.472*	-	*3.472*	*1.277*	*0.251*	-	-	-	*5.000*
Nitrogen Generation System Installation Cost	0 / 0.000	- / -	- / -	4 / 2.400	- / -	4 / 2.400	3 / 1.800	3 / 1.800	- / -	- / -	- / -	10 / 6.000
Total Installation Cost	*0 / 0.000*	- / -	- / -	*4 / 2.400*	- / -	*4 / 2.400*	*3 / 1.800*	*3 / 1.800*	- / -	- / -	- / -	*10 / 6.000*
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**5.872**	**-**	**5.872**	**3.077**	**2.051**	**-**	**-**	**-**	**11.000**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C04000 - C-40	**Modification Nomenclature (*Modification Number - Modification Title*):** 1110 - Nitrogen Generation System
Models of Systems Affected: C-40B/C	**Type Modification:** Other	**Related RDT&E PEs:** 0401314F

Manufacturer Information: Nitrogen Generation System

Manufacturer Name: Boeing	Manufacturer Location: San Antonio, TX
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			Dec 2013	Dec 2014			
Delivery Dates			Jun 2014	Jun 2015			

Installation: Nitrogen Generation System	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	4 / 2.400	- / -	4 / 2.400	3 / 1.800	- / -	- / -	- / -	- / -	7 / 4.200
Secondary Distribution - Air Force Active	- / -	- / -	- / -	4 / 2.400	- / -	4 / 2.400	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.200	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.600	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.800	- / -	- / -	- / -	3 / 1.800
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.600	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.200	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	4 / 2.400	- / -	4 / 2.400	3 / 1.800	3 / 1.800	- / -	- / -	- / -	10 / 6.000
Secondary Distribution - Air Force Active	- / -	- / -	- / -	4 / 2.400	- / -	4 / 2.400	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.200	1 / 0.600	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.600	2 / 1.200	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C04000 - C-40	**Modification Nomenclature (*Modification Number - Modification Title*):** 1110 - Nitrogen Generation System
Models of Systems Affected: C-40B/C	**Type Modification:** Other	**Related RDT&E PEs:** 0401314F

Installation: Nitrogen Generation System	Method of Implementation: Depot	Installation Name:

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	0	-	-	-	-	-	-	-	-	-	1	1	2	1	1	1	-	1	1	1	-	-	-	-	-	-	-	-	-	-	10
Out	0	-	-	-	-	-	-	-	-	-	-	1	1	1	2	1	1	-	1	1	1	-	-	-	-	-	-	-	-	-	10

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0207217F, 0401115F, 0404011F, 0207442F, 0401134F, 0207224F, 0401897F, 0504343F, 0503115F

MDAP/MAIS Code(s): 257,298

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)*	1,555.323	220.215	79.253	58.577	-	58.577	36.228	35.463	62.070	96.120	782.317	2,925.566
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1,555.323	220.215	79.253	58.577	-	58.577	36.228	35.463	62.070	96.120	782.317	2,925.566
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,555.323**	**220.215**	**79.253**	**58.577**	**-**	**58.577**	**36.228**	**35.463**	**62.070**	**96.120**	**782.317**	**2,925.566**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

FY12 funding totals include $175.521M appropriated for Overseas Contingency Operations.

This line item funds modifications to the C-130 and Special Mission C-130 aircraft. The four engine C-130 provides theater airlift and carries either 92 troops, 64 paratroopers, 74 litter patients, or 6 standard 463-L pallets.

The primary modifications budgeted in FY14 are the Systems/Structure mod (Center Wing Replacement), the Identify Friend or Foe/Selective Identification Feature (IFF/SIF) Mode 5 upgrade, and the Minimize C-130 Communication, Navigation, Surveillance/Air Traffic Management (CNS/ATM) program.

Beginning in FY12, procurement funding for C-130 Avionics Modernization Program (AMP) was moved to a separate budget line (P-1 line #46). Prior year funds are shown here.

The specific modifications budgeted and programmed are listed below.

Funding for this exhibit contained in PEs 0401115F, 0504343F.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
C13000 - C-130

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

Program Elements for Code B Items:

Other Related Program Elements: 0207217F, 0401115F, 0404011F, 0207442F, 0401134F, 0207224F, 0401897F, 0504343F, 0503115F

MDAP/MAIS Code(s): 257,298

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	185.498	59.005	31.383	-	31.383	25.264	23.195	35.145	49.782
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	21.225	9.398	8.260	-	8.260	7.143	4.990	11.368	24.580
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	13.492	10.850	18.934	-	18.934	3.821	7.278	15.557	21.758

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Mode S & 8.33 MHz Upgrades	P40A		-	-	46.741	-	-	-	-	-	-	-	-	1.335	-	-	-	-	-	1.335
LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	P40A		-	-	789.163	-	-	154.841	-	-	-	-	-	-	-	-	-	-	-	-
HC-130P/N Personal Locator System	P40A		-	-	0.000	-	-	-	-	-	5.400	-	-	-	-	-	-	-	-	-
HC-130 Integrated Electronic Warfare (EW) Suite	P40A		-	-	0.000	-	-	-	-	-	6.000	-	-	-	-	-	-	-	-	-
AC-130 OUTER WING REPLACEMENT	P40A		-	-	2.950	-	-	1.895	-	-	0.090	-	-	-	-	-	-	-	-	-
HC-130 8.33 RADIOS	P40A		-	-	16.764	-	-	3.419	-	-	1.878	-	-	-	-	-	-	-	-	-
C-130 CRASHWORTHY LOADMASTER SEAT	P40A		-	-	21.790	-	-	-	-	-	-	-	-	2.295	-	-	-	-	-	2.295
Armor Plate	P40A		-	-	8.271	-	-	10.880	-	-	-	-	-	-	-	-	-	-	-	-
ENGINE OIL COOLER	P40A		-	-	31.000	-	-	-	-	-	-	-	-	0.125	-	-	-	-	-	0.125
C-130 Aux Hyd Pump	P40A		-	-	17.000	-	-	-	-	-	-	-	-	1.981	-	-	-	-	-	1.981
ADS-B Out and Enhanced Modes S -- Minimize C-130 CNS/ATM Program	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HC-130 Crashworthy Seats	P40A		-	-	0.000	-	-	6.000	-	-	-	-	-	-	-	-	-	-	-	-
HC-130 T-1 Mods	P40A		-	-	0.000	-	-	2.500	-	-	-	-	-	-	-	-	-	-	-	-
LOW COST SAFETY MODIFICATIONS	P40A		-	-	2.832	-	-	-	-	-	0.001	-	-	0.001	-	-	-	-	-	0.001
HC-130 Low Cost Mods	P40A		-	-	0.000	-	-	1.900	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
C13000 - C-130

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

Program Elements for Code B Items:

Other Related Program Elements: 0207217F, 0401115F, 0404011F, 0207442F, 0401134F, 0207224F, 0401897F, 0504343F, 0503115F

MDAP/MAIS Code(s): 257,298

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
MISC SIMULATOR UPDATES	P40A		-	-	0.703	-	-	-	-	-	0.001	-	-	0.001	-	-	-	-	-	0.001
SERVICE BULLETINS	P40A		-	-	0.416	-	-	-	-	-	0.001	-	-	0.001	-	-	-	-	-	0.001
LOW COST MODIFICATIONS	P40A		-	-	8.475	-	-	1.562	-	-	1.338	-	-	0.002	-	-	-	-	-	0.002
ELT UPGRADE	P40A		-	-	13.880	-	-	4.461	-	-	-	-	-	-	-	-	-	-	-	-
8578 - C-130 SYSTEMS/ STRUCTURE (PHASE II MODERNIZATION)	P3A		-	-	595.338	-	-	6.191	-	-	52.804	-	-	24.833	-	-	-	-	-	24.833
9139 - MOD V IFF	P3A		-	-	-	-	-	26.566	-	-	11.740	-	-	6.803	-	-	-	-	-	6.803
92301 - AFR C-130 Fuselage Trainer Modification	P3A		-	-	-	-	-	-	-	-	-	-	-	7.000	-	-	-	-	-	7.000
1 - 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program	P3A		-	-	-	-	-	-	-	-	-	-	-	9.922	-	-	-	-	-	9.922
2 - CVR/DVR -- Minimize C-130 CNS/ATM Program	P3A		-	-	-	-	-	-	-	-	-	-	-	4.278	-	-	-	-	-	4.278
Total Gross/Weapon System Cost					**1,555.323**			**220.215**			**79.253**			**58.577**			**-**			**58.577**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Mode S & 8.33 MHz Upgrades	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.076
LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	944.004
HC-130P/N Personal Locator System	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.400
HC-130 Integrated Electronic Warfare (EW) Suite	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.000
AC-130 OUTER WING REPLACEMENT	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.935
HC-130 8.33 RADIOS	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.061
C-130 CRASHWORTHY LOADMASTER SEAT	P40A		-	-	3.234	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.319

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
C13000 - C-130

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

Program Elements for Code B Items:

Other Related Program Elements: 0207217F, 0401115F, 0404011F, 0207442F, 0401134F, 0207224F, 0401897F, 0504343F, 0503115F

MDAP/MAIS Code(s): 257,298

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Armor Plate	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.151
ENGINE OIL COOLER	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.125
C-130 Aux Hyd Pump	P40A		-	-	1.029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.010
ADS-B Out and Enhanced Modes S -- Minimize C-130 CNS/ATM Program	P40A		-	-	-	-	-	-	-	-	27.242	-	-	58.135	-	-	165.725	-	-	251.102
HC-130 Crashworthy Seats	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.000
HC-130 T-1 Mods	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.500
LOW COST SAFETY MODIFICATIONS	P40A		-	-	0.001	-	-	1.104	-	-	1.656	-	-	1.611	-	-	-	-	-	7.206
HC-130 Low Cost Mods	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.900
MISC SIMULATOR UPDATES	P40A		-	-	0.001	-	-	1.787	-	-	1.657	-	-	1.657	-	-	-	-	-	5.807
SERVICE BULLETINS	P40A		-	-	0.001	-	-	1.900	-	-	1.600	-	-	1.600	-	-	-	-	-	5.519
LOW COST MODIFICATIONS	P40A		-	-	1.961	-	-	1.999	-	-	1.999	-	-	1.999	-	-	-	-	-	19.335
ELT UPGRADE	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.341
8578 - C-130 SYSTEMS/ STRUCTURE (PHASE II MODERNIZATION)	P3A		-	-	13.773	-	-	14.019	-	-	14.216	-	-	14.472	-	-	616.592	-	-	1,352.238
9139 - MOD V IFF	P3A		-	-	1.630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46.739
92301 - AFR C-130 Fuselage Trainer Modification	P3A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.000
1 - 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program	P3A		-	-	7.447	-	-	7.747	-	-	5.272	-	-	2.550	-	-	-	-	-	32.938
2 - CVR/DVR -- Minimize C-130 CNS/ATM Program	P3A		-	-	7.151	-	-	6.907	-	-	8.428	-	-	14.096	-	-	-	-	-	40.860
Total Gross/Weapon System Cost					**36.228**			**35.463**			**62.070**			**96.120**			**782.317**			**2,925.566**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 8578 - C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)
Models of Systems Affected: C-130H, MC-130H, HC-130P/N, EC-130H, AC-130U,	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0401115F

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)*	595.338	6.191	52.804	24.833	-	24.833	13.773	14.019	14.216	14.472	616.592	1,352.238
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	595.338	6.191	52.804	24.833	-	24.833	13.773	14.019	14.216	14.472	616.592	1,352.238
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**595.338**	**6.191**	**52.804**	**24.833**	**-**	**24.833**	**13.773**	**14.019**	**14.216**	**14.472**	**616.592**	**1,352.238**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Replaces the Center Wing Box (CWB) on MC-130H, HC-130N/P, C-130H, EC-130H, and AC-130U aircraft whose center wings' service life expires between 2005-2025. Kit costs vary by Mission Design Series (MDS) as reflected in the kit costs FY05-FY20. Installations are done at the Warner Robins Air Force Life Cycle Mangement Center (AFLCMC), except for the EC-130Hs which are done at L3Com's facility.

FY14 funds provide for 3 production CWB kits, installs 4 kits, tech data and PMA costs.

The schedule and costs for EC-130H aircraft from FY12-FY17 (end of program for EC-130Hs) follows:

FY12: (1 ea, $2.600)
FY13: (2 ea, $5.200)
FY14: (1 ea, $2,600)
FY15: (1 ea, $2.600)
FY16: (1 ea, $2,600)
FY17: (1 ea, $2,600)

Milestone/Development Status

N/A

Exhibit P-3A, Individual Modification: PB 2014 Air Force			Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130		**Modification Nomenclature (*Modification Number - Modification Title*):** 8578 - C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)
Models of Systems Affected: C-130H, MC-130H, HC-130P/N, EC-130H, AC-130U,	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0401115F	

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 8578 - C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)
Models of Systems Affected: C-130H, MC-130H, HC-130P/N, EC-130H, AC-130U,	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0401115F

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												
C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	89 / 334.646	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 73.639	103 / 408.285
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	41 / 219.226	41 / 219.226
INSTALL KITS Group A (Reserve)	1 / 3.489	- / -	- / -	3 / 14.198	- / -	3 / 14.198	- / -	1 / 4.878	1 / 4.964	2 / 10.110	14 / 74.882	22 / 112.521
Subtotal Recurring	*90 / 338.135*	*- / -*	*- / -*	*3 / 14.198*	*- / -*	*3 / 14.198*	*- / -*	*1 / 4.878*	*1 / 4.964*	*2 / 10.110*	*69 / 367.747*	*166 / 740.032*
Non-Recurring												
KITS NONRECUR Group A (Active)	7 / 66.413	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 66.413
KITS NONRECUR Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 28.750	1 / 28.750
KITS NONRECUR Group A (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*7 / 66.413*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*1 / 28.750*	*8 / 95.163*
Secondary Distribution												
AF	96 / 412.759	- / 1.202	- / 34.156	- / 0.938	- / -	- / 0.938	- / 4.129	- / 4.028	- / 1.535	- / 4.362	- / -	- / -
AFNG	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
AFR	1 / 3.489	- / -	- / -	3 / 14.198	- / -	3 / 14.198	- / -	1 / 4.878	1 / 4.964	2 / 10.110	- / -	- / -
Total, C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)	*97 / 404.548*	*- / -*	*- / -*	*3 / 14.198*	*- / -*	*3 / 14.198*	*- / -*	*1 / 4.878*	*1 / 4.964*	*2 / 10.110*	*70 / 396.497*	*174 / 835.195*
Total Procurement, All Modifications	*97 / 404.548*	*- / -*	*- / -*	*3 / 14.198*	*- / -*	*3 / 14.198*	*- / -*	*1 / 4.878*	*1 / 4.964*	*2 / 10.110*	*70 / 396.497*	*174 / 835.195*
Support												
CHANGE ORDERS	0 / 0.000	- / 0.256	- / 33.572	- / -	- / -	- / -	- / 3.384	- / 3.347	- / 0.636	- / 3.447	- / -	- / 44.642
DATA	0 / 0.879	- / 0.075	- / -	- / 0.250	- / -	- / 0.250	- / -	- / -	- / -	- / -	- / 0.125	- / 1.329
SUPPORT- EQUIP	0 / 3.069	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.069
OTHER GOVT	0 / 1.194	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.194
A&AS	0 / 2.255	- / 0.250	- / 0.052	- / 0.193	- / -	- / 0.193	- / 0.224	- / 0.155	- / 0.276	- / 0.281	- / 2.437	- / 6.123
PMA - Contractor Services	0 / 0.558	- / 0.604	- / 0.502	- / 0.465	- / -	- / 0.465	- / 0.491	- / 0.496	- / 0.593	- / 0.604	- / 5.236	- / 9.549
PMA - Other Gov't Costs	0 / 3.745	- / 0.017	- / 0.030	- / 0.030	- / -	- / 0.030	- / 0.030	- / 0.030	- / 0.030	- / 0.030	- / 0.268	- / 4.210
Total Support, All Modifications	*11.700*	*1.202*	*34.156*	*0.938*	*-*	*0.938*	*4.129*	*4.028*	*1.535*	*4.362*	*8.066*	*70.116*

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 8578 - C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)
Models of Systems Affected: C-130H, MC-130H, HC-130P/N, EC-130H, AC-130U,	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0401115F

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 Procurement and Support	*416.248*	*1.202*	*34.156*	*15.136*	*-*	*15.136*	*4.129*	*8.906*	*6.499*	*14.472*	*404.563*	*905.311*
C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) Installation Cost	77 / 179.090	2 / 4.989	8 / 18.648	4 / 9.697	- / -	4 / 9.697	4 / 9.644	2 / 5.113	3 / 7.717	- / -	74 / 212.029	174 / 446.927
Total Installation Cost	*77 / 179.090*	*2 / 4.989*	*8 / 18.648*	*4 / 9.697*	*- / -*	*4 / 9.697*	*4 / 9.644*	*2 / 5.113*	*3 / 7.717*	*- / -*	*74 / 212.029*	*174 / 446.927*
Total Cost (Procurement + Support + Installation)	**595.338**	**6.191**	**52.804**	**24.833**	**-**	**24.833**	**13.773**	**14.019**	**14.216**	**14.472**	**616.592**	**1,352.238**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 8578 - C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)
Models of Systems Affected: C-130H, MC-130H, HC-130P/N, EC-130H, AC-130U,	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0401115F

Manufacturer Information: C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)

Manufacturer Name: Unknown	Manufacturer Location: Unknown
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 27

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates		Dec 2012	Dec 2013		Dec 2015	Dec 2016	Dec 2017
Delivery Dates		Mar 2015	Mar 2016		Mar 2018	Mar 2019	Mar 2020

Installation: C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)	Method of Implementation: Combination	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	77 / 179.090	2 / 4.989	8 / 18.648	4 / 9.697	- / -	4 / 9.697	4 / 9.644	2 / 5.113	- / -	- / -	0 / 0.000	97 / 227.181
Secondary Distribution - Air Force Active	76 / 176.883	2 / 4.989	8 / 18.648	4 / 9.697	- / -	4 / 9.697	4 / 9.644	2 / 5.113	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	1 / 2.207	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 7.717	- / -	- / -	3 / 7.717
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 7.717	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.651	1 / 2.651
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.651	1 / 2.651
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.398	2 / 5.398
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 201.329	70 / 201.329
Secondary Distribution - Air Force Active	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	77 / 179.090	2 / 4.989	8 / 18.648	4 / 9.697	- / -	4 / 9.697	4 / 9.644	2 / 5.113	3 / 7.717	- / -	74 / 212.029	174 / 446.927
Secondary Distribution - Air Force Active	76 / 176.883	2 / 4.989	8 / 18.648	4 / 9.697	- / -	4 / 9.697	4 / 9.644	2 / 5.113	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	1 / 2.207	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 7.717	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 8578 - C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)
Models of Systems Affected: C-130H, MC-130H, HC-130P/N, EC-130H, AC-130U,	**Type Modification:** Service Life Extension	**Related RDT&E PEs:** 0401115F

Installation: C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)	**Method of Implementation:** Combination	**Installation Name:**

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	77	-	1	1	-	2	2	2	2	1	1	1	1	1	1	1	1	-	1	-	1	1	1	-	1	-	-	-	-	74	174
Out	66	6	5	-	1	1	-	2	2	3	3	1	1	-	-	1	1	1	1	-	1	-	1	1	1	-	1	-	-	74	174

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 9139 - MOD V IFF
Models of Systems Affected: C-130	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401115F

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)*	-	26.566	11.740	6.803	-	6.803	1.630	-	-	-	-	46.739
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	26.566	11.740	6.803	-	6.803	1.630	-	-	-	-	46.739
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**26.566**	**11.740**	**6.803**	**-**	**6.803**	**1.630**	**-**	**-**	**-**	**-**	**46.739**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Mode V is an upgrade to the Identify Friend or Foe (IFF) secure aircraft identification system. Mode V will replace Mode IV because the technology used to keep Mode IV transmissions secure is outdated and could be compromised by personnel or organizations that don't have a need to know or the proper security clearances, and aren't designated as allies of the United States. This modification will require hardware, firmware, software and wiring development and/or replacement.

FY14 funds procure 5 additional kits and funds 151 installs.

Milestone/Development Status

N/A

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 9139 - MOD V IFF
Models of Systems Affected: C-130	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401115F

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												
MOD V IFF												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	129 / 0.129	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	129 / 0.129
INSTALL KITS Group A (Guard)	0 / 0.000	99 / 0.099	48 / 0.051	5 / 0.005	- / -	5 / 0.005	- / -	- / -	- / -	- / -	- / -	152 / 0.155
INSTALL KITS Group A (Reserve)	0 / 0.000	70 / 0.071	19 / 0.020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	89 / 0.091
Subtotal Recurring	*0 / 0.000*	*298 / 0.299*	*67 / 0.071*	*5 / 0.005*	*- / -*	*5 / 0.005*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*370 / 0.375*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	2 / 0.235	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.235
KITS NONRECUR Group A (Guard)	0 / 0.000	2 / 0.235	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.235
KITS NONRECUR Group A (Reserve)	0 / 0.000	1 / 0.118	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.118
Subtotal Non-Recurring	*0 / 0.000*	*5 / 0.588*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*5 / 0.588*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	129 / 5.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	129 / 5.500
EQUIPMENT Group B (Guard)	0 / 0.000	99 / 10.724	48 / 7.627	5 / 1.250	- / -	5 / 1.250	- / -	- / -	- / -	- / -	- / -	152 / 19.601
EQUIPMENT Group B (Reserve)	0 / 0.000	70 / 7.583	19 / 3.251	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	89 / 10.834
Subtotal Recurring	*0 / 0.000*	*298 / 23.807*	*67 / 10.878*	*5 / 1.250*	*- / -*	*5 / 1.250*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*370 / 35.935*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	2 / 0.145	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.145
EQUIP NONREC Group B (Guard)	0 / 0.000	2 / 0.216	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.216
EQUIP NONREC Group B (Reserve)	0 / 0.000	1 / 0.108	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.108
Subtotal Non-Recurring	*0 / 0.000*	*5 / 0.469*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*5 / 0.469*
Secondary Distribution												
AF	0 / 0.000	131 / 7.412	- / 0.791	- / 2.739	- / -	- / 2.739	- / 0.569	- / -	- / -	- / -	- / -	- / -
AFNG	0 / 0.000	101 / 11.274	48 / 7.678	5 / 1.255	- / -	5 / 1.255	- / -	- / -	- / -	- / -	- / -	- / -
AFR	0 / 0.000	71 / 7.880	19 / 3.271	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total, MOD V IFF	*0 / 0.000*	*303 / 25.163*	*67 / 10.949*	*5 / 1.255*	*- / -*	*5 / 1.255*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*375 / 37.367*
Total Procurement, All Modifications	*0 / 0.000*	*303 / 25.163*	*67 / 10.949*	*5 / 1.255*	*- / -*	*5 / 1.255*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*375 / 37.367*
Support												
DATA	0 / 0.000	- / 1.105	- / 0.447	- / 0.114	- / -	- / 0.114	- / 0.319	- / -	- / -	- / -	- / -	- / 1.985

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 9139 - MOD V IFF
Models of Systems Affected: C-130	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401115F

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)*
SIM/TRAINER	0 / 0.000	- / -	- / -	- / 2.500	- / -	- / 2.500	- / -	- / -	- / -	- / -	- / -	- / 2.500
PMA - Contractor Services	0 / 0.000	- / 0.268	- / 0.314	- / 0.095	- / -	- / 0.095	- / 0.220	- / -	- / -	- / -	- / -	- / 0.897
PMA - Other Gov't Costs	0 / 0.000	- / 0.030	- / 0.030	- / 0.030	- / -	- / 0.030	- / 0.030	- / -	- / -	- / -	- / -	- / 0.120
Total Support, All Modifications	*0.000*	*1.403*	*0.791*	*2.739*	*-*	*2.739*	*0.569*	*-*	*-*	*-*	*-*	*5.502*
Total Procurement and Support	*0.000*	*26.566*	*11.740*	*3.994*	*-*	*3.994*	*0.569*	*-*	*-*	*-*	*-*	*42.869*
MOD V IFF Installation Cost	0 / 0.000	- / -	- / -	156 / 2.809	- / -	156 / 2.809	148 / 1.061	71 / -	- / -	- / -	- / -	375 / 3.870
Total Installation Cost	*0 / 0.000*	*- / -*	*- / -*	*156 / 2.809*	*- / -*	*156 / 2.809*	*148 / 1.061*	*71 / -*	*- / -*	*- / -*	*- / -*	*375 / 3.870*
Total Cost (Procurement + Support + Installation)	**0.000**	**26.566**	**11.740**	**6.803**	**-**	**6.803**	**1.630**	**-**	**-**	**-**	**-**	**46.739**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 9139 - MOD V IFF
Models of Systems Affected: C-130	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401115F

Manufacturer Information: MOD V IFF

Manufacturer Name: Unknown	Manufacturer Location: Unknown
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	Mar 2013	Mar 2014	Mar 2015				
Delivery Dates	Mar 2014	Mar 2015	Mar 2016				

Installation: MOD V IFF	Method of Implementation: Contract Field Team	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	155 / 2.799	- / -	155 / 2.799	64 / 0.308	- / -	- / -	- / -	- / -	219 / 3.107
Secondary Distribution - Air Force Active	- / -	- / -	- / -	67 / 1.040	- / -	67 / 1.040	64 / 0.308	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	52 / 1.030	- / -	52 / 1.030	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	36 / 0.729	- / -	36 / 0.729	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	1 / 0.010	- / -	1 / 0.010	- / 0.700	- / -	- / -	- / -	- / -	1 / 0.710
Secondary Distribution - Air National Guard	- / -	- / -	- / -	1 / 0.010	- / -	1 / 0.010	- / 0.498	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.202	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.053	- / -	- / -	- / -	- / -	- / 0.053
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.053	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	156 / 2.809	- / -	156 / 2.809	64 / 1.061	- / -	- / -	- / -	- / -	220 / 3.870
Secondary Distribution - Air Force Active	- / -	- / -	- / -	67 / 1.040	- / -	67 / 1.040	64 / 0.308	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	53 / 1.040	- / -	53 / 1.040	- / 0.551	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	36 / 0.729	- / -	36 / 0.729	- / 0.202	- / -	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 9139 - MOD V IFF
Models of Systems Affected: C-130	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401115F

Installation: MOD V IFF	Method of Implementation: Contract Field Team	Installation Name:

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	0	-	-	-	-	-	-	-	-	39	39	39	39	37	37	37	37	17	18	18	18	-	-	-	-	-	-	-	-	-	375
Out	0	-	-	-	-	-	-	-	-	39	39	39	39	37	37	37	37	17	18	18	18	-	-	-	-	-	-	-	-	-	375

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 92301 - AFR C-130 Fuselage Trainer Modification

Models of Systems Affected: C-130	Type Modification: Capability Improvement	Related RDT&E PEs: 0504343F

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)*	-	-	-	7.000	-	7.000	-	-	-	-	-	7.000
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	-	7.000	-	7.000	-	-	-	-	-	7.000
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**-**	**7.000**	**-**	**7.000**	**-**	**-**	**-**	**-**	**-**	**7.000**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 Force Reserve Command (AFRC) Aeromedical Flight Training Unit at Dobbins Air Reserve Base (ARB) currently has two C-130 fuselage trainers which require operational upgrades (motion) to allow enhanced and realistic training for mobility air forces aeromedical aircrews. The FY14 funds provide for the mounting, and electrical/environmental/hydraulic, etc., enhancements to the fuselages to provide realistic emergency and operational simulation for effective upgrade, and recurring Air Evacuation (AE) training.

AFRC currently provides 60 percent of all Air Force AE capability, and this trainer upgrade reduces the cost of conducting recurring training by reducing the requirement for training flights in the aircraft.

This is a FY14 New Start.

Milestone/Development Status

N/A

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 92301 - AFR C-130 Fuselage Trainer Modification
Models of Systems Affected: C-130	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0504343F

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												
AFR C-130 Fuselage Trainer Modification												
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	- / -	2 / 6.778	- / -	2 / 6.778	- / -	- / -	- / -	- / -	- / -	2 / 6.778
Subtotal Recurring	*0 / 0.000*	- / -	- / -	*2 / 6.778*	- / -	*2 / 6.778*	- / -	- / -	- / -	- / -	- / -	*2 / 6.778*
Secondary Distribution												
AF	0 / 0.000	- / -	- / -	2 / 6.778	- / -	2 / 6.778	- / -	- / -	- / -	- / -	- / -	- / -
Total, AFR C-130 Fuselage Trainer Modification	*0 / 0.000*	- / -	- / -	*2 / 6.778*	- / -	*2 / 6.778*	- / -	- / -	- / -	- / -	- / -	*2 / 6.778*
Total Procurement, All Modifications	*0 / 0.000*	- / -	- / -	*2 / 6.778*	- / -	*2 / 6.778*	- / -	- / -	- / -	- / -	- / -	*2 / 6.778*
Support												
SIM/TRAINER	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Support, All Modifications	*0.000*	-	-	-	-	-	-	-	-	-	-	-
Total Procurement and Support	*0.000*	-	-	*6.778*	-	*6.778*	-	-	-	-	-	*6.778*
AFR C-130 Fuselage Trainer Modification Installation Cost	0 / 0.000	- / -	- / -	- / 0.222	- / -	- / 0.222	2 / -	- / -	- / -	- / -	- / -	2 / 0.222
Total Installation Cost	*0 / 0.000*	- / -	- / -	*- / 0.222*	- / -	*- / 0.222*	*2 / -*	- / -	- / -	- / -	- / -	*2 / 0.222*
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**7.000**	**-**	**7.000**	**-**	**-**	**-**	**-**	**-**	**7.000**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 92301 - AFR C-130 Fuselage Trainer Modification
Models of Systems Affected: C-130	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0504343F

Manufacturer Information: AFR C-130 Fuselage Trainer Modification

Manufacturer Name: N/A	Manufacturer Location: N/A
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			Apr 2014				
Delivery Dates			Apr 2015				

Installation: AFR C-130 Fuselage Trainer Modification	Method of Implementation: Contract Field Team	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / 0.222	- / -	- / 0.222	- / -	- / -	- / -	- / -	- / -	- / 0.222
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / 0.222	- / -	- / 0.222	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / 0.222	- / -	- / 0.222	- / -	- / -	- / -	- / -	- / -	- / 0.222
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / 0.222	- / -	- / 0.222	- / -	- / -	- / -	- / -	- / -	- / -

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	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program
Models of Systems Affected: C-130H 1/2/3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401115F

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)*	-	-	-	9.922	-	9.922	7.447	7.747	5.272	2.550	-	32.938
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	-	9.922	-	9.922	7.447	7.747	5.272	2.550	-	32.938
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**-**	**9.922**	**-**	**9.922**	**7.447**	**7.747**	**5.272**	**2.550**	**-**	**32.938**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

With termination of the C-130 Avionics Modernization Program (AMP), the Minimize C-130 Communication, Navigation, Surveillance/Air Traffic Management (CNS/ATM) option provides minimal airspace compliance focused program to modify 184 C-130H aircraft with ADS-B Out equipment, 8.33 kHz radios, updated cockpit voice and digital flight data recorders, and Enhanced Mode S.

The 184 aircraft Minimize C-130 CNS/ATM program is comprised of H3s, H2.5s, H2s and H1s; and includes 28 Active Duty, 108 Guard, and 48 Reserve aircraft. The modification effort will be completed in three phases: Phase A updates 8.33 kHz radios on 156 aircraft (28 modifications previously accomplished); Phase B modifies cockpit voice and digital data recorders (CVR/DVR) for 184 aircraft; Phase C relates to ADS-B Out and Enhanced Mode S modifications. Phase C will have 4 prototype aircraft required for accomplishment of the ADS-B Out Engineering and Manufacturing Development (EMD) phase, with the remaining 180 being production aircraft. The prototype aircraft represent each type of C-130H configuration listed above.

Current schedule is for the EMD contract to be awarded, following a competitive source selection, in the 3rd quarter of fiscal year 2014. Fiscal year 2013 actions included initiating program requirements and pre-contract efforts in preparation for the EMD source selection phase of the program.

Milestone/Development Status

New start in FY14.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program
Models of Systems Affected: C-130H 1/2/3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401115F

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												
8.33 kHz Radios -- Minimize C-130 CNS/ATM Program												
A Kits												
Recurring												
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	- / -	24 / 0.120	- / -	24 / 0.120	23 / 0.115	28 / 0.140	17 / 0.085	16 / 0.080	- / -	108 / 0.540
INSTALL KITS Group A (Reserve)	0 / 0.000	- / -	- / -	11 / 0.055	- / -	11 / 0.055	17 / 0.085	12 / 0.060	8 / 0.040	- / -	- / -	48 / 0.240
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*35 / 0.175*	*- / -*	*35 / 0.175*	*40 / 0.200*	*40 / 0.200*	*25 / 0.125*	*16 / 0.080*	*- / -*	*156 / 0.780*
Non-Recurring												
KITS NONRECUR Group A (Guard)	0 / 0.000	- / -	- / -	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / 1.000
KITS NONRECUR Group A (Reserve)	0 / 0.000	- / -	- / -	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / 1.000
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / 2.000*	*- / -*	*- / 2.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 2.000*
B Kits												
Recurring												
EQUIPMENT Group B (Guard)	0 / 0.000	- / -	- / -	24 / 2.880	- / -	24 / 2.880	23 / 2.760	28 / 3.360	17 / 2.040	16 / 1.920	- / -	108 / 12.960
EQUIPMENT Group B (Reserve)	0 / 0.000	- / -	- / -	11 / 1.320	- / -	11 / 1.320	17 / 2.040	12 / 1.440	8 / 0.960	- / -	- / -	48 / 5.760
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*35 / 4.200*	*- / -*	*35 / 4.200*	*40 / 4.800*	*40 / 4.800*	*25 / 3.000*	*16 / 1.920*	*- / -*	*156 / 18.720*
Secondary Distribution												
AF	0 / 0.000	- / -	- / -	- / 3.547	- / -	- / 3.547	- / 2.447	- / 2.747	- / 2.147	- / 0.550	- / -	- / -
AFNG	0 / 0.000	- / -	- / -	24 / 4.000	- / -	24 / 4.000	23 / 2.875	28 / 3.500	17 / 2.125	16 / 2.000	- / -	- / -
AFR	0 / 0.000	- / -	- / -	11 / 2.375	- / -	11 / 2.375	17 / 2.125	12 / 1.500	8 / 1.000	- / -	- / -	- / -
Total, 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program	*0 / 0.000*	*- / -*	*- / -*	*35 / 6.375*	*- / -*	*35 / 6.375*	*40 / 5.000*	*40 / 5.000*	*25 / 3.125*	*16 / 2.000*	*- / -*	*156 / 21.500*
Total Procurement, All Modifications	*0 / 0.000*	*- / -*	*- / -*	*35 / 6.375*	*- / -*	*35 / 6.375*	*40 / 5.000*	*40 / 5.000*	*25 / 3.125*	*16 / 2.000*	*- / -*	*156 / 21.500*
Support												
DATA	0 / 0.000	- / -	- / -	- / 2.000	- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / 2.000
SUPPORT- EQUIP	0 / 0.000	- / -	- / -	- / 0.675	- / -	- / 0.675	- / 1.575	- / 1.875	- / 1.275	- / -	- / -	- / 5.400
ICS-Labor	0 / 0.000	- / -	- / -	- / 0.300	- / -	- / 0.300	- / 0.300	- / 0.300	- / 0.300	- / 0.300	- / -	- / 1.500
Install Spares	0 / 0.000	- / -	- / -	- / 0.322	- / -	- / 0.322	- / 0.322	- / 0.322	- / 0.322	- / -	- / -	- / 1.288
PMA	0 / 0.000	- / -	- / -	- / 0.250	- / -	- / 0.250	- / 0.250	- / 0.250	- / 0.250	- / 0.250	- / -	- / 1.250
Total Support, All Modifications	*0.000*	*-*	*-*	*3.547*	*-*	*3.547*	*2.447*	*2.747*	*2.147*	*0.550*	*-*	*11.438*
Total Procurement and Support	*0.000*	*-*	*-*	*9.922*	*-*	*9.922*	*7.447*	*7.747*	*5.272*	*2.550*	*-*	*32.938*

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program
Models of Systems Affected: C-130H 1/2/3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401115F

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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**9.922**	**-**	**9.922**	**7.447**	**7.747**	**5.272**	**2.550**	**-**	**32.938**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program
Models of Systems Affected: C-130H 1/2/3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401115F

Manufacturer Information: 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*: 8	Production Leadtime *(in Months)*: 7

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates			Jun 2014	Oct 2014	Nov 2015	Nov 2016	Nov 2017
Delivery Dates			Jan 2015	May 2015	May 2016	May 2017	May 2018

Installation: 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program	**Method of Implementation:** Org/Intermediate	**Installation Quantity:** 0

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - CVR/DVR -- Minimize C-130 CNS/ ATM Program
Models of Systems Affected: C-130H 1/2/3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401115F

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)*	-	-	-	4.278	-	4.278	7.151	6.907	8.428	14.096	-	40.860
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	-	4.278	-	4.278	7.151	6.907	8.428	14.096	-	40.860
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**-**	**4.278**	**-**	**4.278**	**7.151**	**6.907**	**8.428**	**14.096**	**-**	**40.860**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

With termination of the C-130 Avionics Modernization Program (AMP), the Minimize C-130 Communication, Navigation, Surveillance/Air Traffic Management (CNS/ATM) option provides minimal airspace compliance focused program to modify 184 C-130H aircraft with ADS-B Out equipment, 8.33 kHz radios, updated cockpit voice and digital flight data recorders, and Enhanced Mode S.

The 184 aircraft Minimize C-130 CNS/ATM program is comprised of H3s, H2.5s, H2s and H1s; and includes 28 Active Duty, 108 Guard, and 48 Reserve aircraft. The modification effort will be completed in three phases: Phase A updates 8.33 kHz radios on 156 aircraft (28 modifications previously accomplished); Phase B modifies cockpit voice and digital data recorders (CVR/DVR) for 184 aircraft; Phase C relates to ADS-B Out and Enhanced Mode S modifications. Phase C will have 4 prototype aircraft required for accomplishment of the ADS-B Out Engineering and Manufacturing Development (EMD) phase, with the remaining 180 being production aircraft. The prototype aircraft represent each type of C-130H configuration listed above.

Current schedule is for the EMD contract to be awarded, following a competitive source selection, in the 3rd quarter of fiscal year 2014. Fiscal year 2013 actions included initiating program requirements and pre-contract efforts in preparation for the EMD source selection phase of the program.

Milestone/Development Status

FY14 New Start.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - CVR/DVR -- Minimize C-130 CNS/ ATM Program
Models of Systems Affected: C-130H 1/2/3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401115F

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)*
RDT&E PE #												
0401115F	0 / 0.000	- / -	- / 5.000	- / 0.400	- / -	- / 0.400	2 / 66.100	2 / 69.800	- / 11.800	- / 3.500	- / -	4 / 156.600
Procurement												
CVR/DVR -- Minimize C-130 CNS/ATM Program												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	14 / 0.700	14 / 0.700	- / -	- / -	- / -	28 / 1.400
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	16 / 0.800	12 / 0.600	32 / 1.600	48 / 2.400	- / -	108 / 5.400
INSTALL KITS Group A (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.500	18 / 0.900	20 / 1.000	- / -	48 / 2.400
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*30 / 1.500*	*36 / 1.800*	*50 / 2.500*	*68 / 3.400*	*- / -*	*184 / 9.200*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / -	- / 0.500	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / 0.500
KITS NONRECUR Group A (Guard)	0 / 0.000	- / -	- / -	- / 0.500	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / 0.500
KITS NONRECUR Group A (Reserve)	0 / 0.000	- / -	- / -	- / 0.500	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / 0.500
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / 1.500*	*- / -*	*- / 1.500*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.500*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	14 / 0.560	14 / 0.560	- / -	- / -	- / -	28 / 1.120
EQUIPMENT Group B (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	16 / 0.640	12 / 0.480	32 / 1.280	48 / 1.920	- / -	108 / 4.320
EQUIPMENT Group B (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.400	18 / 0.720	20 / 0.800	- / -	48 / 1.920
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*30 / 1.200*	*36 / 1.440*	*50 / 2.000*	*68 / 2.720*	*- / -*	*184 / 7.360*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.166	- / -	- / -	- / -	- / -	- / 0.166
EQUIP NONREC Group B (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.167	- / -	- / -	- / -	- / -	- / 0.167
EQUIP NONREC Group B (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.167	- / -	- / -	- / -	- / -	- / 0.167
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 0.500*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 0.500*
Secondary Distribution												
AF	0 / 0.000	- / -	- / -	- / 3.278	- / -	- / 3.278	14 / 5.377	14 / 4.159	- / 3.007	- / 4.955	- / -	- / -
AFNG	0 / 0.000	- / -	- / -	- / 0.500	- / -	- / 0.500	16 / 1.607	12 / 1.080	32 / 2.880	48 / 4.320	- / -	- / -
AFR	0 / 0.000	- / -	- / -	- / 0.500	- / -	- / 0.500	- / 0.167	10 / 0.900	18 / 1.620	20 / 1.800	- / -	- / -
Total, CVR/DVR -- Minimize C-130 CNS/ATM Program	*0 / 0.000*	*- / -*	*- / -*	*- / 1.500*	*- / -*	*- / 1.500*	*30 / 3.200*	*36 / 3.240*	*50 / 4.500*	*68 / 6.120*	*- / -*	*184 / 18.560*

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - CVR/DVR -- Minimize C-130 CNS/ ATM Program
Models of Systems Affected: C-130H 1/2/3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401115F

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 Procurement, All Modifications	*0 / 0.000*	*- / -*	*- / -*	*- / 1.500*	*- / -*	*- / 1.500*	*30 / 3.200*	*36 / 3.240*	*50 / 4.500*	*68 / 6.120*	*- / -*	*184 / 18.560*
Support												
DATA	0 / 0.000	- / -	- / -	- / 1.000	- / -	- / 1.000	- / 1.000	- / -	- / -	- / -	- / -	- / 2.000
SUPPORT- EQUIP	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.975	- / 0.825	- / 0.825	- / 2.775	- / -	- / 5.400
ICS-Labor	0 / 0.000	- / -	- / -	- / 1.500	- / -	- / 1.500	- / 1.500	- / 1.500	- / 1.500	- / 1.500	- / -	- / 7.500
Install Spares	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.200	- / 0.320	- / 0.400	- / 0.520	- / -	- / 1.440
PMA	0 / 0.000	- / -	- / -	- / 0.278	- / -	- / 0.278	- / 0.276	- / 0.254	- / 0.282	- / 0.160	- / -	- / 1.250
Total Support, All Modifications	*0.000*	*-*	*-*	*2.778*	*-*	*2.778*	*3.951*	*2.899*	*3.007*	*4.955*	*-*	*17.590*
Total Procurement and Support	*0.000*	*-*	*-*	*4.278*	*-*	*4.278*	*7.151*	*6.139*	*7.507*	*11.075*	*-*	*36.150*
CVR/DVR -- Minimize C-130 CNS/ATM Program Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	30 / 0.768	36 / 0.921	118 / 3.021	- / -	184 / 4.710
Total Installation Cost	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*30 / 0.768*	*36 / 0.921*	*118 / 3.021*	*- / -*	*184 / 4.710*
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**4.278**	**-**	**4.278**	**7.151**	**6.907**	**8.428**	**14.096**	**-**	**40.860**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - CVR/DVR -- Minimize C-130 CNS/ ATM Program
Models of Systems Affected: C-130H 1/2/3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401115F

Manufacturer Information: CVR/DVR -- Minimize C-130 CNS/ATM Program

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*: 9	Production Leadtime *(in Months)*: 9

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates				Jul 2015	Mar 2016	Apr 2017	Nov 2017
Delivery Dates				Apr 2016	Dec 2016	Jan 2018	Aug 2018

Installation: CVR/DVR -- Minimize C-130 CNS/ATM Program	Method of Implementation: Contract Field Team	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 0.768	- / -	- / -	- / -	30 / 0.768
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.358	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.410	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 0.921	- / -	- / -	36 / 0.921
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.358	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.307	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.256	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 1.280	- / -	50 / 1.280
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.819	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.461	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	68 / 1.741	- / -	68 / 1.741
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 1.229	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.512	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13000 - C-130	**Modification Nomenclature (*Modification Number - Modification Title*):** 2 - CVR/DVR -- Minimize C-130 CNS/ ATM Program
Models of Systems Affected: C-130H 1/2/3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401115F

Installation: CVR/DVR -- Minimize C-130 CNS/ATM Program | **Method of Implementation:** Contract Field Team | **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)*
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 0.768	36 / 0.921	118 / 3.021	- / -	184 / 4.710
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.358	14 / 0.358	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.410	12 / 0.307	80 / 2.048	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.256	38 / 0.973	- / -	- / -

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	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	18	3	11	11	11	20	30	34	34	-	184
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	19	2	12	11	11	20	30	34	34	-	184

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13001 - C-130 Intel

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0503115F

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)*	14.841	8.193	-	-	-	-	-	-	-	-	-	23.034
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	14.841	8.193	-	-	-	-	-	-	-	-	-	23.034
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**14.841**	**8.193**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**23.034**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

DESCRIPTION:
FY12 funding totals include $4.6M appropriated for Overseas Contingency Operations.

This line item funds Military Intelligence Program modifications to the C-130 and Special Mission C-130 aircraft. Prior to FY 2011, funding for the ANG Senior Scout modification was budgeted in the C-130 mods P-1 line.

FY12 funding is baseline for special signal collection system kit procurements and installations, communication suite upgrades, system infrastructure upgrades, and national tactical integration efforts.

This document includes only FY12 funds for SENIOR SCOUT. Funding in the FYDP has been deleted as a result of program cancellation in FY13 PB submission.

No FY14 funding requested.

Funding for this exhibit contained in PE 0503115F.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
C13001 - C-130 Intel

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0503115F

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
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.388	-	-	-	-	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.805	-	-	-	-	-	-	-	-

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
ANG SENIOR SCOUT	P40A		-	-	14.841	-	-	8.193	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost					**14.841**			**8.193**			**-**			**-**			**-**			**-**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
ANG SENIOR SCOUT	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.034
Total Gross/Weapon System Cost					**-**			**-**			**-**			**-**			**-**			**23.034**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C1300J - C-130J MODS

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0401897F, 0401132F, 0401134F

MDAP/MAIS Code(s): 220

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)*	105.071	66.033	70.555	10.475	-	10.475	12.089	39.077	65.005	66.175	835.250	1,269.730
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	105.071	66.033	70.555	10.475	-	10.475	12.089	39.077	65.005	66.175	835.250	1,269.730
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**105.071**	**66.033**	**70.555**	**10.475**	**-**	**10.475**	**12.089**	**39.077**	**65.005**	**66.175**	**835.250**	**1,269.730**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

FY12 funding totals include $27.983M appropriated for Overseas Contingency Operations.

The C-130J is a medium-size transport aircraft capable of performing a variety of combat delivery (tactical airlift) operations across a broad range of mission environments. The C-130J aircraft, with its extended (by 15 ft) fuselage, provides additional cargo carrying capacity for the USAF combat delivery mission compared with legacy C-130E/Hs and the C-130J (short).

Other variants of the USAF C-130J fleet are all short-bodied aircraft and include the EC-130J (airborne psychological operations), WC-130J (weather reconnaissance), HC-130J (combat search and rescue), MC-130J (special operations), and the AC-130J (close air support and armed reconnaissance).
As of 9 Aug 2012 there are 115 USAF C-130J Variants: C-130J - 78, C-130J (short) - 10, WC-130J - 10, EC-130J - 7, HC-130J - 2, MC-130J - 8. The designed service life is 35 years and the average service life remaining is 29.3 years.

Funding for this exhibit is contained in PE 0401132F.

In FY14 the center wing box replacement program continues with the procurement of two enhanced service life (ESL) center wings plus. Since Nov 2009 all production C-130Js have been delivered with the ESL center wing.

Blocks 7.0 and 8.1 together will allow the C-130J to meet all known Communication, Navigation and Surveillance/Air Traffic Management (CNS/ATM) and naviagtion safety mandates.

In order to better manage the fleet and to avoid having to simultaneously support three separate aircraft configurations (Block 6, Block 7 and Block 8.1), Block 7.0 and Block 8.1 have been combined. This way the aircraft and trainers will only have to be modified one time.

The international C-130J Block 7 collaborative development program will complete in 2013. Block 8.1 is in development and we will begin ordering Block 7.0/8.1 kits in 2016 under Mod #5222, Block 8.1.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C1300J - C-130J MODS

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401897F, 0401132F, 0401134F

MDAP/MAIS Code(s): 220

NOTE: USMC KC-130Js and USCG HC-130Js are following USAF's lead and will also field a combined Block 7/8.1 aircraft.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	65.183	70.555	10.475	-	10.475	12.089	39.077	65.005	66.175
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.544	-	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.306	-	-	-	-	-	-	-	-

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Avionics System and Structural Modifications	P40A		-	-	10.809	-	-	6.294	-	-	3.336	-	-	0.300	-	-	-	-	-	0.300
BLOCK 8.0	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wind Gust Brake	P40A		-	-	38.911	-	-	-	-	-	0.060	-	-	0.201	-	-	-	-	-	0.201
C-130J BLOCK 7.0 UPGRADES	P40A		-	-	0.000	-	-	13.452	-	-	35.261	-	-	-	-	-	-	-	-	-
LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	P40A		-	-	47.010	-	-	45.287	-	-	-	-	-	-	-	-	-	-	-	-
C-130J Center Wing Replacement	P40A		-	-	0.000	-	-	-	-	-	21.753	-	-	1.194	-	-	-	-	-	1.194
LOW COST MODIFICATIONS	P40A		-	-	8.004	-	-	1.000	-	-	2.000	-	-	1.235	-	-	-	-	-	1.235
1680 - C-130J Tactics Training	P3A		-	-	0.337	-	-	-	-	-	8.145	-	-	7.545	-	-	-	-	-	7.545
Total Gross/Weapon System Cost					**105.071**			**66.033**			**70.555**			**10.475**			**-**			**10.475**

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
C1300J - C-130J MODS

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401897F, 0401132F, 0401134F

MDAP/MAIS Code(s): 220

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Avionics System and Structural Modifications	P40A		-	-	0.433	-	-	0.133	-	-	-	-	-	-	-	-	-	-	-	21.305
BLOCK 8.0	P40A		-	-	-	-	-	28.723	-	-	64.505	-	-	65.675	-	-	835.250	-	-	994.153
Wind Gust Brake	P40A		-	-	0.148	-	-	0.114	-	-	-	-	-	-	-	-	-	-	-	39.434
C-130J BLOCK 7.0 UPGRADES	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.713
LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.297
C-130J Center Wing Replacement	P40A		-	-	11.140	-	-	9.607	-	-	-	-	-	-	-	-	-	-	-	43.694
LOW COST MODIFICATIONS	P40A		-	-	0.368	-	-	0.500	-	-	0.500	-	-	0.500	-	-	-	-	-	14.107
1680 - C-130J Tactics Training	P3A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.027
Total Gross/Weapon System Cost					**12.089**			**39.077**			**65.005**			**66.175**			**835.250**			**1,269.730**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C1300J - C-130J MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 1680 - C-130J Tactics Training
Models of Systems Affected: N/A	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401897F

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)*	0.337	-	8.145	7.545	-	7.545	-	-	-	-	-	16.027
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.337	-	8.145	7.545	-	7.545	-	-	-	-	-	16.027
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.337**	**-**	**8.145**	**7.545**	**-**	**7.545**	**-**	**-**	**-**	**-**	**-**	**16.027**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Funds the procurement and installation of a threat generation system, a new visual system, and a Joint Precision Air Drop System (JPADS) capability in five C-130J Weapons System Trainers. This new capability will increase combat effectiveness, improve aircraft survivability, and allows visual formation and JPADS training to take place in the simulator versus the aircraft.

Milestone/Development Status

N/A

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C1300J - C-130J MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 1680 - C-130J Tactics Training
Models of Systems Affected: N/A	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401897F

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												
C-130J Tactics Training												
B Kits												
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.337	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.337
Subtotal Non-Recurring	*0 / 0.337*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *0.337*
Secondary Distribution												
AF	0 / 0.337	- / -	- / 8.145	- / 7.545	- / -	- / 7.545	- / -	- / -	- / -	- / -	- / -	- / -
Total, C-130J Tactics Training	*0 / 0.337*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *0.337*
Total Procurement, All Modifications	*0 / 0.337*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *0.337*
Support												
SIM/TRAINER	0 / 0.000	- / -	- / 8.145	- / 7.545	- / -	- / 7.545	- / -	- / -	- / -	- / -	- / -	- / 15.690
Total Support, All Modifications	*0.000*	-	*8.145*	*7.545*	-	*7.545*	-	-	-	-	-	*15.690*
Total Procurement and Support	*0.337*	-	*8.145*	*7.545*	-	*7.545*	-	-	-	-	-	*16.027*
Total Installation Cost	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Cost (Procurement + Support + Installation)	**0.337**	**-**	**8.145**	**7.545**	**-**	**7.545**	**-**	**-**	**-**	**-**	**-**	**16.027**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C1300J - C-130J MODS	**Modification Nomenclature (*Modification Number - Modification Title*):** 1680 - C-130J Tactics Training
Models of Systems Affected: N/A	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401897F

Manufacturer Information: C-130J Tactics Training

Manufacturer Name: Lockheed Martin Information Systems	Manufacturer Location: Orlando, FL
Administrative Leadtime *(in Months)*: 0	Production Leadtime *(in Months)*: 0

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

Installation: C-130J Tactics Training	**Method of Implementation:** Org/Intermediate	**Installation Quantity:** 0

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13500 - C-135

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401218F, 0401134F, 0401897F

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)*	36.747	62.210	46.707	46.556	-	46.556	67.245	59.806	54.988	55.978	245.923	676.160
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	36.747	62.210	46.707	46.556	-	46.556	67.245	59.806	54.988	55.978	245.923	676.160
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**36.747**	**62.210**	**46.707**	**46.556**	**-**	**46.556**	**67.245**	**59.806**	**54.988**	**55.978**	**245.923**	**676.160**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 C-135 is a four engine aircraft used for long range cargo and passenger airlift and to support theater commanders. The four engine KC-135 provides air refueling through either the refueling boom or drogue. As a cargo aircraft, the KC-135 can carry six standard 463-L pallets. As of FY13, there are 400 aircraft (396 KCs, 4 special purpose) in the C-135 inventory. The average age is 51 years, with 27 years of service life remaining (projected service life of 2040). The primary modifications in FY14 are Block 45, VOR/ILS Antennae and Low Cost Modifications (LCMs) that address obsolescence and improve flight safety, reliability, and maintainability.

Funding for this exhibit contained in PEs 0401218F and 0401897F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	61.023	38.130	28.743	-	28.743	40.350	31.931	28.656	26.522
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.852	6.229	12.574	-	12.574	18.927	19.743	19.198	21.265
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.335	2.348	5.239	-	5.239	7.968	8.132	7.134	8.191

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
C13500 - C-135

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401218F, 0401134F, 0401897F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
MODE 5	P40A		-	-	9.430	-	-	5.803	-	-	-	-	-	-	-	-	-	-	-	-
VOR/ILS ANTENNAE	P40A		-	-	1.373	-	-	2.331	-	-	2.455	-	-	2.604	-	-	-	-	-	2.604
Visual System Replacement (VSR)	P40A		-	-	21.974	-	-	21.057	-	-	4.860	-	-	-	-	-	-	-	-	-
LOW COST SAFETY MODIFICATIONS	P40A		-	-	0.025	-	-	0.025	-	-	0.025	-	-	0.025	-	-	-	-	-	0.025
LOW COST MODIFICATIONS	P40A		-	-	3.945	-	-	1.540	-	-	0.695	-	-	1.897	-	-	-	-	-	1.897
8653 - BLOCK 45	P3A		-	-	-	-	-	31.454	-	-	38.672	-	-	42.030	-	-	-	-	-	42.030
Total Gross/Weapon System Cost					**36.747**			**62.210**			**46.707**			**46.556**			**-**			**46.556**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
MODE 5	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.233
VOR/ILS ANTENNAE	P40A		-	-	2.551	-	-	1.348	-	-	0.919	-	-	-	-	-	-	-	-	13.581
Visual System Replacement (VSR)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47.891
LOW COST SAFETY MODIFICATIONS	P40A		-	-	0.025	-	-	0.025	-	-	0.025	-	-	0.025	-	-	0.100	-	-	0.300
LOW COST MODIFICATIONS	P40A		-	-	0.292	-	-	0.404	-	-	1.901	-	-	0.073	-	-	5.985	-	-	16.732
8653 - BLOCK 45	P3A		-	-	64.377	-	-	58.029	-	-	52.143	-	-	55.880	-	-	239.838	-	-	582.423
Total Gross/Weapon System Cost					**67.245**			**59.806**			**54.988**			**55.978**			**245.923**			**676.160**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13500 - C-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 8653 - BLOCK 45
Models of Systems Affected: C/KC-135	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401218F

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)*	-	31.454	38.672	42.030	-	42.030	64.377	58.029	52.143	55.880	239.838	582.423
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	31.454	38.672	42.030	-	42.030	64.377	58.029	52.143	55.880	239.838	582.423
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**31.454**	**38.672**	**42.030**	**-**	**42.030**	**64.377**	**58.029**	**52.143**	**55.880**	**239.838**	**582.423**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Block 45 addresses obsolescence, reliability and maintainability issues currently experienced by the KC-135 Fleet. The modification includes a new Digital Flight Director (DFD), Digital Radar Altimeter (RA), Digital Autopilot (AP) and Electronic Engine Instrument Displays (EEID). Block 45 requirements are outlined in the Capability Development Document (CDD) for KC-135 Communications, Navigation, and Surveillance/Air Traffic Management (CNS/ATM), dated 21 Oct 08.

The DFD replaces the existing obsolete analog flight director (high maintenance driver) and provides a fully integrated flight guidance system and at the same time provides improved capability. The RA replaces the existing obsolete AL-101 radio altimeter (high maintenance driver) with a new state of the art digital high mean time between failure (MTBF) RA. The digital AP replaces the current obsolete analog AP system. The EEID replaces the obsolete analog engine instruments. The Air Force expects to achieve MTBF figures as follows:

Radar Altimeter - 8,462 (current 1,454)
Digital Flight Director - 11,388 (current 899)
Autopilot - 2,335 (current 339)
Engine Instruments - 4,726 (current 2,336)

In addition, by replacing these components, the Air Force expects to realize approximately $8.50M annually (or $440M total) in cost avoidance relative to system repair costs.

Aircraft Breakdown: USAF plans to modify 400 C-135 aircraft (396 KC-135 R/T, 4 special purpose) with Block 45 (DFD, AP, RA and EEID). Two of the 396 aircraft modifications are prototypes funded with RDT&E. The rest will be funded with APAF. This program has associated Research Development Test and Evaluation funding in PE 0401218F. This program has associated initial spares funding in BA 06.

The Milestone Decision Authority (MDA) approved procurement of 15 LRIP kits prior to test completion and MS C approval in Jun 13. Through preliminary developmental test and evaluation, the KC-135 Block 45 modification program material solution demonstrated mature performance supporting LRIP kit procurement prior to the MS C decision. This approach is in accordance with the approved Block 45 acquisition strategy as discussed in the MS B decision briefing and as documented in the MS B Acquisition Decision Memorandum (ADM).

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13500 - C-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 8653 - BLOCK 45
Models of Systems Affected: C/KC-135	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401218F

Milestone/Development Status

Engineering Manufacturing Development (EMD) activities originally planned for conclusion in 4Q FY12. Issues during DT&E caused delays. The program currently anticipates finishing tests by 3QFY13.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13500 - C-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 8653 - BLOCK 45
Models of Systems Affected: C/KC-135	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401218F

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)*
RDT&E PE #												
0401218F	0 / 42.640	- / 7.393	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 50.033
Procurement												
BLOCK 45												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	15 / 1.474	8 / 0.659	14 / 1.172	- / -	14 / 1.172	18 / 1.534	17 / 1.475	17 / 1.502	17 / 1.529	58 / 5.428	164 / 14.773
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	8 / 0.659	14 / 1.172	- / -	14 / 1.172	19 / 1.619	17 / 1.475	17 / 1.502	20 / 1.798	73 / 6.837	168 / 15.062
INSTALL KITS Group A (Reserve)	0 / 0.000	- / -	3 / 0.247	6 / 0.502	- / -	6 / 0.502	8 / 0.681	7 / 0.606	6 / 0.528	8 / 0.718	24 / 2.243	62 / 5.525
Subtotal Recurring	*0 / 0.000*	*15 / 1.474*	*19 / 1.565*	*34 / 2.846*	*- / -*	*34 / 2.846*	*45 / 3.834*	*41 / 3.556*	*40 / 3.532*	*45 / 4.045*	*155 / 14.508*	*394 / 35.360*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	15 / 8.495	8 / 5.079	14 / 8.683	- / -	14 / 8.683	18 / 11.130	17 / 10.766	17 / 10.969	17 / 11.058	58 / 38.510	164 / 104.690
EQUIPMENT Group B (Guard)	0 / 0.000	- / -	8 / 5.079	14 / 8.683	- / -	14 / 8.683	19 / 11.748	17 / 10.766	17 / 10.969	20 / 13.009	73 / 48.489	168 / 108.743
EQUIPMENT Group B (Reserve)	0 / 0.000	- / -	3 / 1.904	6 / 3.720	- / -	6 / 3.720	8 / 4.945	7 / 4.431	6 / 3.871	8 / 5.203	24 / 15.933	62 / 40.007
Subtotal Recurring	*0 / 0.000*	*15 / 8.495*	*19 / 12.062*	*34 / 21.086*	*- / -*	*34 / 21.086*	*45 / 27.823*	*41 / 25.963*	*40 / 25.809*	*45 / 29.270*	*155 / 102.932*	*394 / 253.440*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Secondary Distribution												
AF	0 / 0.000	15 / 31.454	8 / 29.977	14 / 19.481	- / -	14 / 19.481	18 / 33.189	17 / 24.320	17 / 20.033	17 / 20.016	- / -	- / -
AFNG	0 / 0.000	- / -	8 / 5.738	14 / 9.855	- / -	14 / 9.855	19 / 13.367	17 / 12.241	17 / 12.471	20 / 14.807	- / -	- / -
AFR	0 / 0.000	- / -	3 / 2.151	6 / 4.222	- / -	6 / 4.222	8 / 5.626	7 / 5.037	6 / 4.399	8 / 5.921	- / -	- / -
Total, BLOCK 45	*0 / 0.000*	*15 / 9.969*	*19 / 13.627*	*34 / 23.932*	*- / -*	*34 / 23.932*	*45 / 31.657*	*41 / 29.519*	*40 / 29.341*	*45 / 33.315*	*155 / 117.440*	*394 / 288.800*
Total Procurement, All Modifications	*0 / 0.000*	*15 / 9.969*	*19 / 13.627*	*34 / 23.932*	*- / -*	*34 / 23.932*	*45 / 31.657*	*41 / 29.519*	*40 / 29.341*	*45 / 33.315*	*155 / 117.440*	*394 / 288.800*
Support												
CHANGE ORDERS	0 / 0.000	- / -	- / 8.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.000
DATA	0 / 0.000	- / 4.463	- / -	- / 0.640	- / -	- / 0.640	- / 0.290	- / -	- / -	- / -	- / 2.000	- / 7.393

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13500 - C-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 8653 - BLOCK 45
Models of Systems Affected: C/KC-135	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401218F

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)*
SIM/TRAINER	0 / 0.000	- / 7.626	1 / 3.181	3 / 3.579	- / -	3 / 3.579	3 / 5.278	4 / 4.003	4 / 0.949	- / -	4 / 8.640	19 / 33.256
SUPPORT- EQUIP	0 / 0.000	- / 0.030	- / 0.060	- / 0.090	- / -	- / 0.090	- / 0.090	- / 0.090	- / 0.090	- / 0.090	- / 0.198	- / 0.738
OTHER GOVT	0 / 0.000	- / 7.713	- / 11.269	- / 3.616	- / -	- / 3.616	- / 12.660	- / 5.251	- / 3.934	- / 4.756	- / 20.005	- / 69.204
GFE	0 / 0.000	- / 1.000	- / 1.000	- / 1.000	- / -	- / 1.000	- / 1.502	- / 2.024	- / 1.877	- / 1.864	- / 9.793	- / 20.060
PMA - Contractor Services	0 / 0.000	- / 0.551	- / 0.579	- / 0.551	- / -	- / 0.551	- / 0.605	- / 0.636	- / 0.652	- / 0.669	- / 2.054	- / 6.297
PMA - Other Gov't Costs	0 / 0.000	- / 0.102	- / 0.150	- / 0.150	- / -	- / 0.150	- / 0.100	- / 0.075	- / 0.060	- / 0.050	- / 0.200	- / 0.887
Total Support, All Modifications	*0.000*	*21.485*	*24.239*	*9.626*	*-*	*9.626*	*20.525*	*12.079*	*7.562*	*7.429*	*42.890*	*145.835*
Total Procurement and Support	*0.000*	*31.454*	*37.866*	*33.558*	*-*	*33.558*	*52.182*	*41.598*	*36.903*	*40.744*	*160.330*	*434.635*
BLOCK 45 Installation Cost	0 / 0.000	- / -	3 / 0.806	31 / 8.472	- / -	31 / 8.472	34 / 12.195	45 / 16.431	41 / 15.240	40 / 15.136	200 / 79.508	394 / 147.788
Total Installation Cost	*0 / 0.000*	*- / -*	*3 / 0.806*	*31 / 8.472*	*- / -*	*31 / 8.472*	*34 / 12.195*	*45 / 16.431*	*41 / 15.240*	*40 / 15.136*	*200 / 79.508*	*394 / 147.788*
Total Cost (Procurement + Support + Installation)	**0.000**	**31.454**	**38.672**	**42.030**	**-**	**42.030**	**64.377**	**58.029**	**52.143**	**55.880**	**239.838**	**582.423**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13500 - C-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 8653 - BLOCK 45
Models of Systems Affected: C/KC-135	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401218F

Manufacturer Information: BLOCK 45

Manufacturer Name: Rockwell Collins	Manufacturer Location: Cedar Rapids, IA
Administrative Leadtime *(in Months)*: 1	Production Leadtime *(in Months)*: 8

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

Installation: BLOCK 45	Method of Implementation: Contractor Facility	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	3 / 0.806	12 / 3.279	- / -	12 / 3.279	- / -	- / -	- / -	- / -	- / -	15 / 4.085
Secondary Distribution - Air Force Active	- / -	- / -	3 / 0.806	12 / 3.279	- / -	12 / 3.279	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	19 / 5.193	- / -	19 / 5.193	- / -	- / -	- / -	- / -	- / -	19 / 5.193
Secondary Distribution - Air Force Active	- / -	- / -	- / -	8 / 2.186	- / -	8 / 2.186	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	8 / 2.186	- / -	8 / 2.186	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	3 / 0.821	- / -	3 / 0.821	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	34 / 12.195	- / -	- / -	- / -	- / -	34 / 12.195
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	14 / 5.021	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	14 / 5.021	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.153	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 16.431	- / -	- / -	- / -	45 / 16.431
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 6.572	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 6.938	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 2.921	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	41 / 15.240	- / -	- / -	41 / 15.240
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 6.319	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 6.319	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 2.602	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 15.136	- / -	40 / 15.136
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 6.433	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 6.433	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.270	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** C13500 - C-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 8653 - BLOCK 45
Models of Systems Affected: C/KC-135	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401218F

Installation: BLOCK 45 | **Method of Implementation:** Contractor Facility | **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)*
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 17.335	45 / 17.335
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	155 / 62.173	155 / 62.173
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	3 / 0.806	31 / 8.472	- / -	31 / 8.472	34 / 12.195	45 / 16.431	41 / 15.240	40 / 15.136	200 / 79.508	394 / 147.788
Secondary Distribution - Air Force Active	- / -	- / -	3 / 0.806	20 / 5.465	- / -	20 / 5.465	14 / 5.021	18 / 6.572	17 / 6.319	17 / 6.433	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	8 / 2.186	- / -	8 / 2.186	14 / 5.021	19 / 6.938	17 / 6.319	17 / 6.433	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	3 / 0.821	- / -	3 / 0.821	6 / 2.153	8 / 2.921	7 / 2.602	6 / 2.270	- / -	- / -

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	0	-	-	-	-	-	-	-	3	7	8	8	8	8	8	9	9	11	11	11	12	10	10	10	11	10	10	10	10	200	394
Out	0	-	-	-	-	-	-	-	-	3	7	8	8	8	8	8	9	9	11	11	11	12	10	10	10	11	10	10	10	210	394

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** CALL00 - COMPASS CALL Mods

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0207253F

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)*	-	302.154	64.024	34.494	-	34.494	66.262	63.967	56.562	57.580	-	645.043
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	302.154	64.024	34.494	-	34.494	66.262	63.967	56.562	57.580	-	645.043
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**302.154**	**64.024**	**34.494**	**-**	**34.494**	**66.262**	**63.967**	**56.562**	**57.580**	**-**	**645.043**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	62.007	28.663	11.890	-	11.890	20.967	19.596	17.652	17.970	-	178.745
Flyaway Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 2012 funding totals include $12.0M appropriated for Overseas Contingency Operations.
FY 2013 funding totals include $14.0M requested for Overseas Contingency Operations.

The EC-130H COMPASS CALL aircraft is the USAF's wide-area coverage Airborne Electronic Attack (AEA) and Offensive Counter Information (OCI) weapon system. The mission equipment must continue to evolve to keep pace with the emerging adversary developments in new communications and sensor technology as well as the use of rapidly advancing commercial technology. Production funds are required for modification kit production (both hardware and software) and installation on each aircraft.

The current EC-130H COMPASS CALL inventory includes 14 operational/mission capable aircraft (Primary Mission Aircraft Inventory), and one TC-130H flight deck trainer aircraft (Basic Aircraft Inventory).

Funding for this exhibit contained in PE 0207253F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	302.154	64.024	34.495	-	34.495	66.263	63.967	56.562	57.580

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
CALL00 - COMPASS CALL Mods

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207253F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
EC15	P40A		-	-	0.000	-	-	149.300	-	-	-	-	-	-	-	-	-	-	-	-
1001 - COMPASS CALL	P3A		-	-	-	-	-	152.854	-	-	64.024	-	-	34.495	-	-	-	-	-	34.495
Total Gross/Weapon System Cost					**-**			**302.154**			**64.024**			**34.494**			**-**			**34.494**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
EC15	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	149.300
1001 - COMPASS CALL	P3A		-	-	66.263	-	-	63.967	-	-	56.562	-	-	57.580	-	-	-	-	-	495.745
Total Gross/Weapon System Cost					**66.262**			**63.967**			**56.562**			**57.580**			**-**			**645.043**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** CALL00 - COMPASS CALL Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 1001 - COMPASS CALL
Models of Systems Affected: EC-130H/TC-130H	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207253F

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)*	-	152.854	64.024	34.495	-	34.495	66.263	63.967	56.562	57.580	-	495.745
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	152.854	64.024	34.495	-	34.495	66.263	63.967	56.562	57.580	-	495.745
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**152.854**	**64.024**	**34.495**	**-**	**34.495**	**66.263**	**63.967**	**56.562**	**57.580**	**-**	**495.745**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	62.007	28.663	11.890	-	11.890	20.967	19.596	17.652	17.970	-	178.745
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 EC-130H COMPASS CALL aircraft is the USAF's wide-area, airborne Command and Control Warfare/Information Operations (C2W/IO) weapon system. The mission equipment must continue to evolve to keep pace with emerging adversary developments in new communications and sensor technology as well as use of rapidly advancing commercial technology. The EC-130H COMPASS CALL program employs an incremental baseline upgrade acquisition strategy that puts capability into the warfighters hands as soon as practical and ensures each iteration of the weapon system is effective against the highest priority threats. A new baseline of capability is fielded approximately every three years. Capabilities inserted into each baseline are planned in advance, based on warfighter inputs. Executive Management Reviews are utilized to review and "lock" baseline content as production nears. Kits contracted for purchase and integration in a given baseline upgrade are bought in the first year of the procurement funding cycle and are installed in the next year. Production funds are required for modification kit production (both hardware and software) and installation on each aircraft based on a baseline upgrade cyclic schedule. Baseline 1 configured aircraft are fielded and operational. Baseline 0 configurations are currently fielded and have started to return for their programmed depot maintenance and upgrade to Baseline 2 configuration. Baseline 2 configured aircraft efforts funded with the FY 2014 appropriation will focus on reliability and sustainability improvements, significant obsolete parts replacement, weight reduction, operator/maintenance simplification of PME operations, and capability increases. Some examples are procurement of digital narrow band subsystem, counter radar subsystem, and 3rd Generation Special Purpose Emitter Array (SPEAR). Production funds are also used for avionics modifications to meet Communications, Navigation, Surveillance/Air Traffic Management (CNS/ATM) requirements and address avionics obsolescence issues. Delivery of Baseline 2 configured aircraft will begin in the Second Quarter of FY 2014.

Baseline 3 aircraft modifications will continue to address reliability and sustainability improvements, weight reduction, as well as capability increases. Baseline 3 will include, but is not limited to, new receiver suite, digital intercom and improved external communications. Modifications for LAIRCM and Avionics are also included with the fielded aircraft.

Similarly, new baselines will include necessary simulator modifications to ensure the simulators replicate the current aircraft configurations and address training obsolescence issues. Due to the rapidly changing threat environment encountered during our prolonged commitment to Overseas Contingency Operations (OCO), the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander requirements through Quick Reaction Capability (QRC) kits.

Equipment includes aircraft and mission equipment retrofits based on the PDM and modification cyclic schedule. Program of record at the end of FY 2013 includes the following resources: 14 EC-130H operational / mission capable aircraft (primary mission aircraft inventory or PMAI), one (1) TC-130H flight deck trainer aircraft (basic aircraft inventory or BAI), and one (1) COMPASS CALL Mission Crew

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** CALL00 - COMPASS CALL Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 1001 - COMPASS CALL
Models of Systems Affected: EC-130H/TC-130H	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207253F

Simulator (CCMCS). FY 2014 funding will procure Group A and Group B kits as well as installation of such hardware during the aircraft PDM/modification cycle. Lastly, the initial spares procurement funding in FY14 will be used to support the EC-130H mission in its theater of operations.

Funding for this exhibit contained in PE 0207253F.

Milestone/Development Status

The EC-130H COMPASS CALL weapon system is continuously improved using a rapid development and acquisition process supporting a baseline upgrade strategy. User needs and technology opportunities are continuously reviewed and a new mission equipment baseline is defined approximately every 36 months. The COMPASS CALL Baseline 2 configuration is projected to begin fielding in the second quarter of FY 2014. Eight (8) EC-130H COMPASS CALL mission aircraft are projected to receive the Baseline 2 upgrade. The COMPASS CALL Baseline 3 configuration is projected to begin fielding in the first quarter of FY 2017. Seven (7) EC-130H COMPASS CALL mission aircraft are projected to receive the Baseline 3 upgrade.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** CALL00 - COMPASS CALL Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 1001 - COMPASS CALL
Models of Systems Affected: EC-130H/TC-130H	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207253F

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)*
RDT&E PE #												
0207253F	0 / 0.000	- / 19.229	- / 12.094	- / 10.782	- / -	- / 10.782	- / 13.263	- / 13.193	- / 12.831	- / 13.062	- / -	- / 94.454
Procurement												
COMPASS CALL												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	2 / 10.098	2 / 10.300	1 / 6.359	- / -	1 / 6.359	2 / 20.431	3 / 13.629	2 / 13.232	2 / 13.076	- / -	14 / 87.125
Subtotal Recurring	*0 / 0.000*	*2 / 10.098*	*2 / 10.300*	*1 / 6.359*	*- / -*	*1 / 6.359*	*2 / 20.431*	*3 / 13.629*	*2 / 13.232*	*2 / 13.076*	*- / -*	*14 / 87.125*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	2 / 31.268	2 / 10.205	1 / 5.356	- / -	1 / 5.356	3 / 17.209	2 / 11.479	2 / 11.145	2 / 11.113	- / -	14 / 97.775
Subtotal Recurring	*0 / 0.000*	*2 / 31.268*	*2 / 10.205*	*1 / 5.356*	*- / -*	*1 / 5.356*	*3 / 17.209*	*2 / 11.479*	*2 / 11.145*	*2 / 11.113*	*- / -*	*14 / 97.775*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	2 / 29.170	2 / 17.427	2 / 16.603	- / -	2 / 16.603	2 / 17.419	2 / 22.931	2 / 21.175	2 / 22.540	- / -	14 / 147.265
Subtotal Non-Recurring	*0 / 0.000*	*2 / 29.170*	*2 / 17.427*	*2 / 16.603*	*- / -*	*2 / 16.603*	*2 / 17.419*	*2 / 22.931*	*2 / 21.175*	*2 / 22.540*	*- / -*	*14 / 147.265*
Secondary Distribution												
AF	0 / 0.000	2 / 142.369	2 / 53.703	1 / 30.125	- / -	1 / 30.125	2 / 56.902	3 / 49.918	2 / 47.469	2 / 48.684	- / -	- / -
Total, COMPASS CALL	*0 / 0.000*	*2 / 70.536*	*2 / 37.932*	*1 / 28.318*	*- / -*	*1 / 28.318*	*2 / 55.059*	*3 / 48.039*	*2 / 45.552*	*2 / 46.729*	*- / -*	*14 / 332.165*
Total Procurement, All Modifications	*0 / 0.000*	*2 / 70.536*	*2 / 37.932*	*1 / 28.318*	*- / -*	*1 / 28.318*	*2 / 55.059*	*3 / 48.039*	*2 / 45.552*	*2 / 46.729*	*- / -*	*14 / 332.165*
Support												
SIM/TRAINER	0 / 0.000	1 / 24.397	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 24.397
OTHER GOVT	0 / 0.000	4 / 12.000	4 / 14.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 26.000
OTHER GOVT (1)	0 / 0.000	5 / 33.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 33.700
PMA	0 / 0.000	- / 1.736	- / 1.771	- / 1.807	- / -	- / 1.807	- / 1.843	- / 1.879	- / 1.917	- / 1.955	- / -	- / 12.908
Total Support, All Modifications	*0.000*	*71.833*	*15.771*	*1.807*	*-*	*1.807*	*1.843*	*1.879*	*1.917*	*1.955*	*-*	*97.005*
Total Procurement and Support	*0.000*	*142.369*	*53.703*	*30.125*	*-*	*30.125*	*56.902*	*49.918*	*47.469*	*48.684*	*-*	*429.170*
COMPASS CALL Installation Cost	0 / 0.000	2 / 10.485	2 / 10.321	1 / 4.370	- / -	1 / 4.370	2 / 9.361	3 / 14.049	2 / 9.093	2 / 8.896	- / -	14 / 66.575
Total Installation Cost	*0 / 0.000*	*2 / 10.485*	*2 / 10.321*	*1 / 4.370*	*- / -*	*1 / 4.370*	*2 / 9.361*	*3 / 14.049*	*2 / 9.093*	*2 / 8.896*	*- / -*	*14 / 66.575*
Total Cost (Procurement + Support + Installation)	**0.000**	**152.854**	**64.024**	**34.495**	**-**	**34.495**	**66.263**	**63.967**	**56.562**	**57.580**	**-**	**495.745**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** CALL00 - COMPASS CALL Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 1001 - COMPASS CALL
Models of Systems Affected: EC-130H/TC-130H	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207253F

Manufacturer Information: COMPASS CALL

Manufacturer Name: Unknown	Manufacturer Location: Unknown
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 18

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	Jun 2013	Jun 2014	Jun 2015	Jun 2016	Jun 2017	Jun 2018	Jun 2019

Installation: COMPASS CALL	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	2 / 10.485	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 10.485
Secondary Distribution - Air Force Active	- / -	2 / 10.485	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	2 / 10.321	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 10.321
Secondary Distribution - Air Force Active	- / -	- / -	2 / 10.321	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	1 / 4.370	- / -	1 / 4.370	- / -	- / -	- / -	- / -	- / -	1 / 4.370
Secondary Distribution - Air Force Active	- / -	- / -	- / -	1 / 4.370	- / -	1 / 4.370	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	2 / 9.361	- / -	- / -	- / -	- / -	2 / 9.361
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	2 / 9.361	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 14.049	- / -	- / -	- / -	3 / 14.049
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 14.049	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 9.093	- / -	- / -	2 / 9.093
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 9.093	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 8.896	- / -	2 / 8.896
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 8.896	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	2 / 10.485	2 / 10.321	1 / 4.370	- / -	1 / 4.370	2 / 9.361	3 / 14.049	2 / 9.093	2 / 8.896	- / -	14 / 66.575
Secondary Distribution - Air Force Active	- / -	2 / 10.485	2 / 10.321	1 / 4.370	- / -	1 / 4.370	2 / 9.361	3 / 14.049	2 / 9.093	2 / 8.896	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** CALL00 - COMPASS CALL Mods	**Modification Nomenclature** (*Modification Number - Modification Title*): 1001 - COMPASS CALL
Models of Systems Affected: EC-130H/TC-130H	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207253F

Installation: COMPASS CALL	**Method of Implementation:** Depot	**Installation Name:**

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	0	-	1	-	1	-	1	-	1	-	1	-	-	1	-	1	-	1	-	1	1	-	1	-	1	-	1	-	1	-	14
Out	0	1	-	-	-	-	-	1	-	-	2	-	1	-	1	-	-	1	-	-	1	-	1	-	1	-	1	-	1	2	14

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** DARP01 - RC-135

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0305207F

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)*	-	162.211	173.237	171.813	-	171.813	174.256	177.641	180.887	184.143	-	1,224.188
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	162.211	173.237	171.813	-	171.813	174.256	177.641	180.887	184.143	-	1,224.188
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**162.211**	**173.237**	**171.813**	**-**	**171.813**	**174.256**	**177.641**	**180.887**	**184.143**	**-**	**1,224.188**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	39.385	44.124	32.895	-	32.895	58.033	54.252	48.869	49.749	-	327.307
Flyaway Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 2013 funding totals includes $8.0M appropriated for Overseas Contingency Operations (OCO).

The FY 2014 $2.7M OCO funding request will complete the X-Net integration effort on the RC-135V/W RIVET JOINT aircraft started with FY 2013 OCO funding.

The USAF's Manned Reconnaissance Systems program includes seventeen RC-135 V/W RIVET JOINT, three RC-135S COBRA BALL, and two RC-135U COMBAT SENT mission aircraft. The RC-135V/W RIVET JOINT is the variant with the majority of the aircraft in this program element and as a result, drives the Baseline integration and modification upgrade strategy for the entire RC-135 fleet. Therefore, the majority of the modification budget is directly related to the RIVET JOINT weapon system baseline strategy which subsequently spills over in the baseline strategies for COBRA BALL and COMBAT SENT weapon systems.

An RC-135 Viability Assessement was conducted in 2008 and the results reported that despite their fleet average airframe age (44 years) and accumulated flight hours (38,000) as of the end of fiscal year 2007, the RC-135 should be able to continue to meet the user's needs by performing intended operations until at least through the year 2040. Viability was assessed based on underlying analyses of reliability, maintainability, performance, corrosion, fatigue, architectural stability, safety and availability. The Viability Assessment also summarized that the RC-135 fleet has experienced significant improvements in reliability, maintainability and availability since FY 2001. The Program Manager attributes these improvements directly to the BIG SAFARI Baseline integration and modification upgrade strategy and the synergies gained with long standing relationships with the RC-135 industry partners.

FY 2014 funding efforts will concentrate on Baseline 11 integration efforts which also indirectly reacts to the 2012 RC-135 Multi-Attribute Utility Assessment (MUA), which detailed operational effectivness, cost and program analyses of the alternative weapons system configurations (e.g. C-37, KC-46, P-8, RQ-4). The MUA determined that retaining and sustaining the RC-135V/W airframe offers the highest assessed weapons system utility (measured as a benefit of cost-to-risk ratio) over the 25 year assessment period.

Funding for this exhibit is contained in PE 0305207F, Manned Reconnaissance Systems.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
DARP01 - RC-135

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0305207F

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
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	162.211	173.237	171.813	-	171.813	174.256	177.641	180.887	184.143

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
2504 - COBRA BALL	P3A		-	-	-	-	-	10.331	-	-	10.186	-	-	10.119	-	-	-	-	-	10.119
4263 - RIVET JOINT	P3A		-	-	-	-	-	141.784	-	-	152.783	-	-	151.250	-	-	-	-	-	151.250
4265 - COMBAT SENT	P3A		-	-	-	-	-	10.096	-	-	10.268	-	-	10.444	-	-	-	-	-	10.444
Total Gross/Weapon System Cost					**-**			**162.211**			**173.237**			**171.813**			**-**			**171.813**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
2504 - COBRA BALL	P3A		-	-	10.182	-	-	10.111	-	-	10.155	-	-	10.202	-	-	-	-	-	71.286
4263 - RIVET JOINT	P3A		-	-	153.433	-	-	157.197	-	-	160.404	-	-	163.615	-	-	-	-	-	1,080.466
4265 - COMBAT SENT	P3A		-	-	10.641	-	-	10.333	-	-	10.328	-	-	10.326	-	-	-	-	-	72.436
Total Gross/Weapon System Cost					**174.256**			**177.641**			**180.887**			**184.143**			**-**			**1,224.188**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** DARP01 - RC-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 2504 - COBRA BALL
Models of Systems Affected: RC-135S, TC-135W	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305207F

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)*	-	10.331	10.186	10.119	-	10.119	10.182	10.111	10.155	10.202	-	71.286
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	10.331	10.186	10.119	-	10.119	10.182	10.111	10.155	10.202	-	71.286
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**10.331**	**10.186**	**10.119**	**-**	**10.119**	**10.182**	**10.111**	**10.155**	**10.202**	**-**	**71.286**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Procures and installs various modifications for the three RC-135S COBRA BALL aircraft. Due to the rapidly changing threat environment encountered during our prolonged commitment to Overseas Contingency Operations (OCO), the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander requirements.

The RC-135S COBRA BALL program (DARP/Manned Reconnaissance Systems) is managed as an incremental baseline upgrade acquisition strategy in order to maintain relevancy to evolving and emerging adversarial threats such as the proliferation of networked communications for terrorists and/or insurgents world-wide. The BIG SAFARI Baseline Upgrade Strategy requires purchase agreements for long lead items that take appoximately 12 months from contract award to delivery. Items contracted for purchase and integration in a given Baseline upgrade are bought in the first year of the procurement funding cycle and are installed in the next year. This acquisition strategy has been successful in maintaining critical combat capability in the ISR arena over the last 30+ years.

FY 2014 procurement funding initiatives will concentrate efforts on the COBRA BALL's Baseline 4+ and 5. Baseline 4+ and 5 subsystem upgrades consist of, but not limited to, Wideband Global Satellite (WGS) reachback connectivity, COMINT DF, intercom system replacement, and integrating the RIVET JOINT Baseline 11 COMINT suite.

Funding for this exhibit contained in PE 0305207F.

Milestone/Development Status

FY 2014 procurement, integration, fielding and logistical support efforts for two distinct baseline configuration upgrades (4+ and 5) of the three RC-135S COBRA BALL aircraft, sensor systems, and associated ground support system are attributed to the development efforts initiated in FY 2013 which led to the modifications plans for RC-135S COBRA BALL fleet.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** DARP01 - RC-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 2504 - COBRA BALL
Models of Systems Affected: RC-135S, TC-135W	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305207F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** DARP01 - RC-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 2504 - COBRA BALL
Models of Systems Affected: RC-135S, TC-135W	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305207F

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												
COBRA BALL												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	1 / 2.060	1 / 2.109	1 / 2.155	- / -	1 / 2.155	1 / 2.169	1 / 2.130	1 / 2.116	1 / 2.105	- / -	7 / 14.844
Subtotal Recurring	*0 / 0.000*	*1 / 2.060*	*1 / 2.109*	*1 / 2.155*	*- / -*	*1 / 2.155*	*1 / 2.169*	*1 / 2.130*	*1 / 2.116*	*1 / 2.105*	*- / -*	*7 / 14.844*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	1 / 3.515	1 / 3.315	1 / 3.192	- / -	1 / 3.192	1 / 3.016	1 / 3.058	1 / 3.023	1 / 3.089	- / -	7 / 22.208
Subtotal Recurring	*0 / 0.000*	*1 / 3.515*	*1 / 3.315*	*1 / 3.192*	*- / -*	*1 / 3.192*	*1 / 3.016*	*1 / 3.058*	*1 / 3.023*	*1 / 3.089*	*- / -*	*7 / 22.208*
Secondary Distribution												
AF	0 / 0.000	1 / 10.331	1 / 5.424	1 / 5.347	- / -	1 / 5.347	1 / 5.185	1 / 5.188	1 / 5.139	1 / 5.194	- / -	- / -
Total, COBRA BALL	*0 / 0.000*	*1 / 5.575*	*1 / 5.424*	*1 / 5.347*	*- / -*	*1 / 5.347*	*1 / 5.185*	*1 / 5.188*	*1 / 5.139*	*1 / 5.194*	*- / -*	*7 / 37.052*
Total Procurement, All Modifications	*0 / 0.000*	*1 / 5.575*	*1 / 5.424*	*1 / 5.347*	*- / -*	*1 / 5.347*	*1 / 5.185*	*1 / 5.188*	*1 / 5.139*	*1 / 5.194*	*- / -*	*7 / 37.052*
Support												
Install Spares	0 / 0.000	- / 4.756	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.756
Total Support, All Modifications	*0.000*	*4.756*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*4.756*
Total Procurement and Support	*0.000*	*10.331*	*5.424*	*5.347*	*-*	*5.347*	*5.185*	*5.188*	*5.139*	*5.194*	*-*	*41.808*
COBRA BALL Installation Cost	0 / 0.000	- / -	1 / 4.762	1 / 4.772	- / -	1 / 4.772	1 / 4.997	1 / 4.923	1 / 5.016	1 / 5.008	1 / -	7 / 29.478
Total Installation Cost	*0 / 0.000*	*- / -*	*1 / 4.762*	*1 / 4.772*	*- / -*	*1 / 4.772*	*1 / 4.997*	*1 / 4.923*	*1 / 5.016*	*1 / 5.008*	*1 / -*	*7 / 29.478*
Total Cost (Procurement + Support + Installation)	**0.000**	**10.331**	**10.186**	**10.119**	**-**	**10.119**	**10.182**	**10.111**	**10.155**	**10.202**	**-**	**71.286**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** DARP01 - RC-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 2504 - COBRA BALL
Models of Systems Affected: RC-135S, TC-135W	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305207F

Manufacturer Information: COBRA BALL

Manufacturer Name: Unknown	Manufacturer Location: Unknown
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 18

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	Jun 2013	Jun 2014	Jun 2015	Jun 2016	Jun 2017	Jun 2018	Jun 2019

Installation: COBRA BALL	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	1 / 4.762	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.762
Secondary Distribution - Air Force Active	- / -	- / -	1 / 4.762	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	1 / 4.772	- / -	1 / 4.772	- / -	- / -	- / -	- / -	- / -	1 / 4.772
Secondary Distribution - Air Force Active	- / -	- / -	- / -	1 / 4.772	- / -	1 / 4.772	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.997	- / -	- / -	- / -	- / -	1 / 4.997
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.997	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.923	- / -	- / -	- / -	1 / 4.923
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.923	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.016	- / -	- / -	1 / 5.016
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.016	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.008	- / -	1 / 5.008
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.008	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	1 / 4.762	1 / 4.772	- / -	1 / 4.772	1 / 4.997	1 / 4.923	1 / 5.016	1 / 5.008	- / -	6 / 29.478
Secondary Distribution - Air Force Active	- / -	- / -	1 / 4.762	1 / 4.772	- / -	1 / 4.772	1 / 4.997	1 / 4.923	1 / 5.016	1 / 5.008	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** DARP01 - RC-135	**Modification Nomenclature** (*Modification Number - Modification Title*): 2504 - COBRA BALL
Models of Systems Affected: RC-135S, TC-135W	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305207F

Installation: COBRA BALL	**Method of Implementation:** Depot	**Installation Name:**

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	0	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	7
Out	0	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	2	7

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** DARP01 - RC-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 4263 - RIVET JOINT
Models of Systems Affected: RC-135V/W & TC-135W	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305207F

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)*	-	141.784	152.783	151.250	-	151.250	153.433	157.197	160.404	163.615	-	1,080.466
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	141.784	152.783	151.250	-	151.250	153.433	157.197	160.404	163.615	-	1,080.466
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**141.784**	**152.783**	**151.250**	**-**	**151.250**	**153.433**	**157.197**	**160.404**	**163.615**	**-**	**1,080.466**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	39.385	44.124	32.895	-	32.895	58.033	54.252	48.869	49.749	-	327.307
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Procures and installs various modifications for the RC-135V/W RIVET JOINT aircraft fleet. Due to the rapidly changing threat environment encountered during our prolonged commitment to OCO, the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander requirements.

The RC-135V/W RIVET JOINT program (DARP/Manned Reconnaissance Systems) is managed as an incremental baseline upgrade acquisition strategy in order to maintain relevancy to evolving and emerging adversarial threats such as the proliferation of networked communications for terrorists and/or insurgents world-wide. The BIG SAFARI Baseline Upgrade Strategy requires purchase agreements for long lead items that take appoximately 12 months from contract award to delivery. Items contracted for purchase and integration in a given Baseline upgrade are bought in the first year of the procurement funding cycle and are installed in the next year. This acquisition strategy has been successful in maintaining critical combat capability in the ISR arena over the last 30+ years.

FY 2013 funding includes an $8.0M OCO submission to initiate the integration of an X-Net capability on RIVET JOINT aircraft. X-Net provides a beyond line-of-sight (BLOS) communications capability allowing airborne analysts to communicate directly with tactical ground forces.

FY 2014 procurement funding initiatives will concentrate efforts on the RIVET JOINT's Baseline 11. Baseline 11 subsystem upgrades consist of, but not limited to, precision multi-angle DF COMINT capability, ELINT recorder expansion, precision ELINT (DSS) integration, WGS enhanced integration, continued CNS/ATM and RNP compliant cockpit avionics enhancements to include addressing any obsolescence issues, new steerable beam antenna, and weight reduction phase 3.

An FY 2014 OCO Request of $2.7M has been submitted for continuing the integration of an X-Net capability on RIVET JOINT aircraft.

Funding for this exhibit contained in PE 0305207F.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** DARP01 - RC-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 4263 - RIVET JOINT
Models of Systems Affected: RC-135V/W & TC-135W	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305207F

Milestone/Development Status

FY 2013 aircraft, sensor systems, and associated ground support system developmental efforts for the Baseline 11 configuation upgrade of the RC-135V/W RIVET JOINT leads to the modifications plans initiated in FY 2014 to include the procurement, integration, fielding and logistical support of the Baseline 11 configuration for the RC-135V/W RIVET JOINT.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** DARP01 - RC-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 4263 - RIVET JOINT
Models of Systems Affected: RC-135V/W & TC-135W	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305207F

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)*
RDT&E PE #												
0305207F	0 / 0.000	- / 13.049	- / 13.316	- / 13.491	- / -	- / 13.491	- / 13.685	- / 13.926	- / 14.177	- / 14.432	- / -	- / 96.076
Procurement												
RIVET JOINT												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	4 / 11.811	4 / 12.289	4 / 12.785	- / -	4 / 12.785	4 / 13.291	4 / 13.636	4 / 13.879	4 / 14.173	- / -	28 / 91.864
Subtotal Recurring	*0 / 0.000*	*4 / 11.811*	*4 / 12.289*	*4 / 12.785*	*- / -*	*4 / 12.785*	*4 / 13.291*	*4 / 13.636*	*4 / 13.879*	*4 / 14.173*	*- / -*	*28 / 91.864*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	4 / 86.513	4 / 88.590	4 / 92.600	- / -	4 / 92.600	4 / 93.799	4 / 96.046	4 / 97.714	4 / 100.344	- / -	28 / 655.606
Subtotal Recurring	*0 / 0.000*	*4 / 86.513*	*4 / 88.590*	*4 / 92.600*	*- / -*	*4 / 92.600*	*4 / 93.799*	*4 / 96.046*	*4 / 97.714*	*4 / 100.344*	*- / -*	*28 / 655.606*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Secondary Distribution												
AF	0 / 0.000	4 / 141.784	4 / 110.190	4 / 106.697	- / -	4 / 106.697	4 / 108.403	4 / 110.996	4 / 112.908	4 / 115.833	- / -	- / -
Total, RIVET JOINT	*0 / 0.000*	*4 / 98.324*	*4 / 100.879*	*4 / 105.385*	*- / -*	*4 / 105.385*	*4 / 107.090*	*4 / 109.682*	*4 / 111.593*	*4 / 114.517*	*- / -*	*28 / 747.470*
Total Procurement, All Modifications	*0 / 0.000*	*4 / 98.324*	*4 / 100.879*	*4 / 105.385*	*- / -*	*4 / 105.385*	*4 / 107.090*	*4 / 109.682*	*4 / 111.593*	*4 / 114.517*	*- / -*	*28 / 747.470*
Support												
Install Spares	0 / 0.000	4 / 42.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 42.150
GFE	0 / 0.000	- / -	- / 8.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.000
PMA	0 / 0.000	- / 1.310	- / 1.311	- / 1.312	- / -	- / 1.312	- / 1.313	- / 1.314	- / 1.315	- / 1.316	- / -	- / 9.191
Total Support, All Modifications	*0.000*	*43.460*	*9.311*	*1.312*	*-*	*1.312*	*1.313*	*1.314*	*1.315*	*1.316*	*-*	*59.341*
Total Procurement and Support	*0.000*	*141.784*	*110.190*	*106.697*	*-*	*106.697*	*108.403*	*110.996*	*112.908*	*115.833*	*-*	*806.811*
RIVET JOINT Installation Cost	0 / 0.000	- / -	4 / 42.593	4 / 44.553	- / -	4 / 44.553	4 / 45.030	4 / 46.201	4 / 47.496	4 / 47.782	4 / -	28 / 273.655
Total Installation Cost	*0 / 0.000*	*- / -*	*4 / 42.593*	*4 / 44.553*	*- / -*	*4 / 44.553*	*4 / 45.030*	*4 / 46.201*	*4 / 47.496*	*4 / 47.782*	*4 / -*	*28 / 273.655*
Total Cost (Procurement + Support + Installation)	**0.000**	**141.784**	**152.783**	**151.250**	**-**	**151.250**	**153.433**	**157.197**	**160.404**	**163.615**	**-**	**1,080.466**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** DARP01 - RC-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 4263 - RIVET JOINT
Models of Systems Affected: RC-135V/W & TC-135W	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305207F

Manufacturer Information: RIVET JOINT

Manufacturer Name: Unknown	Manufacturer Location: Unknown
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 18

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	Jun 2013	Jun 2014	Jun 2015	Jun 2016	Jun 2017	Jun 2018	Jun 2019

Installation: RIVET JOINT	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	4 / 42.593	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 42.593
Secondary Distribution - Air Force Active	- / -	- / -	4 / 42.593	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	4 / 44.553	- / -	4 / 44.553	- / -	- / -	- / -	- / -	- / -	4 / 44.553
Secondary Distribution - Air Force Active	- / -	- / -	- / -	4 / 44.553	- / -	4 / 44.553	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	4 / 45.030	- / -	- / -	- / -	- / -	4 / 45.030
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	4 / 45.030	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 46.201	- / -	- / -	- / -	4 / 46.201
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 46.201	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 47.496	- / -	- / -	4 / 47.496
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 47.496	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 47.782	- / -	4 / 47.782
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 47.782	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	4 / 42.593	4 / 44.553	- / -	4 / 44.553	4 / 45.030	4 / 46.201	4 / 47.496	4 / 47.782	- / -	24 / 273.655
Secondary Distribution - Air Force Active	- / -	- / -	4 / 42.593	4 / 44.553	- / -	4 / 44.553	4 / 45.030	4 / 46.201	4 / 47.496	4 / 47.782	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** DARP01 - RC-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 4263 - RIVET JOINT
Models of Systems Affected: RC-135V/W & TC-135W	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305207F

Installation: RIVET JOINT	Method of Implementation: Depot	Installation Name:

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	0	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	28
Out	0	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9	28

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** DARP01 - RC-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 4265 - COMBAT SENT
Models of Systems Affected: RC-135U	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305207F

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)*	-	10.096	10.268	10.444	-	10.444	10.641	10.333	10.328	10.326	-	72.436
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	10.096	10.268	10.444	-	10.444	10.641	10.333	10.328	10.326	-	72.436
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**10.096**	**10.268**	**10.444**	**-**	**10.444**	**10.641**	**10.333**	**10.328**	**10.326**	**-**	**72.436**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Procures and installs various classified modifications for two RC-135U COMBAT SENT aircraft. Due to the rapidly changing threat environment and technological advances of our adversaries, the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander requirements.

The RC-135U COMBAT SENT program (DARP/Manned Reconnaissance Systems) is managed as an incremental baseline upgrade acquisition strategy in order to maintain relevancy to evolving and emerging adversarial threats such as the proliferation of networked communications for terrorists and/or insurgents world-wide. The BIG SAFARI Baseline Upgrade Strategy requires purchase agreements for long lead items that take appoximately 12 months from contract award to delivery. Items contracted for purchase and integration in a given Baseline upgrade are bought in the first year of the procurement funding cycle and are installed in the next year. This acquisition strategy has been successful in maintaining critical combat capability in the ISR arena over the last 30+ years.

FY 2014 procurement funding initiatives will concentrate efforts on the COMBAT SENT's Baseline 5 configuration. Baseline 5 subsystem upgrades consist of, but are not limited to, Wideband Global Satellite (WGS) reachback connectivity, precision ELINT systems (CORVUS & DSS) replacement, liquid cooling system, super wideband receiver, airborne tracking system, and integration of the RIVET JOINT Baseline 11 COMINT suite.

Funding for this exhibit contained in PE 0305207F.

Milestone/Development Status

FY 2013 aircraft, sensor systems, and associated ground support system development efforts for the two fielded Baseline 4 configured RC-135U COMBAT SENT led to the modifications plans initiated in FY 2014 to include the procurement, integration, fielding and logistical support for the Baseline 5 configuration upgrades to the RC-135U COMBAT SENT aircraft.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** DARP01 - RC-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 4265 - COMBAT SENT
Models of Systems Affected: RC-135U	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305207F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** DARP01 - RC-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 4265 - COMBAT SENT
Models of Systems Affected: RC-135U	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305207F

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												
COMBAT SENT												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	1 / 3.247	1 / 3.300	1 / 3.323	- / -	1 / 3.323	1 / 3.242	1 / 3.090	1 / 3.118	1 / 3.114	- / -	7 / 22.434
Subtotal Recurring	*0 / 0.000*	*1 / 3.247*	*1 / 3.300*	*1 / 3.323*	*- / -*	*1 / 3.323*	*1 / 3.242*	*1 / 3.090*	*1 / 3.118*	*1 / 3.114*	*- / -*	*7 / 22.434*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	1 / 1.784	1 / 1.849	1 / 2.045	- / -	1 / 2.045	1 / 2.196	1 / 2.062	1 / 2.058	1 / 2.127	- / -	7 / 14.121
Subtotal Recurring	*0 / 0.000*	*1 / 1.784*	*1 / 1.849*	*1 / 2.045*	*- / -*	*1 / 2.045*	*1 / 2.196*	*1 / 2.062*	*1 / 2.058*	*1 / 2.127*	*- / -*	*7 / 14.121*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Secondary Distribution												
AF	0 / 0.000	1 / 10.096	1 / 5.149	1 / 5.368	- / -	1 / 5.368	1 / 5.438	1 / 5.152	1 / 5.176	1 / 5.241	- / -	- / -
Total, COMBAT SENT	*0 / 0.000*	*1 / 5.031*	*1 / 5.149*	*1 / 5.368*	*- / -*	*1 / 5.368*	*1 / 5.438*	*1 / 5.152*	*1 / 5.176*	*1 / 5.241*	*- / -*	*7 / 36.555*
Total Procurement, All Modifications	*0 / 0.000*	*1 / 5.031*	*1 / 5.149*	*1 / 5.368*	*- / -*	*1 / 5.368*	*1 / 5.438*	*1 / 5.152*	*1 / 5.176*	*1 / 5.241*	*- / -*	*7 / 36.555*
Support												
Install Spares	0 / 0.000	- / 5.065	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.065
Total Support, All Modifications	*0.000*	*5.065*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*5.065*
Total Procurement and Support	*0.000*	*10.096*	*5.149*	*5.368*	*-*	*5.368*	*5.438*	*5.152*	*5.176*	*5.241*	*-*	*41.620*
COMBAT SENT Installation Cost	0 / 0.000	- / -	1 / 5.119	1 / 5.076	- / -	1 / 5.076	1 / 5.203	1 / 5.181	1 / 5.152	1 / 5.085	1 / -	7 / 30.816
Total Installation Cost	*0 / 0.000*	*- / -*	*1 / 5.119*	*1 / 5.076*	*- / -*	*1 / 5.076*	*1 / 5.203*	*1 / 5.181*	*1 / 5.152*	*1 / 5.085*	*1 / -*	*7 / 30.816*
Total Cost (Procurement + Support + Installation)	**0.000**	**10.096**	**10.268**	**10.444**	**-**	**10.444**	**10.641**	**10.333**	**10.328**	**10.326**	**-**	**72.436**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** DARP01 - RC-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 4265 - COMBAT SENT
Models of Systems Affected: RC-135U	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305207F

Manufacturer Information: COMBAT SENT

Manufacturer Name: Unknown	Manufacturer Location: Unknown
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 18

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	Jun 2013	Jun 2014	Jun 2015	Jun 2016	Jun 2017	Jun 2018	Jun 2019

Installation: COMBAT SENT	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	1 / 5.119	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.119
Secondary Distribution - Air Force Active	- / -	- / -	1 / 5.119	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	1 / 5.076	- / -	1 / 5.076	- / -	- / -	- / -	- / -	- / -	1 / 5.076
Secondary Distribution - Air Force Active	- / -	- / -	- / -	1 / 5.076	- / -	1 / 5.076	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.203	- / -	- / -	- / -	- / -	1 / 5.203
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.203	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.181	- / -	- / -	- / -	1 / 5.181
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.181	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.152	- / -	- / -	1 / 5.152
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.152	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.085	- / -	1 / 5.085
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.085	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	1 / 5.119	1 / 5.076	- / -	1 / 5.076	1 / 5.203	1 / 5.181	1 / 5.152	1 / 5.085	- / -	6 / 30.816
Secondary Distribution - Air Force Active	- / -	- / -	1 / 5.119	1 / 5.076	- / -	1 / 5.076	1 / 5.203	1 / 5.181	1 / 5.152	1 / 5.085	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** DARP01 - RC-135	**Modification Nomenclature (*Modification Number - Modification Title*):** 4265 - COMBAT SENT
Models of Systems Affected: RC-135U	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305207F

Installation: COMBAT SENT	Method of Implementation: Depot	Installation Name:

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	0	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	7
Out	0	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	2	7

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00300 - E-3

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0207417F, 0809731F

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)*	609.756	134.795	193.099	197.087	-	197.087	196.407	262.762	302.951	240.662	76.048	2,213.567
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	609.756	134.795	193.099	197.087	-	197.087	196.407	262.762	302.951	240.662	76.048	2,213.567
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**609.756**	**134.795**	**193.099**	**197.087**	**-**	**197.087**	**196.407**	**262.762**	**302.951**	**240.662**	**76.048**	**2,213.567**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	6.519	3.749	17.498	13.587	-	13.587	23.450	16.101	13.920	14.170	-	108.994
Flyaway Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Totals include funding for Airborne Warning and Control System (AWACS) Upgrade (for the Block 40/45 Upgrade).

This line item funds modifications and resolves Diminishing Manufacturing Sources (DMS) issues for the overall E-3 weapon system to include aircraft, simulators, and training devices. The four-engine E-3 is a modified Boeing 707 airframe which carries airborne radar and provides all-altitude air surveillance, threat warning, and control of theater air forces. The primary modification budgeted in FY14 is the Block 40/45 Upgrade. Other modifications budgeted and programmed are listed below.

There are a total of 31 operational aircraft in the inventory.

The E-3's (produced from 1971 to 1984) have a service life objective of 40,000 flight hours (revised based on results of Durability and Damage Tolerance Assessment update task in 2011). As of 1 July 2012, the current fleet averaged 24,116 hours, 7,513 landings, approximately 3323 pressurization cycles, and the high time aircraft had 27,317 hours. The Air Force uses an Aircraft Structural Integrity Program (ASIP) to monitor safety based on actual usage.

Funding for this exhibit contained in PE 0207417F and PE 0809731F.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
E00300 - E-3

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207417F, 0809731F

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
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	134.795	193.099	197.087	-	197.087	196.407	262.762	302.951	240.662

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
TSI	P40A		-	-	4.347	-	-	2.940	-	-	2.981	-	-	3.345	-	-	-	-	-	3.345
INTEGRATED DAMA GATM	P40A		-	-	130.057	-	-	0.266	-	-	-	-	-	-	-	-	-	-	-	-
AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	P40A		-	-	4.916	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
RM&A MODS	P40A		-	-	155.593	-	-	2.957	-	-	0.839	-	-	2.297	-	-	-	-	-	2.297
GATM Phase II	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERTICAL STABILIZER AND RUDDER	P40A		-	-	0.000	-	-	-	-	-	0.649	-	-	0.632	-	-	-	-	-	0.632
ELECTRONIC PROTECTION	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOW COST MOD - AIRFRAME	P40A		-	-	0.000	-	-	-	-	-	0.100	-	-	0.043	-	-	-	-	-	0.043
LOW COST MOD - AVIONICS & MISSION SYSTEMS	P40A		-	-	0.000	-	-	-	-	-	0.100	-	-	0.042	-	-	-	-	-	0.042
1 - BLOCK 40/45 UPGRADE	P3A		-	-	306.292	-	-	110.491	-	-	172.839	-	-	168.911	-	-	-	-	-	168.911
7225 - NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)	P3A		-	-	8.551	-	-	18.141	-	-	15.591	-	-	21.717	-	-	-	-	-	21.717
Total Gross/Weapon System Cost					**609.756**			**134.795**			**193.099**			**197.087**			**-**			**197.087**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
TSI	P40A		-	-	3.336	-	-	1.717	-	-	2.382	-	-	2.602	-	-	-	-	-	23.650
INTEGRATED DAMA GATM	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130.323
AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	P40A		-	-	0.614	-	-	0.698	-	-	0.705	-	-	0.718	-	-	-	-	-	7.751
RM&A MODS	P40A		-	-	2.229	-	-	0.825	-	-	0.600	-	-	0.251	-	-	-	-	-	165.591
GATM Phase II	P40A		-	-	-	-	-	60.794	-	-	75.275	-	-	76.665	-	-	29.788	-	-	242.522

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
E00300 - E-3

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207417F, 0809731F

MDAP/MAIS Code(s):

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
VERTICAL STABILIZER AND RUDDER	P40A		-	-	0.575	-	-	0.681	-	-	0.442	-	-	0.140	-	-	-	-	-	3.119
ELECTRONIC PROTECTION	P40A		-	-	-	-	-	-	-	-	19.932	-	-	19.581	-	-	-	-	-	39.513
LOW COST MOD - AIRFRAME	P40A		-	-	0.100	-	-	0.100	-	-	0.100	-	-	0.031	-	-	-	-	-	0.474
LOW COST MOD - AVIONICS & MISSION SYSTEMS	P40A		-	-	0.100	-	-	0.100	-	-	0.100	-	-	0.031	-	-	-	-	-	0.473
1 - BLOCK 40/45 UPGRADE	P3A		-	-	173.251	-	-	197.847	-	-	203.415	-	-	140.643	-	-	46.260	-	-	1,519.949
7225 - NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)	P3A		-	-	16.202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80.202
Total Gross/Weapon System Cost					**196.407**			**262.762**			**302.951**			**240.662**			**76.048**			**2,213.567**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00300 - E-3	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - BLOCK 40/45 UPGRADE
Models of Systems Affected: E-3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207417F

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)*	306.292	110.491	172.839	168.911	-	168.911	173.251	197.847	203.415	140.643	46.260	1,519.949
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	306.292	110.491	172.839	168.911	-	168.911	173.251	197.847	203.415	140.643	46.260	1,519.949
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**306.292**	**110.491**	**172.839**	**168.911**	**-**	**168.911**	**173.251**	**197.847**	**203.415**	**140.643**	**46.260**	**1,519.949**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	6.519	3.579	7.787	7.604	-	7.604	15.501	9.101	2.843	-	-	52.934
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 modification upgrades Command and Control (C2) systems to include the E-3 legacy mission systems computers, display processors and displays. Without this modification, the E-3's ability to fully support airspace control and Air Force battle management missions is severely restricted. The additional enhancements to the Mission Computing System of the AWACS provides an open computing architecture enabling rapid, low cost delivery of plug-and-play capability; data fusion (of both off-board and on-board sensor data) with Multi-Source Integration (MSI) for an improved picture of the battlespace and identification; Data Link Infrastructure (DLI) which supports a distributed system architecture and rapid changes to Tactical Digital Information Link (TADIL)-J message formats and protocols; and improved electronic support measures processing.

The Block 40/45 program plans for multi-year advanced buys of Commercial Off The Shelf (COTS) equipment due to the short life-cycles in high tech components starting in FY13. The program will buy FY13, FY14, and FY15 COTS equipment in FY13; and buy FY16, FY17, and FY18 COTS equipment in FY16 including initial spares. Equipment non-recurring Group B includes efforts for Tech Refresh, Active DMS, and Software Releases.

There are a total of 31 E-3 operational aircraft. The Low Rate Initial Production was approved for six (6) aircraft in Nov 2008 (one (1) buy in FY09, two (2) buys in FY10, and three (3) buys in FY12). The Block 40/45 Full Rate Production was approved for the the remaining twenty five (25) aircraft in Nov 2012 and the production contract was awarded on 27 Dec 2012. The program's two key objective/threshold Acquisition Program Baseline (APB) dates are: Required Assets Available (RAA) for five 40/45 aircraft (Apr 2014 - Oct 2014) and Full Operational Capability (FOC) RAA (Sep 2020 - Feb 2021).

This modification will also be installed on multiple trainers and ground systems. The development of these trainer sets, the Mission Crew Training Set (MCTS) and Mission Computing Maintenance Trainer (MCMT), began in FY11 and each type will be delivered to the user in early FY14. An additional five (5) MCTS systems, one (1) desktop training system, and an airborne training software package will be procured and delivered to the user by FY18. Additionally, under the MCMT contract line item, the program developed ground systems for the user. These ground systems consist of stationary ground stations (115 systems) at Tinker, Elmendorf and Kadena locations and ten (10) deployable ground systems for use when the aircraft deploys to locations other than Kadena and Elmendorf.

In FY13, the program office began Hardware Depot Activation to comply with SORAP 09-063 that mandates organic hardware and software maintenance. The Hardware Depot Activation funding is necessary to procure the required resources (test equipment, modules, training, repair documentation, etc.) to support the E-3G at the Oklahoma City Air Logistics Complex, OK. The 3010 funding also supports stand-up

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00300 - E-3	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - BLOCK 40/45 UPGRADE
Models of Systems Affected: E-3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207417F

of the Depot facility at the Warner Robins Air Logistics Complex, GA, for repairs of selected units and the stand-up of the Avionics Integration Support Facility (AISF) for mission computing software maintenance activities.

This modification has related RDT&E funding in PE 0207417F.

Milestone/Development Status

11/08 - Completed Aircraft Block 40/45 Development (Milestone C/LRIP)
01/11 - Began development of MCTS
03/11 - Began development of MCMT
08/11 - Completed Aircraft Block 40/45 Pre-Production

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00300 - E-3	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - BLOCK 40/45 UPGRADE
Models of Systems Affected: E-3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207417F

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)*
RDT&E PE #												
0207417F	0 / 205.134	- / 19.562	- / 5.734	- / 27.857	- / -	- / 27.857	- / -	- / -	- / -	- / -	- / -	- / 258.287
Procurement												
BLOCK 40/45 UPGRADE												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	8 / 79.987	3 / 27.029	2 / 17.970	4 / 35.848	- / -	4 / 35.848	5 / 44.130	3 / 28.472	5 / 47.048	1 / 26.435	- / -	31 / 306.919
Subtotal Recurring	*8 / 79.987*	*3 / 27.029*	*2 / 17.970*	*4 / 35.848*	*- / -*	*4 / 35.848*	*5 / 44.130*	*3 / 28.472*	*5 / 47.048*	*1 / 26.435*	*- / -*	*31 / 306.919*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 7.051	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.051
Subtotal Non-Recurring	*0 / 7.051*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 7.051*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	8 / 70.648	3 / 22.415	2 / 14.002	4 / 26.013	- / -	4 / 26.013	5 / 30.530	3 / 49.224	5 / 24.748	1 / 17.118	- / -	31 / 254.698
Subtotal Recurring	*8 / 70.648*	*3 / 22.415*	*2 / 14.002*	*4 / 26.013*	*- / -*	*4 / 26.013*	*5 / 30.530*	*3 / 49.224*	*5 / 24.748*	*1 / 17.118*	*- / -*	*31 / 254.698*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 29.930	- / -	- / 40.871	- / 16.578	- / -	- / 16.578	- / 5.182	- / 38.528	- / 25.938	- / 46.038	- / 2.124	- / 205.189
Subtotal Non-Recurring	*0 / 29.930*	*- / -*	*- / 40.871*	*- / 16.578*	*- / -*	*- / 16.578*	*- / 5.182*	*- / 38.528*	*- / 25.938*	*- / 46.038*	*- / 2.124*	*- / 205.189*
Secondary Distribution												
AF	8 / 255.581	3 / 68.969	2 / 122.897	4 / 121.826	- / -	4 / 121.826	5 / 131.414	3 / 146.022	5 / 163.931	1 / 101.324	- / -	- / -
Total, BLOCK 40/45 UPGRADE	*8 / 187.616*	*3 / 49.444*	*2 / 72.843*	*4 / 78.439*	*- / -*	*4 / 78.439*	*5 / 79.842*	*3 / 116.224*	*5 / 97.734*	*1 / 89.591*	*- / 2.124*	*31 / 773.857*
Total Procurement, All Modifications	*8 / 187.616*	*3 / 49.444*	*2 / 72.843*	*4 / 78.439*	*- / -*	*4 / 78.439*	*5 / 79.842*	*3 / 116.224*	*5 / 97.734*	*1 / 89.591*	*- / 2.124*	*31 / 773.857*
Support												
CHANGE ORDERS	0 / 0.000	- / -	- / -	- / 0.900	- / -	- / 0.900	- / 0.200	- / 0.400	- / 7.725	- / 0.502	- / 0.499	- / 10.226
DATA	0 / 2.583	- / -	- / 1.380	- / 0.525	- / -	- / 0.525	- / 0.534	- / 0.546	- / 0.554	- / 0.564	- / 0.574	- / 7.260
SIM/TRAINER	0 / 4.084	- / 4.520	- / 3.936	2 / 19.715	- / -	2 / 19.715	- / 1.165	- / 8.686	4 / 40.705	- / 0.193	- / 0.197	6 / 83.201
SUPPORT- EQUIP	0 / 13.109	- / 2.120	- / 17.127	- / 1.239	- / -	- / 1.239	- / 19.573	- / 7.976	- / 0.657	- / -	- / -	- / 61.801
ICS-Labor	0 / 9.483	- / -	- / 15.766	- / 10.862	- / -	- / 10.862	- / 17.031	- / -	- / 8.022	- / 2.646	- / 0.898	- / 64.708
OTHER GOVT	0 / 13.834	- / 3.168	- / 1.528	- / 3.043	- / -	- / 3.043	- / 4.703	- / 4.511	- / 3.249	- / 3.310	- / 4.665	- / 42.011
GFE	0 / 1.161	- / 0.250	- / 0.509	- / 0.701	- / -	- / 0.701	- / 0.523	- / 0.870	- / 0.524	- / 0.261	- / -	- / 4.799
PMA	0 / 8.795	- / 2.360	- / 1.806	- / 1.757	- / -	- / 1.757	- / 1.784	- / 1.520	- / 1.352	- / 1.175	- / 0.700	- / 21.249

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00300 - E-3	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - BLOCK 40/45 UPGRADE
Models of Systems Affected: E-3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207417F

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)*
PMA - Contractor Services	0 / 0.000	- / 4.993	- / 7.302	- / 4.645	- / -	- / 4.645	- / 4.357	- / 4.170	- / 3.409	- / 3.082	- / 2.805	- / 34.763
FLIGHT TEST	0 / 14.916	- / 2.114	- / 0.700	- / -	- / -	- / -	- / 1.702	- / 1.119	- / -	- / -	- / -	- / 20.551
Total Support, All Modifications	*67.965*	*19.525*	*50.054*	*43.387*	*-*	*43.387*	*51.572*	*29.798*	*66.197*	*11.733*	*10.338*	*350.569*
Total Procurement and Support	*255.581*	*68.969*	*122.897*	*121.826*	*-*	*121.826*	*131.414*	*146.022*	*163.931*	*101.324*	*12.462*	*1,124.426*
BLOCK 40/45 UPGRADE Installation Cost	2 / 50.711	2 / 41.522	2 / 49.942	4 / 47.085	- / -	4 / 47.085	5 / 41.837	6 / 51.825	3 / 39.484	3 / 39.319	4 / 33.798	31 / 395.523
Total Installation Cost	*2 / 50.711*	*2 / 41.522*	*2 / 49.942*	*4 / 47.085*	*- / -*	*4 / 47.085*	*5 / 41.837*	*6 / 51.825*	*3 / 39.484*	*3 / 39.319*	*4 / 33.798*	*31 / 395.523*
Total Cost (Procurement + Support + Installation)	**306.292**	**110.491**	**172.839**	**168.911**	**-**	**168.911**	**173.251**	**197.847**	**203.415**	**140.643**	**46.260**	**1,519.949**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00300 - E-3	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - BLOCK 40/45 UPGRADE
Models of Systems Affected: E-3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207417F

Manufacturer Information: BLOCK 40/45 UPGRADE

Manufacturer Name: Unknown	Manufacturer Location: Unknown
Administrative Leadtime *(in Months)*: 18	Production Leadtime *(in Months)*: 18

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

Installation: BLOCK 40/45 UPGRADE	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	2 / 50.711	2 / 41.522	2 / 49.942	2 / 24.013	- / -	2 / 24.013	- / -	- / -	- / -	- / -	0 / 0.000	8 / 166.188
Secondary Distribution - Air Force Active	2 / 50.711	2 / 41.522	2 / 49.942	2 / 24.013	- / -	2 / 24.013	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	2 / 23.072	- / -	2 / 23.072	1 / 9.204	- / -	- / -	- / -	- / -	3 / 32.276
Secondary Distribution - Air Force Active	- / -	- / -	- / -	2 / 23.072	- / -	2 / 23.072	1 / 9.204	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	2 / 16.316	- / -	- / -	- / -	- / -	2 / 16.316
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	2 / 16.316	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	2 / 16.317	2 / 22.803	- / -	- / -	- / -	4 / 39.120
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	2 / 16.317	2 / 22.803	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 29.022	1 / 13.425	- / -	- / -	5 / 42.447
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 29.022	1 / 13.425	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 26.059	1 / 13.368	- / -	3 / 39.427
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 26.059	1 / 13.368	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 25.951	3 / 25.686	5 / 51.637
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 25.951	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 8.112	1 / 8.112
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 50.711	2 / 41.522	2 / 49.942	4 / 47.085	- / -	4 / 47.085	5 / 41.837	6 / 51.825	3 / 39.484	3 / 39.319	4 / 33.798	31 / 395.523
Secondary Distribution - Air Force Active	2 / 50.711	2 / 41.522	2 / 49.942	4 / 47.085	- / -	4 / 47.085	5 / 41.837	6 / 51.825	3 / 39.484	3 / 39.319	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00300 - E-3	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - BLOCK 40/45 UPGRADE
Models of Systems Affected: E-3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207417F

Installation: BLOCK 40/45 UPGRADE	Method of Implementation: Depot	Installation Name:

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	2	-	1	-	1	-	-	1	1	-	-	2	2	1	1	1	2	1	2	1	2	-	1	1	1	-	1	1	1	4	31
Out	1	-	1	-	-	1	-	1	-	1	-	1	-	1	1	2	1	1	3	-	2	-	2	2	1	-	1	1	1	6	31

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00300 - E-3	**Modification Nomenclature (*Modification Number - Modification Title*):** 7225 - NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)
Models of Systems Affected: E-3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207417F

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)*	8.551	18.141	15.591	21.717	-	21.717	16.202	-	-	-	-	80.202
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	8.551	18.141	15.591	21.717	-	21.717	16.202	-	-	-	-	80.202
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**8.551**	**18.141**	**15.591**	**21.717**	**-**	**21.717**	**16.202**	**-**	**-**	**-**	**-**	**80.202**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	9.334	4.318	-	4.318	7.482	-	-	-	-	21.134
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 NGIFF program funds acquisition and retrofit of the E-3 AWACS IFF capability. NSA declared IFF Mode 4 unsecure and obsolete on 5 Nov 2003. Joint Requirements Oversight Council Memo 047-07 requires IFF Mode 5 interrogation capability by FY14.

The NGIFF program provides AWACS with enhanced IFF interrogator operation to add a more secure Mode 5 capability. This program develops and integrates a basic Mode 5 capability on Block 30/35 which started in FY08 and full Mode 5 on Block 40/45 which started in FY11. Hardware will be common between the two platforms, allowing production contract to begin in FY12 after development of the 30/35 capability. Block 30/35 installation starts in FY14. Funding through FY15 covers 31 Operational aircraft kit buys, including retrofits in FY15 of 4 units purchased for EMD, and installs are done at the Organizational/Intermediate level. The program intends to accelerate aircraft kit buys from FY15 to FY14.

This modification has related RDT&E funding in PE 0207417F.

Milestone/Development Status

EMD started in FY09.
02/09 - Block 30/35 EMD Contract Awarded
10/10 - Block 30/35 Development/Operational Test and Evaluation
10/10 - Block 40/45 EMD Contract Awarded

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00300 - E-3	**Modification Nomenclature (*Modification Number - Modification Title*):** 7225 - NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)
Models of Systems Affected: E-3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207417F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00300 - E-3	**Modification Nomenclature (*Modification Number - Modification Title*):** 7225 - NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)
Models of Systems Affected: E-3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207417F

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)*
RDT&E PE #												
0207417F	0 / 58.531	- / 31.555	- / 7.799	- / 20.000	- / -	- / 20.000	- / -	- / -	- / -	- / -	- / -	- / 117.885
Procurement												
NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	4 / 0.348	7 / 0.618	9 / 0.808	- / -	9 / 0.808	11 / 1.001	- / -	- / -	- / -	- / -	31 / 2.775
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
INSTALL KITS Group A (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*0 / 0.000*	*4 / 0.348*	*7 / 0.618*	*9 / 0.808*	*- / -*	*9 / 0.808*	*11 / 1.001*	*- / -*	*- / -*	*- / -*	*- / -*	*31 / 2.775*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	4 / 8.943	7 / 12.369	9 / 15.880	- / -	9 / 15.880	11 / 11.461	- / -	- / -	- / -	- / -	31 / 48.653
Subtotal Recurring	*0 / 0.000*	*4 / 8.943*	*7 / 12.369*	*9 / 15.880*	*- / -*	*9 / 15.880*	*11 / 11.461*	*- / -*	*- / -*	*- / -*	*- / -*	*31 / 48.653*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	- / 7.065	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.065
Subtotal Non-Recurring	*0 / 0.000*	*- / 7.065*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 7.065*
Secondary Distribution												
AF	0 / 8.551	4 / 18.141	7 / 15.591	9 / 21.717	- / -	9 / 21.717	11 / 16.202	- / -	- / -	- / -	- / -	- / -
Total, NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)	*0 / 0.000*	*4 / 16.356*	*7 / 12.987*	*9 / 16.688*	*- / -*	*9 / 16.688*	*11 / 12.462*	*- / -*	*- / -*	*- / -*	*- / -*	*31 / 58.493*
Total Procurement, All Modifications	*0 / 0.000*	*4 / 16.356*	*7 / 12.987*	*9 / 16.688*	*- / -*	*9 / 16.688*	*11 / 12.462*	*- / -*	*- / -*	*- / -*	*- / -*	*31 / 58.493*
Support												
CHANGE ORDERS	0 / 0.000	- / 0.689	- / 1.113	- / 1.977	- / -	- / 1.977	- / 1.784	- / -	- / -	- / -	- / -	- / 5.563
DATA	0 / 0.000	- / -	- / -	- / 0.712	- / -	- / 0.712	- / 0.140	- / -	- / -	- / -	- / -	- / 0.852
SUPPORT- EQUIP	0 / 8.551	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.551
ICS-Labor	0 / 0.000	- / -	- / -	- / 1.066	- / -	- / 1.066	- / 0.542	- / -	- / -	- / -	- / -	- / 1.608
PMA - Other Gov't Costs	0 / 0.000	- / 0.075	- / 0.150	- / 0.100	- / -	- / 0.100	- / 0.100	- / -	- / -	- / -	- / -	- / 0.425
PMA - Contractor Services	0 / 0.000	- / 1.021	- / 1.141	- / 0.787	- / -	- / 0.787	- / 0.787	- / -	- / -	- / -	- / -	- / 3.736

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00300 - E-3	**Modification Nomenclature (*Modification Number - Modification Title*):** 7225 - NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)
Models of Systems Affected: E-3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207417F

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)*
PMA	0 / 0.000	- / -	- / 0.200	- / 0.387	- / -	- / 0.387	- / 0.387	- / -	- / -	- / -	- / -	- / 0.974
Total Support, All Modifications	*8.551*	*1.785*	*2.604*	*5.029*	*-*	*5.029*	*3.740*	*-*	*-*	*-*	*-*	*21.709*
Total Procurement and Support	*8.551*	*18.141*	*15.591*	*21.717*	*-*	*21.717*	*16.202*	*-*	*-*	*-*	*-*	*80.202*
Total Installation Cost	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total Cost (Procurement + Support + Installation)	**8.551**	**18.141**	**15.591**	**21.717**	**-**	**21.717**	**16.202**	**-**	**-**	**-**	**-**	**80.202**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00300 - E-3	**Modification Nomenclature (*Modification Number - Modification Title*):** 7225 - NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)

Models of Systems Affected: E-3	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207417F

Manufacturer Information: NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)

Manufacturer Name: Unknown	Manufacturer Location: Unknown
Administrative Leadtime *(in Months)*: 21	Production Leadtime *(in Months)*: 18

Dates	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Contract Dates	Sep 2012	Dec 2012	Oct 2013	Oct 2014			
Delivery Dates	Mar 2014	Jun 2014	Apr 2015	Apr 2016			

Installation: NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)	**Method of Implementation:** Org/Intermediate	**Installation Quantity:** 0

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00400 - E-4

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0302015F, 0101316F

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)*	29.170	57.829	47.616	14.304	-	14.304	26.558	39.088	37.462	37.831	10.000	299.858
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	29.170	57.829	47.616	14.304	-	14.304	26.558	39.088	37.462	37.831	10.000	299.858
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**29.170**	**57.829**	**47.616**	**14.304**	**-**	**14.304**	**26.558**	**39.088**	**37.462**	**37.831**	**10.000**	**299.858**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	0.600	0.300	0.300	-	-	-	0.200	0.400	-	-	-	1.800
Flyaway Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 line item funds modifications to the E-4B aircraft. The four engine E-4B is a highly modified Boeing 747 Model 200 (747-200) airframe used in support of the mission of National Airborne Operations Center (NAOC). NAOC supports the national decision makers and the Joint Chiefs of Staff as a worldwide, survivable, and enduring node of the National Military Command System. There are four E-4B aircraft. The modifications listed herein serve to provide both updates to maintain Federal Aviation Agency (FAA) airframe flight worthiness certification, provide additional capabilities to the aircraft flight control, navigation and communication systems, as well as the primary mission equipment to ensure the E-4B is able to execute its various missions . These modifications are also budgeted to enhance operational capability while improving flight safety, reliability, and maintainability. The current Boeing estimated design service life of the Boeing 747-200 E-4B airframe is 115K hours and 30K cycles. This limit is estimated to be reached during 2039. However, maintenance issues leading to extended depot periods is expected to limit the ability of E-4B fleet to support the NAOC mission due to aircraft non-availability as depot period are extended to accommodate aircraft age related work. The maintenance limiting point is expected to occur during the decade beginning 2020. The age of the four E-4B aircraft fleet presents Diminishing Manufacturing Sources (DMS) issues involving primary mission equipment and to a lesser extent the airframe. Airframe DMS and availability of FAA certified parts issues are expected to grow as the world-wide population of Boeing 747-200 aircraft dwindles.

The Nuclear Planning and Execution System (NPES) is an active Nuclear Command, Control, and Communications (NC3) asset required to perform the NAOC's mission. Funding for this exhibit contained in PE 0101316F.

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

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
E00400 - E-4

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0302015F, 0101316F

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	57.829	47.616	14.304	-	14.304	26.558	39.088	37.462	37.831

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Crypto Modernization	P40A		-	-	0.000	-	-	-	-	-	4.166	-	-	3.671	-	-	-	-	-	3.671
NPES (NC2AIS) E-4B	P40A		-	-	1.317	-	-	0.663	-	-	0.675	-	-	0.686	-	-	-	-	-	0.686
Message Processing System (MPS)	P40A		-	-	11.351	-	-	6.585	-	-	2.600	-	-	-	-	-	-	-	-	-
SHF MUX UPGRADE	P40A		-	-	0.000	-	-	0.500	-	-	1.400	-	-	-	-	-	-	-	-	-
Global Summary Message	P40A		-	-	0.225	-	-	7.750	-	-	4.806	-	-	-	-	-	-	-	-	-
Secure Voice Crypto	P40A		-	-	6.711	-	-	-	-	-	2.000	-	-	-	-	-	-	-	-	-
SHF Modernization	P40A		-	-	0.000	-	-	5.934	-	-	5.925	-	-	2.000	-	-	-	-	-	2.000
AEHF Compatible Terminal/ PNVC	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AIU Modernization	P40A		-	-	0.000	-	-	31.991	-	-	13.500	-	-	-	-	-	-	-	-	-
Low Frequency Transmit System (LFTS)	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CNS/ATM(ADS-B OUT)	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CNS/ATM(ADS-B IN)	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SERVICE BULLETINS	P40A		-	-	5.618	-	-	2.498	-	-	5.479	-	-	0.657	-	-	-	-	-	0.657
LOW COST MODIFICATIONS	P40A		-	-	3.948	-	-	1.908	-	-	1.990	-	-	1.990	-	-	-	-	-	1.990
1 - E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I	P3A		-	-	-	-	-	-	-	-	5.075	-	-	5.300	-	-	-	-	-	5.300
Total Gross/Weapon System Cost					**29.170**			**57.829**			**47.616**			**14.304**			**-**			**14.304**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Crypto Modernization	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.837
NPES (NC2AIS) E-4B	P40A		-	-	0.699	-	-	0.712	-	-	0.725	-	-	0.738	-	-	-	-	-	6.215
Message Processing System (MPS)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.536
SHF MUX UPGRADE	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.900
Global Summary Message	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.781

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
E00400 - E-4

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0302015F, 0101316F

MDAP/MAIS Code(s):

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Secure Voice Crypto	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.711
SHF Modernization	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.859
AEHF Compatible Terminal/ PNVC	P40A		-	-	2.400	-	-	6.131	-	-	6.241	-	-	6.500	-	-	-	-	-	21.272
AIU Modernization	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.491
Low Frequency Transmit System (LFTS)	P40A		-	-	15.000	-	-	17.000	-	-	17.000	-	-	17.000	-	-	10.000	-	-	76.000
CNS/ATM(ADS-B OUT)	P40A		-	-	1.220	-	-	4.644	-	-	-	-	-	-	-	-	-	-	-	5.864
CNS/ATM(ADS-B IN)	P40A		-	-	-	-	-	-	-	-	4.808	-	-	-	-	-	-	-	-	4.808
SERVICE BULLETINS	P40A		-	-	0.029	-	-	8.611	-	-	6.698	-	-	11.603	-	-	-	-	-	41.193
LOW COST MODIFICATIONS	P40A		-	-	1.990	-	-	1.990	-	-	1.990	-	-	1.990	-	-	-	-	-	17.796
1 - E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I	P3A		-	-	5.220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.595
Total Gross/Weapon System Cost					**26.558**			**39.088**			**37.462**			**37.831**			**10.000**			**299.858**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00400 - E-4	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I
Models of Systems Affected: E-4B	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0302015F

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)*	-	-	5.075	5.300	-	5.300	5.220	-	-	-	-	15.595
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	5.075	5.300	-	5.300	5.220	-	-	-	-	15.595
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**5.075**	**5.300**	**-**	**5.300**	**5.220**	**-**	**-**	**-**	**-**	**15.595**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 CNS/ATM modification upgrades the air traffic communications systems to improve Navigation and Instrument Approach capabilities. These modifications are required to comply with air traffic management requirements and maintain world-wide availability. CNS/ATM requirements are addressed via incremental modification programs. The current increment will include the following modifications: A Mode 5 Identification Friend or Foe (IFF), Flight Management Computer (FMC) upgrades, and a Multi-Mode Receiver for Precision Global Positioning System (GPS.

Milestone/Development Status

Prototype retrofit kit completed using Research, Development, Test and Evaluation (RDT&E) resources. Projected completion of first aircraft in third quarter FY13.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00400 - E-4	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I
Models of Systems Affected: E-4B	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0302015F

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												
E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	1 / 1.000	1 / 1.100	- / -	1 / 1.100	1 / 1.100	- / -	- / -	- / -	- / -	3 / 3.200
Subtotal Recurring	*0 / 0.000*	*- / -*	*1 / 1.000*	*1 / 1.100*	*- / -*	*1 / 1.100*	*1 / 1.100*	*- / -*	*- / -*	*- / -*	*- / -*	*3 / 3.200*
Secondary Distribution												
AF	0 / 0.000	- / -	1 / 1.125	1 / 1.250	- / -	1 / 1.250	1 / 1.170	- / -	- / -	- / -	- / -	- / -
Total, E-4B COMMUNICATION NAVIGATION SURVEILLANCE/ AIR TRAFFIC MANAGEMENT I	*0 / 0.000*	*- / -*	*1 / 1.000*	*1 / 1.100*	*- / -*	*1 / 1.100*	*1 / 1.100*	*- / -*	*- / -*	*- / -*	*- / -*	*3 / 3.200*
Total Procurement, All Modifications	*0 / 0.000*	*- / -*	*1 / 1.000*	*1 / 1.100*	*- / -*	*1 / 1.100*	*1 / 1.100*	*- / -*	*- / -*	*- / -*	*- / -*	*3 / 3.200*
Support												
DATA	0 / 0.000	- / -	- / 0.100	- / 0.125	- / -	- / 0.125	- / 0.050	- / -	- / -	- / -	- / -	- / 0.275
PMA	0 / 0.000	- / -	- / 0.025	- / 0.025	- / -	- / 0.025	- / 0.020	- / -	- / -	- / -	- / -	- / 0.070
Total Support, All Modifications	*0.000*	*-*	*0.125*	*0.150*	*-*	*0.150*	*0.070*	*-*	*-*	*-*	*-*	*0.345*
Total Procurement and Support	*0.000*	*-*	*1.125*	*1.250*	*-*	*1.250*	*1.170*	*-*	*-*	*-*	*-*	*3.545*
E-4B COMMUNICATION NAVIGATION SURVEILLANCE/ AIR TRAFFIC MANAGEMENT I Installation Cost	0 / 0.000	- / -	1 / 3.950	1 / 4.050	- / -	1 / 4.050	1 / 4.050	- / -	- / -	- / -	- / -	3 / 12.050
Total Installation Cost	*0 / 0.000*	*- / -*	*1 / 3.950*	*1 / 4.050*	*- / -*	*1 / 4.050*	*1 / 4.050*	*- / -*	*- / -*	*- / -*	*- / -*	*3 / 12.050*
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**5.075**	**5.300**	**-**	**5.300**	**5.220**	**-**	**-**	**-**	**-**	**15.595**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00400 - E-4	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I
Models of Systems Affected: E-4B	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0302015F

Manufacturer Information: E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I

Manufacturer Name: Boeing	Manufacturer Location: Wichita, KS
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 6

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

Installation: E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I	**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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	1 / 3.950	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.950
Secondary Distribution - Air Force Active	- / -	- / -	1 / 3.950	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	1 / 4.050	- / -	1 / 4.050	- / -	- / -	- / -	- / -	- / -	1 / 4.050
Secondary Distribution - Air Force Active	- / -	- / -	- / -	1 / 4.050	- / -	1 / 4.050	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.050	- / -	- / -	- / -	- / -	1 / 4.050
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.050	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	1 / 3.950	1 / 4.050	- / -	1 / 4.050	1 / 4.050	- / -	- / -	- / -	- / -	3 / 12.050
Secondary Distribution - Air Force Active	- / -	- / -	1 / 3.950	1 / 4.050	- / -	1 / 4.050	1 / 4.050	- / -	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00400 - E-4	**Modification Nomenclature (*Modification Number - Modification Title*):** 1 - E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I
Models of Systems Affected: E-4B	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0302015F

Installation: E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I	Method of Implementation: Depot	Installation Name:

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	0	-	-	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Out	0	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00800 - E-8

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207581F

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)*	350.500	22.558	59.320	57.472	-	57.472	29.757	1.455	0.805	-	-	521.867
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	350.500	22.558	59.320	57.472	-	57.472	29.757	1.455	0.805	-	-	521.867
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**350.500**	**22.558**	**59.320**	**57.472**	**-**	**57.472**	**29.757**	**1.455**	**0.805**	**-**	**-**	**521.867**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	2.726	14.311	4.035	2.965	-	2.965	3.569	3.321	-	-	-	30.927
Flyaway Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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

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

Description:

This line item funds modifications to the E-8C aircraft. The E-8C is a modified Boeing 707-300 airframe that performs the Joint Surveillance and Target Attack Radar System (JSTARS) mission. The JSTARS was developed for ground surveillance, targeting, and battle management.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	12.544	38.768	12.725	-	12.725	11.415	1.455	0.805	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	10.014	20.552	44.747	-	44.747	18.342	-	-	-

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
JSTARS Re-engining	P40A		-	-	154.114	-	-	7.198	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
E00800 - E-8

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207581F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
RELIABILITY, MAINTAINABILITY, AVAILABILITY (RMA) and FLEET RETROFIT MODS	P40A		-	-	40.488	-	-	0.025	-	-	-	-	-	0.100	-	-	-	-	-	0.100
KILL CHAIN ENHANCEMENT MODIFICATIONS	P40A		-	-	109.207	-	-	1.970	-	-	0.957	-	-	0.106	-	-	-	-	-	0.106
JTRS INTEGRATION	P40A		-	-	0.000	-	-	12.237	-	-	2.304	-	-	-	-	-	-	-	-	-
Enhanced Land Maritime Mode (ELMM)	P40A		-	-	46.691	-	-	0.745	-	-	0.024	-	-	-	-	-	-	-	-	-
38198 - Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)	P3A		-	-	-	-	-	0.383	-	-	56.035	-	-	57.266	-	-	-	-	-	57.266
Total Gross/Weapon System Cost					**350.500**			**22.558**			**59.320**			**57.472**			**-**			**57.472**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
JSTARS Re-engining	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	161.312
RELIABILITY, MAINTAINABILITY, AVAILABILITY (RMA) and FLEET RETROFIT MODS	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.613
KILL CHAIN ENHANCEMENT MODIFICATIONS	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112.240
JTRS INTEGRATION	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.541
Enhanced Land Maritime Mode (ELMM)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47.460
38198 - Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)	P3A		-	-	29.757	-	-	1.455	-	-	0.805	-	-	-	-	-	-	-	-	145.701
Total Gross/Weapon System Cost					**29.757**			**1.455**			**0.805**			**-**			**-**			**521.867**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00800 - E-8	**Modification Nomenclature (*Modification Number - Modification Title*):** 38198 - Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)
Models of Systems Affected: E-8C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207581F

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)*	-	0.383	56.035	57.266	-	57.266	29.757	1.455	0.805	-	-	145.701
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	0.383	56.035	57.266	-	57.266	29.757	1.455	0.805	-	-	145.701
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**0.383**	**56.035**	**57.266**	**-**	**57.266**	**29.757**	**1.455**	**0.805**	**-**	**-**	**145.701**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	3.422	1.281	-	1.281	1.896	1.726	-	-	-	8.325
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Prime Mission Equipment (PME) Diminishing Manufacturing Sources (DMS) is a top issue for fleet viability. PME is required for Joint STARS to maintain net-centric war fighter capabilities - Ground Moving Target Indicator (GMTI) and Battle Management Command and Control (BMC2) as specified in the Operational Requirements Document (ORD).

The last major modification to the mission computing hardware took place during the Computer Replacement Program (CRP) from 1997-2005. The program has maximized 3rd party vendors and aftermarket suppliers for the last eight years without any additional funded major technology refreshes. Parts obsolescence stemming from an overdue technology refresh (20+ year old COTS equipment) requires a major modification to maintain the existing processing capabilities and specification compliance. Modification will address hardware and software DMS issues and COTS technology refresh for the for Operator Work Station (OWS), the Central Computing subsystem, and the Radar Airborne Signal Processor (RASP) subsystem.

Modifications will also include but are not limited to mission and maintenance crew trainers, software maintenance, and support systems at Robins AFB.

The installation schedule is based on the Program Depot Maintenance (PDM) program. The PDM schedule is on fixed periodic timeframes, however, the duration of the PDMs and platform availability are impacted by real world events.

Funding for this exhibit contained in PE 0207581F

There are a total of 16 operational aircraft to be modified with procurement funds. The pilot trainer aircraft does not carry the standard mission equipment, so it does not require this modification. The test aircraft, T-3, is modified with RDT&E funds.

Milestone/Development Status

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00800 - E-8	**Modification Nomenclature (*Modification Number - Modification Title*):** 38198 - Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)

Models of Systems Affected: E-8C	Type Modification: Capability Improvement	Related RDT&E PEs: 0207581F

The System Design and Development (SDD) program is scheduled for FY09-FY13 using RDT&E funds. The SDD program was initiated with FY08 GWOT RDT&E funds.

Delivery Orders were awarded on 31 July 2009 for the replacement portion of the RASP hardware and software subsystem along with Central Computer Subsystem upgrades and on 1 June 2010 for the replacement portion of the OWS computer. The contract is Sole Source to Northrop Grumman under the Joint STARS System Improvement Program II (JSSIP) contract.

The SDD program is scheduled for completion (DD250) in June 2013.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00800 - E-8	**Modification Nomenclature (*Modification Number - Modification Title*):** 38198 - Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)
Models of Systems Affected: E-8C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207581F

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)*
RDT&E PE #												
0207581F	0 / 147.603	- / 15.293	- / 0.107	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 163.003
Procurement												
Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)												
A Kits												
Recurring												
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	5 / 3.912	9 / 7.098	- / -	9 / 7.098	- / -	- / -	- / -	- / -	- / -	14 / 11.010
Subtotal Recurring	*0 / 0.000*	*- / -*	*5 / 3.912*	*9 / 7.098*	*- / -*	*9 / 7.098*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*14 / 11.010*
B Kits												
Recurring												
EQUIPMENT Group B (Guard)	0 / 0.000	- / -	5 / 16.048	9 / 27.919	- / -	9 / 27.919	- / -	- / -	- / -	- / -	- / -	14 / 43.967
Subtotal Recurring	*0 / 0.000*	*- / -*	*5 / 16.048*	*9 / 27.919*	*- / -*	*9 / 27.919*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*14 / 43.967*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
EQUIP NONREC Group B (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Secondary Distribution												
AF	0 / 0.000	- / 0.383	- / 36.075	- / 12.519	- / -	- / 12.519	- / 11.415	- / 1.455	- / 0.805	- / -	- / -	- / -
AFNG	0 / 0.000	- / -	5 / 19.960	9 / 35.017	- / -	9 / 35.017	- / -	- / -	- / -	- / -	- / -	- / -
Total, Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)	*0 / 0.000*	*- / -*	*5 / 19.960*	*9 / 35.017*	*- / -*	*9 / 35.017*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*14 / 54.977*
Total Procurement, All Modifications	*0 / 0.000*	*- / -*	*5 / 19.960*	*9 / 35.017*	*- / -*	*9 / 35.017*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*14 / 54.977*
Support												
CHANGE ORDERS	0 / 0.000	- / -	- / 3.982	- / 1.748	- / -	- / 1.748	- / 2.160	- / -	- / -	- / -	- / -	- / 7.890
SIM/TRAINER	0 / 0.000	- / -	- / 13.452	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.452
SUPPORT- EQUIP	0 / 0.000	- / -	- / 11.657	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.657
PMA	0 / 0.000	- / 0.383	- / 3.912	- / 3.515	- / -	- / 3.515	- / 2.361	- / 1.455	- / 0.805	- / -	- / -	- / 12.431
PMA - Contractor Services	0 / 0.000	- / -	- / 3.072	- / 6.938	- / -	- / 6.938	- / 6.894	- / -	- / -	- / -	- / -	- / 16.904
ICS-Labor	0 / 0.000	- / -	- / -	- / 0.318	- / -	- / 0.318	- / -	- / -	- / -	- / -	- / -	- / 0.318

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00800 - E-8	**Modification Nomenclature (*Modification Number - Modification Title*):** 38198 - Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)
Models of Systems Affected: E-8C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207581F

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 Support, All Modifications	*0.000*	*0.383*	*36.075*	*12.519*	*-*	*12.519*	*11.415*	*1.455*	*0.805*	*-*	*-*	*62.652*
Total Procurement and Support	*0.000*	*0.383*	*56.035*	*47.536*	*-*	*47.536*	*11.415*	*1.455*	*0.805*	*-*	*-*	*117.629*
Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS) Installation Cost	0 / 0.000	- / -	- / -	5 / 9.730	- / -	5 / 9.730	9 / 18.342	- / -	- / -	- / -	- / -	14 / 28.072
Total Installation Cost	*0 / 0.000*	*- / -*	*- / -*	*5 / 9.730*	*- / -*	*5 / 9.730*	*9 / 18.342*	*- / -*	*- / -*	*- / -*	*- / -*	*14 / 28.072*
Total Cost (Procurement + Support + Installation)	**0.000**	**0.383**	**56.035**	**57.266**	**-**	**57.266**	**29.757**	**1.455**	**0.805**	**-**	**-**	**145.701**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00800 - E-8	**Modification Nomenclature (*Modification Number - Modification Title*):** 38198 - Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)
Models of Systems Affected: E-8C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207581F

Manufacturer Information: Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)

Manufacturer Name: Unknown	Manufacturer Location: Unknown
Administrative Leadtime *(in Months)*: 9	Production Leadtime *(in Months)*: 11

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

Installation: Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)	**Method of Implementation:** Contractor Facility	**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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	5 / 9.730	- / -	5 / 9.730	- / -	- / -	- / -	- / -	- / -	5 / 9.730
Secondary Distribution - Air National Guard	- / -	- / -	- / -	5 / 9.730	- / -	5 / 9.730	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	9 / 18.342	- / -	- / -	- / -	- / -	9 / 18.342
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	9 / 18.342	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	5 / 9.730	- / -	5 / 9.730	9 / 18.342	- / -	- / -	- / -	- / -	14 / 28.072
Secondary Distribution - Air National Guard	- / -	- / -	- / -	5 / 9.730	- / -	5 / 9.730	9 / 18.342	- / -	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** E00800 - E-8	**Modification Nomenclature (*Modification Number - Modification Title*):** 38198 - Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)
Models of Systems Affected: E-8C	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207581F

Installation: Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)	**Method of Implementation:** Contractor Facility	**Installation Name:**

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	0	-	-	-	-	-	-	-	-	-	-	2	3	2	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	14
Out	0	-	-	-	-	-	-	-	-	-	-	1	1	2	2	2	3	2	1	-	-	-	-	-	-	-	-	-	-	-	14

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** H00100 - H-1

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207597F

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)*	157.844	5.280	5.449	6.627	-	6.627	7.672	2.829	2.657	2.705	-	191.063
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	157.844	5.280	5.449	6.627	-	6.627	7.672	2.829	2.657	2.705	-	191.063
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**157.844**	**5.280**	**5.449**	**6.627**	**-**	**6.627**	**7.672**	**2.829**	**2.657**	**2.705**	**-**	**191.063**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 line item funds modifications to UH-1N and UH-1H/TH-1H aircraft. The two-engine UH-1N is a light, utility helicopter primarily used for missile site and range support and distinguished visitor airlift support. The Huey II Modernization budgeted in FY2014 continues modification of single-engine UH-1H aircraft to TH-1H configuration for use in the helicopter track of USAF Specialized Undergraduate Pilot Training. There are 62 UH-1N aircraft in the inventory. They were built with an estimated service life of 10,000 flight hours and are not service limited due to on-going modifications and upgrades. There are currently 25 TH-1H aircraft in the inventory. The TH-1H modification provides a service life of 20 years. Aircraft are still being modified and delivered. Upon completion, there will be 28 TH-1H aircraft in the inventory. The specific modifications budgeted and programmed are listed below.

Funding in this exhibit is contained in PE 0101235F, PE 0401314F, and PE 0804747F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.280	5.449	6.627	-	6.627	7.672	2.829	2.657	2.705

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
H00100 - H-1

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207597F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
HUEY II MODERNIZATION	P40A		-	-	156.367	-	-	0.862	-	-	0.960	-	-	0.977	-	-	-	-	-	0.977
TRAFFIC ALERT & COLLISION AVOIDANCE SYSTEM	P40A		-	-	0.000	-	-	3.000	-	-	3.000	-	-	4.750	-	-	-	-	-	4.750
LOW COST MODIFICATIONS	P40A		-	-	1.477	-	-	1.418	-	-	1.489	-	-	0.900	-	-	-	-	-	0.900
Total Gross/Weapon System Cost					**157.844**			**5.280**			**5.449**			**6.627**			**-**			**6.627**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
HUEY II MODERNIZATION	P40A		-	-	1.007	-	-	1.031	-	-	1.048	-	-	1.067	-	-	-	-	-	163.319
TRAFFIC ALERT & COLLISION AVOIDANCE SYSTEM	P40A		-	-	4.750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.500
LOW COST MODIFICATIONS	P40A		-	-	1.915	-	-	1.798	-	-	1.609	-	-	1.638	-	-	-	-	-	12.244
Total Gross/Weapon System Cost					**7.672**			**2.829**			**2.657**			**2.705**			**-**			**191.063**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** H06000 - H-60

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0207224F

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)*	420.101	143.171	26.227	27.654	-	27.654	73.672	38.384	14.018	11.726	-	754.953
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	420.101	143.171	26.227	27.654	-	27.654	73.672	38.384	14.018	11.726	-	754.953
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**420.101**	**143.171**	**26.227**	**27.654**	**-**	**27.654**	**73.672**	**38.384**	**14.018**	**11.726**	**-**	**754.953**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 line item funds modifications to the HH-60G helicopter. The HH-60G currently supports the Air Force's core function of Personnel Recovery. The primary mission of the HH-60G is to conduct day / night / marginal weather Combat Search and Rescue (CSAR) in order to recover downed aircrew or other isolated personnel in hostile or permissive environments. Other mission areas include casualty evacuation (CASEVAC), medical evacuation (MEDEVAC), non-combatant evacuation operations, civil search and rescue, international aid, disaster humanitarian relief, and insertion/extraction of combat forces. There are currently 99 of the original 112 HH-60G remaining.

The modification efforts budgeted in FY14 provide predictive maintenance analysis, safety/survivability upgrades, mission avionics upgrades, operational loss replacement mission modifications, and addresses obsolescence issues. Installation schedules will be based on aircraft availability and operations tempo.

Funding for this exhibit contained in PE 0207224F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	110.981	22.145	23.090	-	23.090	64.998	25.771	13.351	10.734
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	17.092	2.156	2.883	-	2.883	4.154	7.828	0.325	0.545

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
H06000 - H-60

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207224F

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
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	15.098	1.926	1.681	-	1.681	4.520	4.785	0.342	0.447

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
ALTITUDE HOLD AND HOVER SYSTEM (AHHS)	P40A		-	-	17.282	-	-	3.768	-	-	2.014	-	-	1.960	-	-	-	-	-	1.960
SERVICE LIFE EXTENSION PROGRAM	P40A		-	-	32.337	-	-	5.970	-	-	0.020	-	-	0.020	-	-	-	-	-	0.020
LIGHTWEIGHT AIRBORNE RECOVERY SYSTEM V12 UPGRADE	P40A		-	-	12.306	-	-	5.270	-	-	3.004	-	-	3.220	-	-	-	-	-	3.220
Control Display Unit (CDU)	P40A		-	-	12.500	-	-	-	-	-	0.534	-	-	-	-	-	-	-	-	-
Navigation System Upgrade (NSU)	P40A		-	-	27.900	-	-	19.855	-	-	3.360	-	-	2.333	-	-	-	-	-	2.333
Vibration Monitoring System (VMS)	P40A		-	-	25.303	-	-	4.120	-	-	4.214	-	-	2.020	-	-	-	-	-	2.020
Situation Awareness Data-Link	P40A		-	-	21.937	-	-	-	-	-	0.020	-	-	-	-	-	-	-	-	-
Multi-function Color Display	P40A		-	-	24.471	-	-	3.200	-	-	1.204	-	-	2.020	-	-	-	-	-	2.020
MODE 5	P40A		-	-	1.738	-	-	8.043	-	-	1.030	-	-	0.550	-	-	-	-	-	0.550
Gun Replacement	P40A		-	-	10.348	-	-	-	-	-	0.020	-	-	2.285	-	-	-	-	-	2.285
DEFENSIVE SYSTEM UPGRADE	P40A		-	-	0.000	-	-	14.775	-	-	3.257	-	-	1.340	-	-	-	-	-	1.340
HH-60 OLR Mission Modifications	P40A		-	-	233.300	-	-	66.855	-	-	-	-	-	3.860	-	-	-	-	-	3.860
Ballistic Protection Enhancement	P40A		-	-	0.000	-	-	1.847	-	-	-	-	-	0.020	-	-	-	-	-	0.020
LOW COST MODIFICATIONS	P40A		-	-	0.679	-	-	1.037	-	-	1.360	-	-	1.086	-	-	-	-	-	1.086
8852 - CSAR Avionics/ Electrical Upgrade	P3A		-	-	-	-	-	8.431	-	-	6.190	-	-	6.940	-	-	-	-	-	6.940
Total Gross/Weapon System Cost					**420.101**			**143.171**			**26.227**			**27.654**			**-**			**27.654**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
ALTITUDE HOLD AND HOVER SYSTEM (AHHS)	P40A		-	-	1.290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.314

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
H06000 - H-60

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0207224F

MDAP/MAIS Code(s):

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
SERVICE LIFE EXTENSION PROGRAM	P40A		-	-	0.020	-	-	0.020	-	-	0.020	-	-	-	-	-	-	-	-	38.407
LIGHTWEIGHT AIRBORNE RECOVERY SYSTEM V12 UPGRADE	P40A		-	-	1.320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.120
Control Display Unit (CDU)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.034
Navigation System Upgrade (NSU)	P40A		-	-	2.170	-	-	1.574	-	-	1.920	-	-	-	-	-	-	-	-	59.112
Vibration Monitoring System (VMS)	P40A		-	-	1.636	-	-	0.020	-	-	0.020	-	-	-	-	-	-	-	-	37.333
Situation Awareness Data-Link	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.957
Multi-function Color Display	P40A		-	-	1.390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.285
MODE 5	P40A		-	-	0.702	-	-	1.840	-	-	2.806	-	-	2.770	-	-	-	-	-	19.479
Gun Replacement	P40A		-	-	2.081	-	-	1.305	-	-	1.589	-	-	3.616	-	-	-	-	-	21.244
DEFENSIVE SYSTEM UPGRADE	P40A		-	-	1.070	-	-	0.420	-	-	0.813	-	-	0.750	-	-	-	-	-	22.425
HH-60 OLR Mission Modifications	P40A		-	-	57.833	-	-	29.540	-	-	2.500	-	-	-	-	-	-	-	-	393.888
Ballistic Protection Enhancement	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.867
LOW COST MODIFICATIONS	P40A		-	-	0.430	-	-	1.015	-	-	1.880	-	-	1.920	-	-	-	-	-	9.407
8852 - CSAR Avionics/ Electrical Upgrade	P3A		-	-	3.730	-	-	2.650	-	-	2.470	-	-	2.670	-	-	-	-	-	33.081
Total Gross/Weapon System Cost					**73.672**			**38.384**			**14.018**			**11.726**			**-**			**754.953**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** H06000 - H-60	**Modification Nomenclature (*Modification Number - Modification Title*):** 8852 - CSAR Avionics/Electrical Upgrade
Models of Systems Affected: HH-60G	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207224F

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)*	-	8.431	6.190	6.940	-	6.940	3.730	2.650	2.470	2.670	-	33.081
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	8.431	6.190	6.940	-	6.940	3.730	2.650	2.470	2.670	-	33.081
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**8.431**	**6.190**	**6.940**	**-**	**6.940**	**3.730**	**2.650**	**2.470**	**2.670**	**-**	**33.081**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 modification upgrades critical HH-60G avionics and electrical equipment including, but not limited to, Right Hand Relay Panels (RHRP), Aircraft Generators, Advanced Heading Reference Units (AHRUs), cockpit reconfiguration/re-wiring and a communications overhaul. The upgrades are due in part to obsolescence and advancing technology, and will address the necessary component replacement, wiring technical data and qualification testing.

FY14 funding procures kits and installations. Installs will be a combination of Depot Level Modifications, Contract Field Teams, Depot Labor, and O&I Level. Costs and schedules are only estimates at this time, subject to contract negotiations and award.

Milestone/Development Status

The Army is the lead service for H-60 sustainment for the majority of the efforts in this modification. Non-Recurring engineering is required for this effort. The individual efforts are currently in various stages of completion.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** H06000 - H-60	**Modification Nomenclature (*Modification Number - Modification Title*):** 8852 - CSAR Avionics/Electrical Upgrade
Models of Systems Affected: HH-60G	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207224F

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												
CSAR Avionics/Electrical Upgrade												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	20 / 0.400	24 / 0.480	- / -	24 / 0.480	12 / 0.240	3 / 0.060	6 / 0.120	- / -	- / -	65 / 1.300
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	6 / 0.120	7 / 0.140	- / -	7 / 0.140	2 / 0.040	2 / 0.040	- / -	- / -	- / -	17 / 0.340
INSTALL KITS Group A (Reserve)	0 / 0.000	- / -	5 / 0.100	5 / 0.100	- / -	5 / 0.100	4 / 0.094	1 / 0.020	- / -	- / -	- / -	15 / 0.314
Subtotal Recurring	*0 / 0.000*	*- / -*	*31 / 0.620*	*36 / 0.720*	*- / -*	*36 / 0.720*	*18 / 0.374*	*6 / 0.120*	*6 / 0.120*	*- / -*	*- / -*	*97 / 1.954*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	2 / 0.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.040
Subtotal Non-Recurring	*0 / 0.000*	*2 / 0.040*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*2 / 0.040*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	20 / 3.280	24 / 3.906	- / -	24 / 3.906	12 / 1.573	3 / 0.351	6 / 0.977	- / -	- / -	65 / 10.087
EQUIPMENT Group B (Guard)	0 / 0.000	- / -	6 / 0.984	7 / 1.148	- / -	7 / 1.148	2 / 0.240	2 / 0.234	- / -	- / -	- / -	17 / 2.606
EQUIPMENT Group B (Reserve)	0 / 0.000	- / -	5 / 0.820	5 / 0.820	- / -	5 / 0.820	4 / 0.480	1 / 0.117	- / -	- / -	- / -	15 / 2.237
Subtotal Recurring	*0 / 0.000*	*- / -*	*31 / 5.084*	*36 / 5.874*	*- / -*	*36 / 5.874*	*18 / 2.293*	*6 / 0.702*	*6 / 0.977*	*- / -*	*- / -*	*97 / 14.930*
Non-Recurring												
EQUIP NONREC Group B (Active)	0 / 0.000	2 / 0.368	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.368
Subtotal Non-Recurring	*0 / 0.000*	*2 / 0.368*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*2 / 0.368*
Secondary Distribution												
AF	0 / 0.000	2 / 8.431	20 / 4.166	24 / 4.686	- / -	24 / 4.686	12 / 2.163	3 / 1.591	6 / 1.822	- / 2.184	- / -	- / -
AFNG	0 / 0.000	- / -	6 / 1.104	7 / 1.288	- / -	7 / 1.288	2 / 0.280	2 / 0.274	- / -	- / -	- / -	- / -
AFR	0 / 0.000	- / -	5 / 0.920	5 / 0.920	- / -	5 / 0.920	4 / 0.574	1 / 0.137	- / -	- / -	- / -	- / -
Total, CSAR Avionics/Electrical Upgrade	*0 / 0.000*	*2 / 0.408*	*31 / 5.704*	*36 / 6.594*	*- / -*	*36 / 6.594*	*18 / 2.667*	*6 / 0.822*	*6 / 1.097*	*- / -*	*- / -*	*99 / 17.292*
Total Procurement, All Modifications	*0 / 0.000*	*2 / 0.408*	*31 / 5.704*	*36 / 6.594*	*- / -*	*36 / 6.594*	*18 / 2.667*	*6 / 0.822*	*6 / 1.097*	*- / -*	*- / -*	*99 / 17.292*
Support												
DATA	0 / 0.000	- / 6.375	- / 0.186	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.561
SIM/TRAINER	0 / 0.000	- / 0.852	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.852
FLIGHT TEST	0 / 0.000	2 / 0.389	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.389
PMA - Contractor Services	0 / 0.000	- / 0.300	- / 0.300	- / 0.300	- / -	- / 0.300	- / 0.350	- / 0.400	- / 0.400	- / 0.500	- / -	- / 2.550
KIT PROOF	0 / 0.000	- / 0.107	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.107

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** H06000 - H-60	**Modification Nomenclature (*Modification Number - Modification Title*):** 8852 - CSAR Avionics/Electrical Upgrade
Models of Systems Affected: HH-60G	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207224F

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)*
PROGRAM MANAGEMENT	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.780	- / 0.325	- / 1.684	- / -	- / 2.789
Total Support, All Modifications	*0.000*	*8.023*	*0.486*	*0.300*	*-*	*0.300*	*0.350*	*1.180*	*0.725*	*2.184*	*-*	*13.248*
Total Procurement and Support	*0.000*	*8.431*	*6.190*	*6.894*	*-*	*6.894*	*3.017*	*2.002*	*1.822*	*2.184*	*-*	*30.540*
CSAR Avionics/Electrical Upgrade Installation Cost	0 / 0.000	- / -	- / -	2 / 0.046	- / -	2 / 0.046	31 / 0.713	24 / 0.648	24 / 0.648	18 / 0.486	- / -	99 / 2.541
Total Installation Cost	*0 / 0.000*	*- / -*	*- / -*	*2 / 0.046*	*- / -*	*2 / 0.046*	*31 / 0.713*	*24 / 0.648*	*24 / 0.648*	*18 / 0.486*	*- / -*	*99 / 2.541*
Total Cost (Procurement + Support + Installation)	**0.000**	**8.431**	**6.190**	**6.940**	**-**	**6.940**	**3.730**	**2.650**	**2.470**	**2.670**	**-**	**33.081**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** H06000 - H-60	**Modification Nomenclature (*Modification Number - Modification Title*):** 8852 - CSAR Avionics/Electrical Upgrade
Models of Systems Affected: HH-60G	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207224F

Manufacturer Information: CSAR Avionics/Electrical Upgrade

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

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

Installation: CSAR Avionics/Electrical Upgrade	Method of Implementation: Combination	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	2 / 0.046	- / -	2 / 0.046	- / -	- / -	- / -	- / -	- / -	2 / 0.046
Secondary Distribution - Air Force Active	- / -	- / -	- / -	2 / 0.046	- / -	2 / 0.046	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	31 / 0.713	- / -	- / -	- / -	- / -	31 / 0.713
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.460	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.138	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.115	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.648	12 / 0.324	- / -	- / -	36 / 0.972
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 0.513	5 / 0.135	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.054	5 / 0.135	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.081	2 / 0.054	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.324	6 / 0.162	- / -	18 / 0.486
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.324	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.054	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.108	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.162	- / -	6 / 0.162
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.081	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.054	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.027	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.162	- / -	6 / 0.162
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.162	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** H06000 - H-60	**Modification Nomenclature (*Modification Number - Modification Title*):** 8852 - CSAR Avionics/Electrical Upgrade
Models of Systems Affected: HH-60G	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207224F

Installation: CSAR Avionics/Electrical Upgrade | **Method of Implementation:** Combination | **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)*
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 0.046	- / -	2 / 0.046	31 / 0.713	24 / 0.648	24 / 0.648	18 / 0.486	- / -	99 / 2.541
Secondary Distribution - Air Force Active	- / -	- / -	- / -	2 / 0.046	- / -	2 / 0.046	20 / 0.460	19 / 0.513	17 / 0.459	9 / 0.243	- / -	- / -
Secondary Distribution - Air National Guard	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.138	2 / 0.054	5 / 0.135	4 / 0.108	- / -	- / -
Secondary Distribution - Air Force Reserve	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.115	3 / 0.081	2 / 0.054	5 / 0.135	- / -	- / -

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	0	-	-	-	-	-	-	-	-	-	-	-	2	8	8	8	7	6	6	6	6	6	6	6	6	6	6	6	-	-	99
Out	0	-	-	-	-	-	-	-	-	-	-	-	2	8	8	8	7	6	6	6	6	6	6	6	6	6	6	6	-	-	99

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** HAWK00 - RQ-4 Mods

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0305220F

MDAP/MAIS Code(s): 252

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)*	474.903	89.177	9.257	9.313	-	9.313	8.847	9.446	6.444	6.560	-	613.947
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	474.903	89.177	9.257	9.313	-	9.313	8.847	9.446	6.444	6.560	-	613.947
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**474.903**	**89.177**	**9.257**	**9.313**	**-**	**9.313**	**8.847**	**9.446**	**6.444**	**6.560**	**-**	**613.947**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 Global Hawk Modernization efforts are divided into Comm/Identify Friend or Foe (IFF) upgrade, low cost mods, and Ground Segment & Comms Systems DMS fixes. Mod 470001 includes the INMARSAT/ Comsec, IFF Mode 5/Automatic Dependent Surveillance Broadcast (ADS-B), and small mods.

The Global Hawk System provides high altitude, deep look, long endurance intelligence, surveillance, and reconnaissance (ISR) capability that complements space and other airborne collectors during peacetime, crisis, and war-fighting scenarios. The aircraft is an autonomous, high altitude, long-endurance, unmanned aircraft system (UAS).

The RQ-4A (Block 10) is an imagery-intelligence (IMINT) UAS designed to employ 2000 pounds of payload, and employs an Integrated Sensor Suite (ISS). The RQ-4B UAS is designed to employ 3000 pounds of payload and enable multi-intelligence (multi-INT) collecting. The RQ-4B has three (3) configurations: Block 20, Block 30, and Block 40.

The Global Hawk program will incorporate applicable synergies with other platforms, including the U.S. Navy Triton, USAF Predator/Reaper, and other UAV weapon systems.

The Global Hawk system will be continually modified to maintain pace with the evolving threat and the increasing capabilities included in modernization efforts. These planned modifications include aircraft, ground station/communications, and other retrofits to incorporate new capabilities or meet mandated equipment standards.

Footnotes: Not all equipment purchases install in the same year. Aircraft modification components have between 3 and 6 month lead times between long-lead purchases and installation.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
HAWK00 - RQ-4 Mods

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0305220F

MDAP/MAIS Code(s): 252

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	89.177	9.257	9.313	-	9.313	8.847	9.446	6.444	6.560

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
GH Ground Station Mods	P40A		-	-	15.451	-	-	1.500	-	-	0.500	-	-	0.500	-	-	-	-	-	0.500
470001 - GH Aircraft Mods	P3A		-	-	459.452	-	-	87.677	-	-	8.757	-	-	8.813	-	-	-	-	-	8.813
Total Gross/Weapon System Cost					**474.903**			**89.177**			**9.257**			**9.313**			**-**			**9.313**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
GH Ground Station Mods	P40A		-	-	0.500	-	-	0.500	-	-	0.500	-	-	0.500	-	-	-	-	-	19.951
470001 - GH Aircraft Mods	P3A		-	-	8.347	-	-	8.946	-	-	5.944	-	-	6.060	-	-	-	-	-	593.996
Total Gross/Weapon System Cost					**8.847**			**9.446**			**6.444**			**6.560**			**-**			**613.947**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** HAWK00 - RQ-4 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 470001 - GH Aircraft Mods
Models of Systems Affected: Block 10, 20, 30 and 40	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305220F

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)*	459.452	87.677	8.757	8.813	-	8.813	8.347	8.946	5.944	6.060	-	593.996
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	459.452	87.677	8.757	8.813	-	8.813	8.347	8.946	5.944	6.060	-	593.996
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**459.452**	**87.677**	**8.757**	**8.813**	**-**	**8.813**	**8.347**	**8.946**	**5.944**	**6.060**	**-**	**593.996**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 effort includes the INMARSAT/Comsec, Identify Friend or Foe (IFF) Mode 5/Automatic Dependent Surveillance Broadcast (ADS-B), and small mods for all operational block configurations.

The Global Hawk System provides high altitude, deep look, long endurance intelligence, surveillance, and reconnaissance (ISR) capability that complements space and other airborne collectors during peacetime, crisis, and war-fighting scenarios. The aircraft is an autonomous, high altitude, long-endurance, unmanned aircraft system (UAS).

The Global Hawk program will incorporate applicable synergies with other platforms, including the U.S. Navy's Triton, USAF Predator/Reaper, and other UAV weapon systems

The Global Hawk system will be continually modified to maintain pace with the evolving threat and the increasing capabilities included in modernization efforts. These planned modifications include aircraft, ground station/communications, and other retrofits to incorporate new capabilities or meet mandated equipment standards.

The Air Vehicle modifications are written to the Line Replaceable Unit (LRU) level, not the overarching Total Aircraft Breakdown. B Kit quantities will exceed A Kit quantities because not every B-Kit requires an A-Kit for installation, many of our B-Kits are Circuit Card Assemblies (CCA) that are form fit and fuunction to current model.

Mod of Spares line accounts for our current spare quantities for the Line Replaceable Units (LRUs) that are planned to be modified. These spare quantities will not have associated install costs, they will be modified and remain in spares pool until needed.

$1.5M per Fiscal Year included in Other Government line accounts for Low Cost Modifications specific to the Air Vehicle.

Milestone/Development Status

The modifications budgeted in FY14 support INMARSAT/Comsec, Identify Friend or Foe (IFF) Mode 5/Automatic Dependent Surveilance Broadcast (ADS-B), and small mods.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** HAWK00 - RQ-4 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 470001 - GH Aircraft Mods
Models of Systems Affected: Block 10, 20, 30 and 40	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305220F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** HAWK00 - RQ-4 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 470001 - GH Aircraft Mods
Models of Systems Affected: Block 10, 20, 30 and 40	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305220F

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												
GH Aircraft Mods												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	21 / 1.242	17 / 0.500	4 / 0.500	8 / 0.688	- / -	8 / 0.688	8 / 0.194	6 / 0.024	- / -	- / -	- / -	64 / 3.148
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*21 / 1.242*	*17 / 0.500*	*4 / 0.500*	*8 / 0.688*	*- / -*	*8 / 0.688*	*8 / 0.194*	*6 / 0.024*	*- / -*	*- / -*	*- / -*	*64 / 3.148*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	21 / 356.936	17 / 81.010	4 / 5.507	8 / 4.279	- / -	8 / 4.279	8 / 5.859	6 / 7.024	- / -	- / -	- / -	64 / 460.615
Subtotal Recurring	*21 / 356.936*	*17 / 81.010*	*4 / 5.507*	*8 / 4.279*	*- / -*	*8 / 4.279*	*8 / 5.859*	*6 / 7.024*	*- / -*	*- / -*	*- / -*	*64 / 460.615*
Secondary Distribution												
AF	21 / 446.978	17 / 83.010	4 / 7.632	8 / 7.217	- / -	8 / 7.217	8 / 7.553	6 / 8.548	- / 5.944	- / 6.060	- / -	- / -
Total, GH Aircraft Mods	*21 / 358.178*	*17 / 81.510*	*4 / 6.007*	*8 / 4.967*	*- / -*	*8 / 4.967*	*8 / 6.053*	*6 / 7.048*	*- / -*	*- / -*	*- / -*	*64 / 463.763*
Total Procurement, All Modifications	*21 / 358.178*	*17 / 81.510*	*4 / 6.007*	*8 / 4.967*	*- / -*	*8 / 4.967*	*8 / 6.053*	*6 / 7.048*	*- / -*	*- / -*	*- / -*	*64 / 463.763*
Support												
SUPPORT- EQUIP	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Mod of Spares	0 / 0.000	- / -	3 / 0.125	6 / 0.750	- / -	6 / 0.750	- / -	- / -	- / -	- / -	- / -	9 / 0.875
OTHER GOVT	0 / 85.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 85.800
OTHER GOVT (1)	0 / 3.000	- / 1.500	- / 1.500	- / 1.500	- / -	- / 1.500	- / 1.500	- / 1.500	- / 5.944	- / 6.060	- / -	- / 22.504
Total Support, All Modifications	*88.800*	*1.500*	*1.625*	*2.250*	*-*	*2.250*	*1.500*	*1.500*	*5.944*	*6.060*	*-*	*109.179*
Total Procurement and Support	*446.978*	*83.010*	*7.632*	*7.217*	*-*	*7.217*	*7.553*	*8.548*	*5.944*	*6.060*	*-*	*572.942*
GH Aircraft Mods Installation Cost	21 / 12.474	17 / 4.667	4 / 1.125	8 / 1.596	- / -	8 / 1.596	8 / 0.794	6 / 0.398	- / -	- / -	- / -	64 / 21.054
Total Installation Cost	*21 / 12.474*	*17 / 4.667*	*4 / 1.125*	*8 / 1.596*	*- / -*	*8 / 1.596*	*8 / 0.794*	*6 / 0.398*	*- / -*	*- / -*	*- / -*	*64 / 21.054*
Total Cost (Procurement + Support + Installation)	**459.452**	**87.677**	**8.757**	**8.813**	**-**	**8.813**	**8.347**	**8.946**	**5.944**	**6.060**	**-**	**593.996**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** HAWK00 - RQ-4 Mods	**Modification Nomenclature** (*Modification Number - Modification Title*): 470001 - GH Aircraft Mods
Models of Systems Affected: Block 10, 20, 30 and 40	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305220F

Manufacturer Information: GH Aircraft Mods

Manufacturer Name: Unknown	Manufacturer Location: Unknown
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 6

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

Installation: GH Aircraft Mods	**Method of Implementation:** Contract Field Team	**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	21 / 12.474	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	21 / 12.474
Secondary Distribution - Air Force Active	21 / 12.474	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	17 / 4.667	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 4.667
Secondary Distribution - Air Force Active	- / -	17 / 4.667	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	4 / 1.125	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.125
Secondary Distribution - Air Force Active	- / -	- / -	4 / 1.125	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	8 / 1.596	- / -	8 / 1.596	- / -	- / -	- / -	- / -	- / -	8 / 1.596
Secondary Distribution - Air Force Active	- / -	- / -	- / -	8 / 1.596	- / -	8 / 1.596	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.794	- / -	- / -	- / -	- / -	8 / 0.794
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.794	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.398	- / -	- / -	- / -	6 / 0.398
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.398	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	21 / 12.474	17 / 4.667	4 / 1.125	8 / 1.596	- / -	8 / 1.596	8 / 0.794	6 / 0.398	- / -	- / -	- / -	64 / 21.054
Secondary Distribution - Air Force Active	21 / 12.474	17 / 4.667	4 / 1.125	8 / 1.596	- / -	8 / 1.596	8 / 0.794	6 / 0.398	- / -	- / -	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** HAWK00 - RQ-4 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 470001 - GH Aircraft Mods
Models of Systems Affected: Block 10, 20, 30 and 40	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305220F

Installation: GH Aircraft Mods	Method of Implementation: Contract Field Team	Installation Name:

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	21	-	-	7	10	-	-	2	2	-	-	4	4	-	-	4	4	-	-	3	3	-	-	-	-	-	-	-	-	-	64
Out	11	10	-	-	-	7	10	-	-	2	2	-	-	4	4	-	-	4	4	-	-	3	3	-	-	-	-	-	-	-	64

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** HCMC00 - HC/MC-130 Modifications

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0401134F, 0207224F

MDAP/MAIS Code(s): 257

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)*	3.891	34.431	27.026	16.300	-	16.300	13.369	12.120	6.057	4.130	1.200	118.524
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	3.891	34.431	27.026	16.300	-	16.300	13.369	12.120	6.057	4.130	1.200	118.524
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**3.891**	**34.431**	**27.026**	**16.300**	**-**	**16.300**	**13.369**	**12.120**	**6.057**	**4.130**	**1.200**	**118.524**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

FY12 funding totals include $34M appropriated for Overseas Contingency Operations.

HC/MC-130 Recapitalization will replace and augment the aging USAF fleets of combat rescue HC-130P/N and special operations MC-130E/P aircraft which are experiencing airworthiness, maintainability and operational limitations. This program provides a common baseline configuration aircraft.

The modifications budgeted in FY14 will improve the reliability, maintainability, safety, and mission performance, reduce logistics costs, and implement fleet upgrades and enhancements to meet emerging requirements for the HC/MC-130J aircraft and associated training systems.

Funding for this exhibit is contained in PE 0207224F (HC-130J) and PE 0207230F (MC-130J)

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	34.431	27.026	16.300	-	16.300	13.369	12.120	6.057	4.130

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
HCMC00 - HC/MC-130 Modifications

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401134F, 0207224F

MDAP/MAIS Code(s): 257

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	P40A		-	-	0.000	-	-	34.000	-	-	-	-	-	-	-	-	-	-	-	-
HC-130J Personnel Locator System	P40A		-	-	0.000	-	-	-	-	-	4.700	-	-	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	P40A		-	-	3.891	-	-	0.431	-	-	1.926	-	-	-	-	-	-	-	-	-
8632 - MC-130J Increment 2	P3A		-	-	-	-	-	-	-	-	-	-	-	8.000	-	-	-	-	-	8.000
8634 - HC-130J Common Configuration	P3A		-	-	-	-	-	-	-	-	20.400	-	-	8.300	-	-	-	-	-	8.300
Total Gross/Weapon System Cost					**3.891**			**34.431**			**27.026**			**16.300**			**-**			**16.300**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.000
HC-130J Personnel Locator System	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.700
LOW COST MODIFICATIONS	P40A		-	-	3.051	-	-	2.700	-	-	1.987	-	-	1.993	-	-	-	-	-	15.979
8632 - MC-130J Increment 2	P3A		-	-	4.400	-	-	6.600	-	-	2.000	-	-	-	-	-	-	-	-	21.000
8634 - HC-130J Common Configuration	P3A		-	-	5.918	-	-	2.820	-	-	2.070	-	-	2.137	-	-	1.200	-	-	42.845
Total Gross/Weapon System Cost					**13.369**			**12.120**			**6.057**			**4.130**			**1.200**			**118.524**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** HCMC00 - HC/MC-130 Modifications	**Modification Nomenclature (*Modification Number - Modification Title*):** 8632 - MC-130J Increment 2
Models of Systems Affected: MC-130J	**Type Modification:** Capability Improvement	**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)*	-	-	-	8.000	-	8.000	4.400	6.600	2.000	-	-	21.000
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	-	8.000	-	8.000	4.400	6.600	2.000	-	-	21.000
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**-**	**8.000**	**-**	**8.000**	**4.400**	**6.600**	**2.000**	**-**	**-**	**21.000**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 MC-130J Increment 2 modification brings the first ten MC-130J Increment 1 aircraft up to the baseline Increment 2 configuration. Increment 2 adds LAIRCM Group A provisions, crashworthy loadmaster seats, and increased electrical power. It also modifies MC-130J training systems from Increment 1 to Increment 2. This ensures total fleet commonality and avoids many DMS issues.

MC-130J Increment 2 is an FY14 New Start. Related is the HC-130J Common Configuration Mod (Mod 8634)which brings 2 HC-130Js from Increment 0 to Increment 2. This mod was an FY13 New Start.

Milestone/Development Status

Increment 2 development is complete. The first Increment 2 aircraft produced was delivered off of the production line in the first quarter of FY13.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** HCMC00 - HC/MC-130 Modifications	**Modification Nomenclature (*Modification Number - Modification Title*):** 8632 - MC-130J Increment 2
Models of Systems Affected: MC-130J	**Type Modification:** Capability Improvement	**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												
MC-130J Increment 2												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	- / -	1 / 0.895	- / -	1 / 0.895	4 / 3.640	5 / 4.628	- / -	- / -	- / -	10 / 9.163
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*1 / 0.895*	*- / -*	*1 / 0.895*	*4 / 3.640*	*5 / 4.628*	*- / -*	*- / -*	*- / -*	*10 / 9.163*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / -	- / 6.000	- / -	- / 6.000	- / -	- / -	- / -	- / -	- / -	- / 6.000
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / 6.000*	*- / -*	*- / 6.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 6.000*
Secondary Distribution												
AF	0 / 0.000	- / -	- / -	1 / 8.000	- / -	1 / 8.000	4 / 4.019	5 / 5.049	- / 0.028	- / -	- / -	- / -
Total, MC-130J Increment 2	*0 / 0.000*	*- / -*	*- / -*	*1 / 6.895*	*- / -*	*1 / 6.895*	*4 / 3.640*	*5 / 4.628*	*- / -*	*- / -*	*- / -*	*10 / 15.163*
Total Procurement, All Modifications	*0 / 0.000*	*- / -*	*- / -*	*1 / 6.895*	*- / -*	*1 / 6.895*	*4 / 3.640*	*5 / 4.628*	*- / -*	*- / -*	*- / -*	*10 / 15.163*
Support												
SIM/TRAINER	0 / 0.000	- / -	- / -	- / 1.016	- / -	- / 1.016	- / 0.243	- / 0.134	- / -	- / -	- / -	- / 1.393
Install Spares	0 / 0.000	- / -	- / -	- / 0.089	- / -	- / 0.089	- / 0.136	- / 0.287	- / 0.028	- / -	- / -	- / 0.540
Total Support, All Modifications	*0.000*	*-*	*-*	*1.105*	*-*	*1.105*	*0.379*	*0.421*	*0.028*	*-*	*-*	*1.933*
Total Procurement and Support	*0.000*	*-*	*-*	*8.000*	*-*	*8.000*	*4.019*	*5.049*	*0.028*	*-*	*-*	*17.096*
MC-130J Increment 2 Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	1 / 0.381	4 / 1.551	5 / 1.972	- / -	- / -	10 / 3.904
Total Installation Cost	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*1 / 0.381*	*4 / 1.551*	*5 / 1.972*	*- / -*	*- / -*	*10 / 3.904*
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**8.000**	**-**	**8.000**	**4.400**	**6.600**	**2.000**	**-**	**-**	**21.000**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** HCMC00 - HC/MC-130 Modifications	**Modification Nomenclature (*Modification Number - Modification Title*):** 8632 - MC-130J Increment 2
Models of Systems Affected: MC-130J	**Type Modification:** Capability Improvement	**Related RDT&E PEs:**

Manufacturer Information: MC-130J Increment 2

Manufacturer Name: Lockheed Martin	Manufacturer Location: Marietta GA
Administrative Leadtime *(in Months)*: 5	Production Leadtime *(in Months)*: 14

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

Installation: MC-130J Increment 2	Method of Implementation: Contractor Facility	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.381	- / -	- / -	- / -	- / -	1 / 0.381
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.381	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.551	- / -	- / -	- / -	4 / 1.551
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.551	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.972	- / -	- / -	5 / 1.972
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.972	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.381	4 / 1.551	5 / 1.972	- / -	- / -	10 / 3.904
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.381	4 / 1.551	5 / 1.972	- / -	- / -	- / -

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	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1	1	1	1	2	1	-	-	-	-	-	10
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	2	1	-	-	-	-	10

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** HCMC00 - HC/MC-130 Modifications	**Modification Nomenclature (*Modification Number - Modification Title*):** 8634 - HC-130J Common Configuration
Models of Systems Affected: HC-130J	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207224F

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)*	-	-	20.400	8.300	-	8.300	5.918	2.820	2.070	2.137	1.200	42.845
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	20.400	8.300	-	8.300	5.918	2.820	2.070	2.137	1.200	42.845
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**20.400**	**8.300**	**-**	**8.300**	**5.918**	**2.820**	**2.070**	**2.137**	**1.200**	**42.845**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 HC-130J Common Configuration/Block Upgrade modification brings the first two HC-130J Increment 0 aircraft up to the baseline Increment 2 configuration. Increment 2 adds LAIRCM Group A provisions, crashworthy loadmaster seats, and increased electrical power. The program also brings HC-130J training systems to the Increment 2 configuration. This ensures total fleet commonality and avoids many Diminsihing Manufacturing Sources issues.

It also provides for the installation of specific combat search and rescue and enhanced situational awareness modifications to HC-130J aircraft.

This was an FY13 New Start for the HC-130J and is related to the MC-130J Increment 2 Mod (Mod #8632) which brings 10 MC-130Js to the Incremetn 2 configuration.

Milestone/Development Status

Increment 2 development completed in 2012.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** HCMC00 - HC/MC-130 Modifications	**Modification Nomenclature (*Modification Number - Modification Title*):** 8634 - HC-130J Common Configuration
Models of Systems Affected: HC-130J	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207224F

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												
HC-130J Common Configuration												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	- / -	7 / 5.645	- / -	7 / 5.645	4 / 1.092	2 / 0.560	1 / 0.961	1 / 0.977	- / -	15 / 9.235
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*7 / 5.645*	*- / -*	*7 / 5.645*	*4 / 1.092*	*2 / 0.560*	*1 / 0.961*	*1 / 0.977*	*- / -*	*15 / 9.235*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / 16.002	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.002
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / 16.002*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 16.002*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Secondary Distribution												
AF	0 / 0.000	- / -	- / 20.400	7 / 8.300	- / -	7 / 8.300	4 / 3.299	2 / 1.490	1 / 1.081	1 / 1.128	- / -	- / -
Total, HC-130J Common Configuration	*0 / 0.000*	*- / -*	*- / 16.002*	*7 / 5.645*	*- / -*	*7 / 5.645*	*4 / 1.092*	*2 / 0.560*	*1 / 0.961*	*1 / 0.977*	*- / -*	*15 / 25.237*
Total Procurement, All Modifications	*0 / 0.000*	*- / -*	*- / 16.002*	*7 / 5.645*	*- / -*	*7 / 5.645*	*4 / 1.092*	*2 / 0.560*	*1 / 0.961*	*1 / 0.977*	*- / -*	*15 / 25.237*
Support												
SIM/TRAINER	0 / 0.000	- / -	- / 3.731	- / 1.625	- / -	- / 1.625	- / 1.989	- / 0.741	- / 0.024	- / 0.053	- / -	- / 8.163
SUPPORT- EQUIP	0 / 0.000	- / -	- / -	- / 0.567	- / -	- / 0.567	- / -	- / -	- / -	- / -	- / -	- / 0.567
Install Spares	0 / 0.000	- / -	- / 0.667	- / 0.463	- / -	- / 0.463	- / 0.218	- / 0.189	- / 0.096	- / 0.098	- / -	- / 1.731
Total Support, All Modifications	*0.000*	*-*	*4.398*	*2.655*	*-*	*2.655*	*2.207*	*0.930*	*0.120*	*0.151*	*-*	*10.461*
Total Procurement and Support	*0.000*	*-*	*20.400*	*8.300*	*-*	*8.300*	*3.299*	*1.490*	*1.081*	*1.128*	*-*	*35.698*
HC-130J Common Configuration Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	7 / 2.619	4 / 1.330	2 / 0.989	1 / 1.009	1 / 1.200	15 / 7.147
Total Installation Cost	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*7 / 2.619*	*4 / 1.330*	*2 / 0.989*	*1 / 1.009*	*1 / 1.200*	*15 / 7.147*
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**20.400**	**8.300**	**-**	**8.300**	**5.918**	**2.820**	**2.070**	**2.137**	**1.200**	**42.845**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** HCMC00 - HC/MC-130 Modifications	**Modification Nomenclature (*Modification Number - Modification Title*):** 8634 - HC-130J Common Configuration
Models of Systems Affected: HC-130J	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0207224F

Manufacturer Information: HC-130J Common Configuration

Manufacturer Name: Lockheed Martin Aero	Manufacturer Location: Marietta Ga
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 11

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: HC-130J Common Configuration	Method of Implementation: Contractor Facility	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	7 / 2.619	- / -	- / -	- / -	- / -	7 / 2.619
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	7 / 2.619	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.330	- / -	- / -	- / -	4 / 1.330
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.330	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.989	- / -	- / -	2 / 0.989
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.989	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.009	- / -	1 / 1.009
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.009	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.200	1 / 1.200
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	7 / 2.619	4 / 1.330	2 / 0.989	1 / 1.009	1 / 1.200	15 / 7.147
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	7 / 2.619	4 / 1.330	2 / 0.989	1 / 1.009	- / -	- / -

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	0	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	2	1	1	1	1	1	1	-	-	1	-	-	-	1	15
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	2	1	1	1	1	1	1	-	-	1	-	-	1	15

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** OTHACF - Other Aircraft

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0207448F, 0207434F, 0303601F, 0207161F, 0207701F, 0401897F, 0207249F, 0702207F, 0207217F, 0401839F, 0604281F, 0207423F, 0208015F, 0901212F

MDAP/MAIS Code(s): 199,385,554

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)*	102.080	83.082	18.832	6.948	-	6.948	44.069	29.997	16.032	15.301	-	316.341
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	102.080	83.082	18.832	6.948	-	6.948	44.069	29.997	16.032	15.301	-	316.341
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**102.080**	**83.082**	**18.832**	**6.948**	**-**	**6.948**	**44.069**	**29.997**	**16.032**	**15.301**	**-**	**316.341**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	26.062	3.238	1.400	0.206	-	0.206	5.882	3.988	1.427	1.453	-	43.656
Flyaway Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 2012 funding totals include $15.0M appropriated for Overseas Contingency Operations. (ATP Program)

This line item funds multiple modifications that apply to weapon systems funded at less than $2 million per year as well as weapon systems with much greater budgets. The overall goal of the modifications budgeted in FY13 is to enhance capability and improve reliability and maintainability. A major modification budgeted in FY13 is The Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) Increment 1 program that will provide Extremely High Frequency (EHF) voice and data military satellite communications (MILSATCOM) for nuclear and conventional forces as well as airborne and ground command posts with connectivity to MILSTAR and Advanced EHF satellites. Other modifications budgeted and programmed are listed shown below.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	79.779	17.840	6.894	-	6.894	44.069	29.997	16.032	15.301
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.303	0.992	0.054	-	0.054	-	-	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
OTHACF - Other Aircraft

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

Program Elements for Code B Items:

Other Related Program Elements: 0207448F, 0207434F, 0303601F, 0207161F, 0207701F, 0401897F, 0207249F, 0702207F, 0207217F, 0401839F, 0604281F, 0207423F, 0208015F, 0901212F

MDAP/MAIS Code(s): 199,385,554

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
C2ISR TDL	P40A		-	-	0.000	-	-	0.957	-	-	-	-	-	-	-	-	-	-	-	-
EHF SATCOM	P40A		-	-	10.488	-	-	3.791	-	-	4.580	-	-	1.920	-	-	-	-	-	1.920
Full Combat Mission Training	P40A		-	-	54.192	-	-	1.098	-	-	1.566	-	-	0.918	-	-	-	-	-	0.918
MAF Training	P40A		-	-	18.646	-	-	2.900	-	-	-	-	-	-	-	-	-	-	-	-
Sniper LRU Upgrades and Add-ons	P40A		-	-	0.000	-	-	15.800	-	-	0.910	-	-	0.682	-	-	-	-	-	0.682
JOINT TACTICAL RADIO SYSTEM	P40A		-	-	17.030	-	-	58.416	-	-	11.639	-	-	3.290	-	-	-	-	-	3.290
MISCELLANEOUS LOW COSTS MODS (OTHER)	P40A		-	-	1.724	-	-	0.120	-	-	0.137	-	-	0.138	-	-	-	-	-	0.138
Total Gross/Weapon System Cost					**102.080**			**83.082**			**18.832**			**6.948**			**-**			**6.948**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
C2ISR TDL	P40A		-	-	1.300	-	-	2.284	-	-	1.350	-	-	0.354	-	-	-	-	-	6.245
EHF SATCOM	P40A		-	-	32.345	-	-	24.016	-	-	11.686	-	-	11.896	-	-	-	-	-	100.722
Full Combat Mission Training	P40A		-	-	2.778	-	-	2.502	-	-	1.919	-	-	1.954	-	-	-	-	-	66.927
MAF Training	P40A		-	-	1.855	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.401
Sniper LRU Upgrades and Add-ons	P40A		-	-	1.103	-	-	1.051	-	-	0.930	-	-	0.947	-	-	-	-	-	21.423
JOINT TACTICAL RADIO SYSTEM	P40A		-	-	4.547	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94.922
MISCELLANEOUS LOW COSTS MODS (OTHER)	P40A		-	-	0.141	-	-	0.144	-	-	0.147	-	-	0.150	-	-	-	-	-	2.701
Total Gross/Weapon System Cost					**44.069**			**29.997**			**16.032**			**15.301**			**-**			**316.341**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDT01 - MQ-1 Mods

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0305219F

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)*	291.889	161.246	30.861	9.734	-	9.734	4.800	3.200	-	-	-	501.730
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	291.889	161.246	30.861	9.734	-	9.734	4.800	3.200	-	-	-	501.730
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**291.889**	**161.246**	**30.861**	**9.734**	**-**	**9.734**	**4.800**	**3.200**	**-**	**-**	**-**	**501.730**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

Predator is an autonomous, long-dwell, unmanned reconnaissance system capable of operating over the horizon while providing real-time intelligence information to the Joint Task Force Commander. The air vehicle carries electro-optical (EO) and Infra-Red (IR) sensors, and is capable of transmitting near real time full motion video to the task force commander and throughout the operational theater.

The modification program does not plan to modify the entire inventory due to projected attrition.

Predator was developed as an Advanced Concept Technology Demonstration; no service life was determined. Structural inspections on high-time aircraft thus far have not allowed projection of a service life limit. Average life remaining is TBD.

This program has associated Research, Development, Test and Evaluation funding in PE 0305219F.

Funding for this exhibit contained in PE 0305219F.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	161.246	30.861	9.734	-	9.734	4.800	3.200	-	-

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
PRDT01 - MQ-1 Mods

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0305219F

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 ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Differential GPS	P40A		-	-	5.443	-	-	6.044	-	-	6.668	-	-	2.085	-	-	-	-	-	2.085
Digital Video	P40A		-	-	26.378	-	-	2.382	-	-	-	-	-	1.167	-	-	-	-	-	1.167
VORTEX	P40A		-	-	28.210	-	-	4.897	-	-	2.870	-	-	2.226	-	-	-	-	-	2.226
GCS PPDL	P40A		-	-	120.370	-	-	30.683	-	-	-	-	-	-	-	-	-	-	-	-
IP Migration	P40A		-	-	0.000	-	-	77.039	-	-	14.529	-	-	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	P40A		-	-	1.000	-	-	2.000	-	-	-	-	-	-	-	-	-	-	-	-
PREDATOR A/B MODIFICATIONS	P40A		-	-	110.488	-	-	38.201	-	-	6.794	-	-	4.256	-	-	-	-	-	4.256
Total Gross/Weapon System Cost					**291.889**			**161.246**			**30.861**			**9.734**			**-**			**9.734**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Differential GPS	P40A		-	-	2.444	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.684
Digital Video	P40A		-	-	2.010	-	-	0.249	-	-	-	-	-	-	-	-	-	-	-	32.186
VORTEX	P40A		-	-	0.346	-	-	2.951	-	-	-	-	-	-	-	-	-	-	-	41.500
GCS PPDL	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	151.053
IP Migration	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91.568
LOW COST MODIFICATIONS	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.000
PREDATOR A/B MODIFICATIONS	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	159.739
Total Gross/Weapon System Cost					**4.800**			**3.200**			**-**			**-**			**-**			**501.730**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0205219F

MDAP/MAIS Code(s): 424

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)*	105.202	110.744	238.360	102.970	-	102.970	104.102	128.052	205.537	160.998	1,142.890	2,298.855
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	105.202	110.744	238.360	102.970	-	102.970	104.102	128.052	205.537	160.998	1,142.890	2,298.855
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**105.202**	**110.744**	**238.360**	**102.970**	**-**	**102.970**	**104.102**	**128.052**	**205.537**	**160.998**	**1,142.890**	**2,298.855**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 MQ-9 Reaper system is designed primarily to prosecute critical emerging Time Sensitive Targets (TST) as a radar-based attack asset with organic hard-kill capability (hunter-killer) and also perform Intelligence, Surveillance, Reconnaissance and Target Acquisition (ISR TA) as a secondary role. In the hunter-killer role, the aircraft will employ multi-spectral sensors to automatically find, fix, and track ground targets Automatic Target Cueing (ATC) and assess post-strike results. The basic MQ-9 Reaper system consists of the aircraft, sensors, a ground control station (GCS), Squadron Operations Center (SOC), communications equipment, weapon kits, support equipment, simulator and training devices, Readiness Spares Packages (RSP), technical data/training, and personnel required to operate, maintain, and sustain the system. The aircraft is designed to be modular and open-ended: mission-specific equipment is employed in a 'plug-and-play' mission kit concept allowing specific aircraft and control station configurations to be tailored to fit mission needs. The MQ-9 aircraft will continue to be modified to ensure aircraft are standardized with the latest configuration. Additionally, the MQ-9 system will continue to evolve and upgrade its capabilities to satisfy new requirements and address Reliability and Maintainability (R&M) and safety issues as they arise. Retrofit also includes aircraft (including sensors) and ground control station and ground support system retrofits to baseline configurations.

There are currently 100 MQ-9 aircraft in the inventory with an estimated designed service life of 20,000 hours.

Effort in this modification summary and associated P3As has been broken out into several categories: GCS Blk 50, Block 5, Multi-Spectral Targeting System-B (MTS-B) High Definition (HD), Airborne Signals Intelligence Payload-2C (ASIP-2C), Blue Moon, Technology Insertion, Extended Range MQ-9, MQ-9 Low Cost Mods, MQ-9 Field, Lynx SAR, GCS Blk 30, Reliability and Maintainability (R&M) enhancements, Communication Enhancements, and Anti-ice.

The program has been funded to latest Service cost estimate.

This program has associated Research, Development Test and Evaluation (RDT&E) AF funding in PEs 0305219F MQ-1 Predator, 0305206F Airborne Reconnaissance Systems, 0304260F Airborne SIGINT Enterprise, and associated APAF funding in PE 0305206F Airborne Reconnaissance Systems.

Funding for this exhibit contained in PE 0205219F.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0205219F

MDAP/MAIS Code(s): 424

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	110.744	238.360	102.970	-	102.970	104.102	128.052	205.537	160.998

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
GCS Blk 50	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Block 5	P40A		-	-	0.000	-	-	-	-	-	27.820	-	-	-	-	-	-	-	-	-
MTS-B HD	P40A		-	-	12.900	-	-	8.890	-	-	11.460	-	-	4.930	-	-	-	-	-	4.930
ASIP-2C	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Blue Moon	P40A		-	-	0.000	-	-	6.000	-	-	-	-	-	-	-	-	-	-	-	-
Technology Insertion	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Extended Range MQ-9	P40A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MQ-9 Low Cost Mods	P40A		-	-	0.000	-	-	2.000	-	-	2.000	-	-	2.000	-	-	-	-	-	2.000
9152 - MQ-9 Field	P3A		-	-	28.122	-	-	83.974	-	-	177.690	-	-	37.620	-	-	-	-	-	37.620
9154 - Lynx SAR	P3A		-	-	-	-	-	-	-	-	-	-	-	34.480	-	-	-	-	-	34.480
9155 - GCS Blk 30	P3A		-	-	64.180	-	-	-	-	-	3.580	-	-	7.020	-	-	-	-	-	7.020
9159 - R&M enhancements	P3A		-	-	-	-	-	9.880	-	-	15.810	-	-	6.030	-	-	-	-	-	6.030
9162 - Communication Enhancements	P3A		-	-	-	-	-	-	-	-	-	-	-	5.370	-	-	-	-	-	5.370
9165 - Anti-Ice	P3A		-	-	-	-	-	-	-	-	-	-	-	5.520	-	-	-	-	-	5.520
Total Gross/Weapon System Cost					**105.202**			**110.744**			**238.360**			**102.970**			**-**			**102.970**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
GCS Blk 50	P40A		-	-	19.680	-	-	51.890	-	-	26.740	-	-	86.510	-	-	235.350	-	-	420.170
Block 5	P40A		-	-	6.880	-	-	-	-	-	-	-	-	-	-	-	620.570	-	-	655.270
MTS-B HD	P40A		-	-	1.990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.170
ASIP-2C	P40A		-	-	3.500	-	-	4.760	-	-	4.860	-	-	4.950	-	-	-	-	-	18.070
Blue Moon	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.000

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
PRDTB2 - MQ-9 Mods

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0205219F

MDAP/MAIS Code(s): 424

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Technology Insertion	P40A		-	-	-	-	-	-	-	-	32.890	-	-	25.230	-	-	173.550	-	-	231.670
Extended Range MQ-9	P40A		-	-	5.680	-	-	24.890	-	-	81.910	-	-	15.680	-	-	-	-	-	128.160
MQ-9 Low Cost Mods	P40A		-	-	2.000	-	-	2.000	-	-	2.000	-	-	2.000	-	-	42.000	-	-	56.000
9152 - MQ-9 Field	P3A		-	-	17.550	-	-	9.022	-	-	5.907	-	-	0.430	-	-	-	-	-	360.315
9154 - Lynx SAR	P3A		-	-	23.360	-	-	25.380	-	-	27.080	-	-	16.060	-	-	-	-	-	126.360
9155 - GCS Blk 30	P3A		-	-	1.240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76.020
9159 - R&M enhancements	P3A		-	-	5.702	-	-	6.080	-	-	7.270	-	-	6.848	-	-	71.420	-	-	129.040
9162 - Communication Enhancements	P3A		-	-	5.830	-	-	1.830	-	-	16.880	-	-	3.290	-	-	-	-	-	33.200
9165 - Anti-Ice	P3A		-	-	10.690	-	-	2.200	-	-	-	-	-	-	-	-	-	-	-	18.410
Total Gross/Weapon System Cost					**104.102**			**128.052**			**205.537**			**160.998**			**1,142.890**			**2,298.855**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9152 - MQ-9 Field
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

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)*	28.122	83.974	177.690	37.620	-	37.620	17.550	9.022	5.907	0.430	-	360.315
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	28.122	83.974	177.690	37.620	-	37.620	17.550	9.022	5.907	0.430	-	360.315
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**28.122**	**83.974**	**177.690**	**37.620**	**-**	**37.620**	**17.550**	**9.022**	**5.907**	**0.430**	**-**	**360.315**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 modification is a portion of the field retrofit program that upgrades Block 1 MQ-9 aircraft with some select Block 5 capabilities and utilizes a field team to perform the modification. Upgrades that are part of this modification include, but are not limited to, High Definition (HD) aircraft upgrades, laser altimeter, BRU-71 bomb racks, landing gear, VORTEX encrypted datalink, Stores Management System (SMS), and Selective Availability Anti-Spoofing Module (SAASM). Field retrofits may also include communications, sensors, weapons and other upgrades as required to meet urgent operational needs. Urgent operational needs could include modifications to support anti-ice and extended range capabilities.

Equipment quantities only reflect the Main Landing Gear (MLG) modifications. Beginning in FY15, quantity number is zero because MLG mods are complete. The associated costs, however, reflect all costs associated with the multiple elements (e.g. HD aircraft upgrades, laser altimeter, BRU-71 racks, etc.) of the MQ-9 field retrofits.

Quantities listed are an estimate and will adjust based on negotiated pricing.

Milestone/Development Status

Critical Design Review (CDR) completed Apr 11.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9152 - MQ-9 Field
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9152 - MQ-9 Field
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

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												
MQ-9 Field												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	20 / 2.812	32 / 7.959	32 / 5.648	26 / 3.426	- / -	26 / 3.426	- / 1.210	- / 0.402	- / 0.252	- / 0.043	- / -	110 / 21.752
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*20 / 2.812*	*32 / 7.959*	*32 / 5.648*	*26 / 3.426*	*- / -*	*26 / 3.426*	*- / 1.210*	*- / 0.402*	*- / 0.252*	*- / 0.043*	*- / -*	*110 / 21.752*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	20 / 25.310	32 / 71.707	32 / 50.836	26 / 30.814	- / -	26 / 30.814	- / 10.900	- / 3.640	- / 2.265	- / 0.387	- / -	110 / 195.859
Subtotal Recurring	*20 / 25.310*	*32 / 71.707*	*32 / 50.836*	*26 / 30.814*	*- / -*	*26 / 30.814*	*- / 10.900*	*- / 3.640*	*- / 2.265*	*- / 0.387*	*- / -*	*110 / 195.859*
Secondary Distribution												
AF	20 / 28.122	32 / 83.974	32 / 177.690	26 / 34.240	- / -	26 / 34.240	- / 12.110	- / 4.042	- / 2.517	- / 0.430	- / -	- / -
Total, MQ-9 Field	*20 / 28.122*	*32 / 79.666*	*32 / 56.484*	*26 / 34.240*	*- / -*	*26 / 34.240*	*- / 12.110*	*- / 4.042*	*- / 2.517*	*- / 0.430*	*- / -*	*110 / 217.611*
Total Procurement, All Modifications	*20 / 28.122*	*32 / 79.666*	*32 / 56.484*	*26 / 34.240*	*- / -*	*26 / 34.240*	*- / 12.110*	*- / 4.042*	*- / 2.517*	*- / 0.430*	*- / -*	*110 / 217.611*
Support												
CHANGE ORDERS	0 / 0.000	- / -	- / 112.770	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 112.770
OTHER GOVT	0 / 0.000	- / 4.308	- / 8.436	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.744
Total Support, All Modifications	*0.000*	*4.308*	*121.206*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*125.514*
Total Procurement and Support	*28.122*	*83.974*	*177.690*	*34.240*	*-*	*34.240*	*12.110*	*4.042*	*2.517*	*0.430*	*-*	*343.125*
MQ-9 Field Installation Cost	0 / 0.000	- / -	- / -	15 / 3.380	- / -	15 / 3.380	29 / 5.440	32 / 4.980	34 / 3.390	- / -	- / -	110 / 17.190
Total Installation Cost	*0 / 0.000*	*- / -*	*- / -*	*15 / 3.380*	*- / -*	*15 / 3.380*	*29 / 5.440*	*32 / 4.980*	*34 / 3.390*	*- / -*	*- / -*	*110 / 17.190*
Total Cost (Procurement + Support + Installation)	**28.122**	**83.974**	**177.690**	**37.620**	**-**	**37.620**	**17.550**	**9.022**	**5.907**	**0.430**	**-**	**360.315**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9152 - MQ-9 Field
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

Manufacturer Information: MQ-9 Field

Manufacturer Name: General Atomics-ASI	Manufacturer Location: Poway, CA
Administrative Leadtime *(in Months)*: 5	Production Leadtime *(in Months)*: 14

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

Installation: MQ-9 Field | **Method of Implementation:** Depot Field Team | **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	- / -	- / -	- / -	15 / 3.380	- / -	15 / 3.380	5 / 0.938	- / -	- / -	- / -	0 / 0.000	20 / 4.318
Secondary Distribution - Air Force Active	- / -	- / -	- / -	15 / 3.380	- / -	15 / 3.380	5 / 0.938	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	24 / 4.502	8 / 1.245	- / -	- / -	- / -	32 / 5.747
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	24 / 4.502	8 / 1.245	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 3.735	8 / 0.969	- / -	- / -	32 / 4.704
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 3.735	8 / 0.969	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 2.421	- / -	- / -	26 / 2.421
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 2.421	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	15 / 3.380	- / -	15 / 3.380	29 / 5.440	32 / 4.980	34 / 3.390	- / -	- / -	110 / 17.190
Secondary Distribution - Air Force Active	- / -	- / -	- / -	15 / 3.380	- / -	15 / 3.380	29 / 5.440	32 / 4.980	34 / 3.390	- / -	- / -	- / -

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	0	-	-	-	-	-	-	-	-	-	5	5	5	5	8	8	8	8	8	8	8	8	7	6	7	6	-	-	-	-	110
Out	0	-	-	-	-	-	-	-	-	-	5	5	5	5	8	8	8	8	8	8	8	8	7	6	7	6	-	-	-	-	110

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9154 - Lynx SAR
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

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)*	-	-	-	34.480	-	34.480	23.360	25.380	27.080	16.060	-	126.360
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	-	34.480	-	34.480	23.360	25.380	27.080	16.060	-	126.360
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**-**	**34.480**	**-**	**34.480**	**23.360**	**25.380**	**27.080**	**16.060**	**-**	**126.360**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 effort will retrofit fielded Lynx Block 20 Synthetic Apperture Radar (SAR) to the Block 20A Dual Beam capable SAR configuration. The Lynx Block 20A SAR will enhance fielded capability and provide ability to locate and track dismounted targets.

Quantities listed are an estimate and will adjust based on negotiated pricing.

Installation will be accomplished by organic manpower in the field.

Milestone/Development Status

Lynx Block 20A SAR has completed development. The initial Dismount Moving Target Indicator (DMTI) software was released in Jun 11 and began characterization during manned surrogate flights in Aug/Sep 11. The DMTI software is expected to begin Development Testing in mid 2013 with fielding anticipated in 2014.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9154 - Lynx SAR
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

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												
Lynx SAR												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	- / -	24 / 2.245	- / -	24 / 2.245	24 / 2.309	24 / 2.376	24 / 2.444	14 / 1.468	- / -	110 / 10.842
Subtotal Recurring	*0 / 0.000*	- / -	- / -	*24 / 2.245*	- / -	*24 / 2.245*	*24 / 2.309*	*24 / 2.376*	*24 / 2.444*	*14 / 1.468*	- / -	*110 / 10.842*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	- / -	24 / 23.155	- / -	24 / 23.155	24 / 18.301	24 / 20.634	24 / 20.266	14 / 13.192	- / -	110 / 95.548
Subtotal Recurring	*0 / 0.000*	- / -	- / -	*24 / 23.155*	- / -	*24 / 23.155*	*24 / 18.301*	*24 / 20.634*	*24 / 20.266*	*14 / 13.192*	- / -	*110 / 95.548*
Secondary Distribution												
AF	0 / 0.000	- / -	- / -	24 / 34.480	- / -	24 / 34.480	24 / 23.360	24 / 25.380	24 / 27.080	14 / 16.060	- / -	- / -
Total, Lynx SAR	*0 / 0.000*	- / -	- / -	*24 / 25.400*	- / -	*24 / 25.400*	*24 / 20.610*	*24 / 23.010*	*24 / 22.710*	*14 / 14.660*	- / -	*110 / 106.390*
Total Procurement, All Modifications	*0 / 0.000*	- / -	- / -	*24 / 25.400*	- / -	*24 / 25.400*	*24 / 20.610*	*24 / 23.010*	*24 / 22.710*	*14 / 14.660*	- / -	*110 / 106.390*
Support												
OTHER GOVT	0 / 0.000	- / -	- / -	- / 9.080	- / -	- / 9.080	- / 2.750	- / 2.370	- / 4.370	- / 1.400	- / -	- / 19.970
Total Support, All Modifications	*0.000*	-	-	*9.080*	-	*9.080*	*2.750*	*2.370*	*4.370*	*1.400*	-	*19.970*
Total Procurement and Support	*0.000*	-	-	*34.480*	-	*34.480*	*23.360*	*25.380*	*27.080*	*16.060*	-	*126.360*
Total Installation Cost	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**34.480**	**-**	**34.480**	**23.360**	**25.380**	**27.080**	**16.060**	**-**	**126.360**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9154 - Lynx SAR
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

Manufacturer Information: Lynx SAR

Manufacturer Name: General Atomics-ASI	Manufacturer Location: Poway, CA
Administrative Leadtime *(in Months)*: 13	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			Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018

Installation: Lynx SAR	**Method of Implementation:** Org/Intermediate	**Installation Quantity:** 0

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9155 - GCS Blk 30
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

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)*	64.180	-	3.580	7.020	-	7.020	1.240	-	-	-	-	76.020
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	64.180	-	3.580	7.020	-	7.020	1.240	-	-	-	-	76.020
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**64.180**	**-**	**3.580**	**7.020**	**-**	**7.020**	**1.240**	**-**	**-**	**-**	**-**	**76.020**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 Ground Control Station (GCS) Block 30 modernization retrofit program upgrades the Fixed, Mobile, Dual Control and Simulators with new LINUX processors, high defintion monitors, and ergonomic improvements.

Through an incremental approach, GCS modernization retrofits the legacy system with user-prioritized capabilities, to include significant Human-Machine Interface (HMI) improvements and reliability and maintenance enhancements.

Unit costs vary due to the mix of Fixed, Mobile, Dual Control and Simulator retrofits, all of which have varying costs.

Milestone/Development Status

GCS Block 30 Critical Design Review completed Apr 11.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9155 - GCS Blk 30
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

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												
GCS Blk 30												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	77 / 6.418	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	77 / 6.418
Subtotal Recurring	*77 / 6.418*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*77 / 6.418*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	77 / 57.762	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	77 / 57.762
Subtotal Recurring	*77 / 57.762*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*77 / 57.762*
Secondary Distribution												
AF	77 / 64.180	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total, GCS Blk 30	*77 / 64.180*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*77 / 64.180*
Total Procurement, All Modifications	*77 / 64.180*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*77 / 64.180*
Total Procurement and Support	*64.180*	-	-	-	-	-	-	-	-	-	-	*64.180*
GCS Blk 30 Installation Cost	0 / 0.000	- / -	27 / 3.580	44 / 7.020	- / -	44 / 7.020	6 / 1.240	- / -	- / -	- / -	- / -	77 / 11.840
Total Installation Cost	*0 / 0.000*	- / -	*27 / 3.580*	*44 / 7.020*	- / -	*44 / 7.020*	*6 / 1.240*	- / -	- / -	- / -	- / -	*77 / 11.840*
Total Cost (Procurement + Support + Installation)	**64.180**	**-**	**3.580**	**7.020**	**-**	**7.020**	**1.240**	**-**	**-**	**-**	**-**	**76.020**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9155 - GCS Blk 30
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

Manufacturer Information: GCS Blk 30

Manufacturer Name: General Atomics-ASI	Manufacturer Location: Poway, CA
Administrative Leadtime *(in Months)*: 16	Production Leadtime *(in Months)*: 16

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

Installation: GCS Blk 30	Method of Implementation: Depot Field Team	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	- / -	- / -	27 / 3.580	44 / 7.020	- / -	44 / 7.020	6 / 1.240	- / -	- / -	- / -	0 / 0.000	77 / 11.840
Secondary Distribution - Air Force Active	- / -	- / -	27 / 3.580	44 / 7.020	- / -	44 / 7.020	6 / 1.240	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	27 / 3.580	44 / 7.020	- / -	44 / 7.020	6 / 1.240	- / -	- / -	- / -	- / -	77 / 11.840
Secondary Distribution - Air Force Active	- / -	- / -	27 / 3.580	44 / 7.020	- / -	44 / 7.020	6 / 1.240	- / -	- / -	- / -	- / -	- / -

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	0	-	-	-	-	-	12	15	11	11	11	11	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77
Out	0	-	-	-	-	-	-	12	15	11	11	11	11	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9159 - R&M enhancements
Models of Systems Affected: MQ-9	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0205219F

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)*	-	9.880	15.810	6.030	-	6.030	5.702	6.080	7.270	6.848	71.420	129.040
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	9.880	15.810	6.030	-	6.030	5.702	6.080	7.270	6.848	71.420	129.040
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**9.880**	**15.810**	**6.030**	**-**	**6.030**	**5.702**	**6.080**	**7.270**	**6.848**	**71.420**	**129.040**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 purpose of this effort is to enable reliability and maintainability (R&M) modifications for the MQ-9 aircraft, sensor payloads, Ground Control Station (GCS), and Primary Mission Aircrew Training System (PMATS) that will improve component mean time between failure and maintenance action rate requirements in order to drive down system sustainabilty cost over time. Current examples of efforts include, but are not limited to, improved fuel bladder, fuel pump, and wing sump box, and, potentially, improved oil system sampling, new battery junction box, angle of attack probe and improved power inverter. This effort will also address R&M issues identified by the Joint Reliability and Maintainability Evaluation Team (JRMET) and CAT I deficiency reports.

The quantities of aircraft, payloads, GCSs, and PMATS modified will vary depending on the specific modification.

Note: Under this effort the contractor shall provide for the manufacture, installation, and acceptance test of reliability and maintainability modifications on to MQ-9 aircraft and ground based systems.

FY12 funds used for the following: Captive Fastener kits, A/B Probes, Fuel Pump kits, LED Wing Tip kits, and Fuel Bladders

Quantities listed are an estimate and will adjust based on negotiated pricing.

Milestone/Development Status

The MQ-9 program will continue to develop, test and recommend reliability, maintainability, availability, sustainability and safety enhancements and solutions for implementation on the MQ-9 platform and ground based systems in an effort to improve aircraft and payload availability and reduce lifecycle costs.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9159 - R&M enhancements
Models of Systems Affected: MQ-9	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0205219F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9159 - R&M enhancements
Models of Systems Affected: MQ-9	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0205219F

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												
R&M enhancements												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / 0.988	- / 1.581	- / 0.540	- / -	- / 0.540	- / 0.558	- / 0.598	- / 0.712	- / 0.666	- / 7.217	- / 12.860
Subtotal Recurring	*0 / 0.000*	*- / 0.988*	*- / 1.581*	*- / 0.540*	*- / -*	*- / 0.540*	*- / 0.558*	*- / 0.598*	*- / 0.712*	*- / 0.666*	*- / 7.217*	*- / 12.860*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / 8.892	- / 14.229	- / 5.490	- / -	- / 5.490	- / 5.144	- / 5.482	- / 6.558	- / 6.182	- / 64.203	- / 116.180
Subtotal Recurring	*0 / 0.000*	*- / 8.892*	*- / 14.229*	*- / 5.490*	*- / -*	*- / 5.490*	*- / 5.144*	*- / 5.482*	*- / 6.558*	*- / 6.182*	*- / 64.203*	*- / 116.180*
Secondary Distribution												
AF	0 / 0.000	- / 9.880	- / 15.810	- / 6.030	- / -	- / 6.030	- / 5.702	- / 6.080	- / 7.270	- / 6.848	- / -	- / -
Total, R&M enhancements	*0 / 0.000*	*- / 9.880*	*- / 15.810*	*- / 6.030*	*- / -*	*- / 6.030*	*- / 5.702*	*- / 6.080*	*- / 7.270*	*- / 6.848*	*- / 71.420*	*- / 129.040*
Total Procurement, All Modifications	*0 / 0.000*	*- / 9.880*	*- / 15.810*	*- / 6.030*	*- / -*	*- / 6.030*	*- / 5.702*	*- / 6.080*	*- / 7.270*	*- / 6.848*	*- / 71.420*	*- / 129.040*
Total Procurement and Support	*0.000*	*9.880*	*15.810*	*6.030*	*-*	*6.030*	*5.702*	*6.080*	*7.270*	*6.848*	*71.420*	*129.040*
Total Installation Cost	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total Cost (Procurement + Support + Installation)	**0.000**	**9.880**	**15.810**	**6.030**	**-**	**6.030**	**5.702**	**6.080**	**7.270**	**6.848**	**71.420**	**129.040**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9159 - R&M enhancements
Models of Systems Affected: MQ-9	**Type Modification:** Reliablity & Maintainability	**Related RDT&E PEs:** 0205219F

Manufacturer Information: R&M enhancements

Manufacturer Name: General Atomics ASI	Manufacturer Location: Poway CA
Administrative Leadtime *(in Months)*: 13	Production Leadtime *(in Months)*: 12

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

Installation: R&M enhancements	**Method of Implementation:** Org/Intermediate	**Installation Quantity:** 0

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9162 - Communication Enhancements
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

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)*	-	-	-	5.370	-	5.370	5.830	1.830	16.880	3.290	-	33.200
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	-	5.370	-	5.370	5.830	1.830	16.880	3.290	-	33.200
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**-**	**5.370**	**-**	**5.370**	**5.830**	**1.830**	**16.880**	**3.290**	**-**	**33.200**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

FY14-16 Buys/installs c-band diplexer A & B kits to the -10 Ground Data Terminal (GDTs) which will double the number of aircraft each GDT can support and enable operation in a KU degraded environment.

FY17-18 Buy/installs Fix Station SATCOM Terminals (FSST)8-16 Thread Conversion retrofit kits to double the capacity of Fix Station SATCOM Terminals (FSST) from 8 fully duplex communication threads to 16. Increasing the number of threads on a FSST will provide the capacity needed to meet the 65 Combat Air Patrol (CAP) requirement without adding additional SATCOM dishes to relay installations. Adding more dishes to the relay site would require significant MILCON to expand the facilities to host additional dishes. The less expensive and more practical option is to increase the capacity of FSST's via the Thread Conversion kits to meet CAP demand.

Quantities reflect purchase and installation of GDT fiber kits.

Quantities listed are an estimate and will adjust based on negotiated pricing.

Milestone/Development Status

The -10 GDT development is complete, with the final 37 GDT's delivering between now and Feb 13.

The retrofit kit that will upgrade a -10 GDT to a -14 is still under development, but is scheduled to go on contract by Oct 13.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9162 - Communication Enhancements
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9162 - Communication Enhancements
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

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												
Communication Enhancements												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	- / -	36 / 0.575	- / -	36 / 0.575	36 / 0.593	3 / 0.146	20 / 1.551	- / 0.316	- / -	95 / 3.181
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*36 / 0.575*	*- / -*	*36 / 0.575*	*36 / 0.593*	*3 / 0.146*	*20 / 1.551*	*- / 0.316*	*- / -*	*95 / 3.181*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	- / -	36 / 4.795	- / -	36 / 4.795	36 / 5.237	3 / 1.684	20 / 15.329	- / 2.974	- / -	95 / 30.019
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*36 / 4.795*	*- / -*	*36 / 4.795*	*36 / 5.237*	*3 / 1.684*	*20 / 15.329*	*- / 2.974*	*- / -*	*95 / 30.019*
Secondary Distribution												
AF	0 / 0.000	- / -	- / -	- / 5.370	- / -	- / 5.370	- / 5.830	- / 1.830	- / 16.880	- / 3.290	- / -	- / -
Total, Communication Enhancements	*0 / 0.000*	*- / -*	*- / -*	*- / 5.370*	*- / -*	*- / 5.370*	*- / 5.830*	*- / 1.830*	*- / 16.880*	*- / 3.290*	*- / -*	*- / 33.200*
Total Procurement, All Modifications	*0 / 0.000*	*- / -*	*- / -*	*- / 5.370*	*- / -*	*- / 5.370*	*- / 5.830*	*- / 1.830*	*- / 16.880*	*- / 3.290*	*- / -*	*- / 33.200*
Total Procurement and Support	*0.000*	*-*	*-*	*5.370*	*-*	*5.370*	*5.830*	*1.830*	*16.880*	*3.290*	*-*	*33.200*
Total Installation Cost	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**5.370**	**-**	**5.370**	**5.830**	**1.830**	**16.880**	**3.290**	**-**	**33.200**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9162 - Communication Enhancements
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

Manufacturer Information: Communication Enhancements

Manufacturer Name: General Atomics ASI	Manufacturer Location: Poway CA
Administrative Leadtime *(in Months)*: 13	Production Leadtime *(in Months)*: 8

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

Installation: Communication Enhancements	**Method of Implementation:** Org/Intermediate	**Installation Quantity:** 0

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9165 - Anti-Ice
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

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)*	-	-	-	5.520	-	5.520	10.690	2.200	-	-	-	18.410
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	-	5.520	-	5.520	10.690	2.200	-	-	-	18.410
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**-**	**5.520**	**-**	**5.520**	**10.690**	**2.200**	**-**	**-**	**-**	**18.410**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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:

An anti-ice capabiity is being developed to allow the MQ-9 to detect and transit light icing conditions. This capability will involve wing and tail modifications as well as turbine inlet heating.

Quantities listed are an estimate and will adjust based on negotiated pricing.

Milestone/Development Status

Initial development of anti-ice system is complete for Block 1 MQ-9 with planned flight test Jan-Feb 13. USAF MQ-9 will use same concept and design with slight modifications to accommodate for software, power, hardware location deltas between the Block 1 and Block 5 architectures.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9165 - Anti-Ice
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

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												
Anti-Ice												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	5 / 1.069	- / -	- / -	- / -	- / -	5 / 1.069
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	*5 / 1.069*	- / -	- / -	- / -	- / -	*5 / 1.069*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	5 / 9.621	- / -	- / -	- / -	- / -	5 / 9.621
Subtotal Recurring	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	*5 / 9.621*	- / -	- / -	- / -	- / -	*5 / 9.621*
Secondary Distribution												
AF	0 / 0.000	- / -	- / -	- / 5.520	- / -	- / 5.520	5 / 10.690	- / -	- / -	- / -	- / -	- / -
Total, Anti-Ice	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	*5 / 10.690*	- / -	- / -	- / -	- / -	*5 / 10.690*
Total Procurement, All Modifications	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	*5 / 10.690*	- / -	- / -	- / -	- / -	*5 / 10.690*
Support												
TOOLING	0 / 0.000	- / -	- / -	- / 5.520	- / -	- / 5.520	- / -	- / -	- / -	- / -	- / -	- / 5.520
Total Support, All Modifications	*0.000*	-	-	*5.520*	-	*5.520*	-	-	-	-	-	*5.520*
Total Procurement and Support	*0.000*	-	-	*5.520*	-	*5.520*	*10.690*	-	-	-	-	*16.210*
Anti-Ice Installation Cost	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.200	- / -	- / -	- / -	5 / 2.200
Total Installation Cost	*0 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	*5 / 2.200*	- / -	- / -	- / -	*5 / 2.200*
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**5.520**	**-**	**5.520**	**10.690**	**2.200**	**-**	**-**	**-**	**18.410**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB2 - MQ-9 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 9165 - Anti-Ice
Models of Systems Affected: MQ-9	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0205219F

Manufacturer Information: Anti-Ice

Manufacturer Name: General Atomics - ASI	Manufacturer Location: Poway, CA
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				Dec 2014			
Delivery Dates				Dec 2015			

Installation: Anti-Ice	Method of Implementation: Contractor Facility	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.200	- / -	- / -	- / -	5 / 2.200
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.200	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.200	- / -	- / -	- / -	5 / 2.200
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.200	- / -	- / -	- / -	- / -

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	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	5
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	5

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** PRDTB3 - MQ-9 UAS Payloads

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0305206F

MDAP/MAIS Code(s): 424

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)*	-	74.611	93.461	-	-	-	-	-	-	-	-	168.072
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	74.611	93.461	-	-	-	-	-	-	-	-	168.072
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**74.611**	**93.461**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**168.072**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	12.725	8.256	-	8.256	15.039	1.239	-	-	-	37.259
Flyaway Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 Gorgon Stare Quick Reaction Capability (QRC) initiative responds to and addresses an urgent operational need by equipping combatant commanders with broad area sensor capabilities that initially will be flown on specially modified MQ-9 Reapers, with the potential to migrate to other manned and unmanned aircraft as development and requirements allow and evolve. The podded broad area sensor system will provide a city-sized surveillance capability. The Joint Requirements Oversight Council Memorandum (JROCM) 106-08, dated 27 May 2008, approved the Air Force concept for a broad area airborne surveillance program plan to address Service requirements for wide field of view sensors on existing manned and unmanned aircraft system platforms.

This podded system's incremental strategy allows for incorporation of emerging technology advancements and lessons learned from deployed operational systems into product improvements and multi-INT capabilities integration for future increments and employment of the Gorgon Stare QRC concept.

Modification funding for the Gorgon Stare QRC will be appropriated and managed through the 645th Aeronautical Systems Group (AESG, BIG SAFARI Systems Program Office), Program Executive Officer for Intelligence, Surveillance and Reconnaissance and Special Operations Forces (AF PEO/ISR&SOF) Directorate, Air Force Life Cycle Management Center (AFLCMC), Air Force Materiel Command (AFMC). Modification funds will build sensor suites and support equipment for installation on specially modified MQ-9 Reaper RPAs and associated ground stations supporting Processing, Exploitation, and Dissemination (PED). The procurement funds will also be used for program management and support costs associated with these modification efforts.

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

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
PRDTB3 - MQ-9 UAS Payloads

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0305206F

MDAP/MAIS Code(s): 424

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	74.611	93.461	-	-	-	-	-	-	-

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Gorgon Stare	P40A		-	-	0.000	-	-	74.611	-	-	93.461	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost					**-**			**74.611**			**93.461**			**-**			**-**			**-**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
Gorgon Stare	P40A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	168.072
Total Gross/Weapon System Cost					**-**			**-**			**-**			**-**			**-**			**168.072**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** RQ4GCM - RQ-4 GSRA/CSRA Mods

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0305220F

MDAP/MAIS Code(s): 252

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)*	-	-	-	30.000	-	30.000	32.700	21.801	10.000	10.180	6.213	110.894
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	-	30.000	-	30.000	32.700	21.801	10.000	10.180	6.213	110.894
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**-**	**30.000**	**-**	**30.000**	**32.700**	**21.801**	**10.000**	**10.180**	**6.213**	**110.894**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 470006 includes Ground Segment and Communications System DMS/Obsolescence mitigation.

The Global Hawk System provides high altitude, deep look, long endurance intelligence, surveillance, and reconnaissance (ISR) capability that complements space and other airborne collectors during peacetime, crisis, and war-fighting scenarios.

The Global Hawk program will incorporate applicable synergies with other platforms, including the U.S. Navy Triton, USAF Predator/Reaper, and other UAV weapon systems.

The Global Hawk System will be continually modified to maintain pace with the evolving threat and the increasing capabilities included in modernization efforts. These planned modifications include aircraft, ground station and support retrofits to incorporate new capabilities or meet mandated equipment standards.

Funding procures hardware for both Ground Segment and Communication System DMS/Obsolescence mitigation; also funds the installation and integration costs associated with DMS efforts across both segments. Communication System DMS/Obsolescence mitigation will modify both the Aircraft and the Ground Segment.

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

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
RQ4GCM - RQ-4 GSRA/CSRA Mods

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0305220F

MDAP/MAIS Code(s): 252

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	-	-	30.000	-	30.000	32.700	21.801	10.000	10.180

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
470006 - RQ-4 GSRA/CSRA Mods	P3A		-	-	-	-	-	-	-	-	-	-	-	30.000	-	-	-	-	-	30.000
Total Gross/Weapon System Cost					**-**			**-**			**-**			**30.000**			**-**			**30.000**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
470006 - RQ-4 GSRA/CSRA Mods	P3A		-	-	32.700	-	-	21.801	-	-	10.000	-	-	10.180	-	-	6.213	-	-	110.894
Total Gross/Weapon System Cost					**32.700**			**21.801**			**10.000**			**10.180**			**6.213**			**110.894**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** RQ4GCM - RQ-4 GSRA/CSRA Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 470006 - RQ-4 GSRA/CSRA Mods
Models of Systems Affected: Block 10/20/30/40 Ground Stations and Comm Systems	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305220F

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)*	-	-	-	30.000	-	30.000	32.700	21.801	10.000	10.180	6.213	110.894
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	-	-	-	30.000	-	30.000	32.700	21.801	10.000	10.180	6.213	110.894
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**-**	**-**	**-**	**30.000**	**-**	**30.000**	**32.700**	**21.801**	**10.000**	**10.180**	**6.213**	**110.894**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 470006 includes Ground Segment and Communication System DMS/Obsolescence mitigation.

The Global Hawk System provides high altitude, deep look, long endurance intelligence, surveillance, and reconnaissance (ISR) capability that complements space and other airborne collectors during peacetime, crisis, and war-fighting scenarios.

The Global Hawk program will incorporate applicable synergies with other platforms, including the U.S. Navy Triton, USAF Predator/Reaper, and other UAV weapon systems.

The Global Hawk System will be continually modified to maintain pace with the evolving threat and the increasing capabilities included in modernization efforts. These planned modifications include aircraft, ground station and support retrofits to incorporate new capabilities or meet mandated equipment standards.

Funding procures hardware for both Ground Segment and Communication System DMS/Obsolescence mitigation; also funds the installation and integration costs associated with DMS efforts across both segments. Communication System DMS/Obsolescence mitigation will modify both the Aircraft and the Ground Segment.

DMS/Obsolescence Mitigation efforts will be conducted on 15 Total Aircraft, 3 Mission Control Elements (MCE), 6 Launch and Recovery Elements (LRE) and 3 Communications Automatic Test Equipment Carts (CATE). Ground Segment and Commnication Hardware needed to be procured includes, but not limited to, radios, modems, circuit boards and cards, power supplies and display units.

Milestone/Development Status

Ground Segment and Communication System DMS/Obsolescence mitigation

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** RQ4GCM - RQ-4 GSRA/CSRA Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 470006 - RQ-4 GSRA/CSRA Mods
Models of Systems Affected: Block 10/20/30/40 Ground Stations and Comm Systems	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305220F

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** RQ4GCM - RQ-4 GSRA/CSRA Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 470006 - RQ-4 GSRA/CSRA Mods
Models of Systems Affected: Block 10/20/30/40 Ground Stations and Comm Systems	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305220F

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												
RQ-4 GSRA/CSRA Mods												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	0 / 0.000	- / -	- / -	7 / 1.500	- / -	7 / 1.500	7 / 1.635	5 / 1.090	3 / 0.500	3 / 0.509	2 / 0.311	27 / 5.545
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*7 / 1.500*	*- / -*	*7 / 1.500*	*7 / 1.635*	*5 / 1.090*	*3 / 0.500*	*3 / 0.509*	*2 / 0.311*	*27 / 5.545*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	- / -	- / -	7 / 24.000	- / -	7 / 24.000	7 / 26.160	5 / 17.441	3 / 8.000	3 / 8.144	2 / 4.970	27 / 88.715
Subtotal Recurring	*0 / 0.000*	*- / -*	*- / -*	*7 / 24.000*	*- / -*	*7 / 24.000*	*7 / 26.160*	*5 / 17.441*	*3 / 8.000*	*3 / 8.144*	*2 / 4.970*	*27 / 88.715*
Secondary Distribution												
AF	0 / 0.000	- / -	- / -	7 / 25.500	- / -	7 / 25.500	7 / 27.795	5 / 18.531	3 / 8.500	3 / 8.653	- / -	- / -
Total, RQ-4 GSRA/CSRA Mods	*0 / 0.000*	*- / -*	*- / -*	*7 / 25.500*	*- / -*	*7 / 25.500*	*7 / 27.795*	*5 / 18.531*	*3 / 8.500*	*3 / 8.653*	*2 / 5.281*	*27 / 94.260*
Total Procurement, All Modifications	*0 / 0.000*	*- / -*	*- / -*	*7 / 25.500*	*- / -*	*7 / 25.500*	*7 / 27.795*	*5 / 18.531*	*3 / 8.500*	*3 / 8.653*	*2 / 5.281*	*27 / 94.260*
Support												
OTHER GOVT	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total Support, All Modifications	*0.000*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*
Total Procurement and Support	*0.000*	*-*	*-*	*25.500*	*-*	*25.500*	*27.795*	*18.531*	*8.500*	*8.653*	*5.281*	*94.260*
RQ-4 GSRA/CSRA Mods Installation Cost	0 / 0.000	- / -	- / -	7 / 4.500	- / -	7 / 4.500	7 / 4.905	5 / 3.270	3 / 1.500	3 / 1.527	2 / 0.932	27 / 16.634
Total Installation Cost	*0 / 0.000*	*- / -*	*- / -*	*7 / 4.500*	*- / -*	*7 / 4.500*	*7 / 4.905*	*5 / 3.270*	*3 / 1.500*	*3 / 1.527*	*2 / 0.932*	*27 / 16.634*
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**30.000**	**-**	**30.000**	**32.700**	**21.801**	**10.000**	**10.180**	**6.213**	**110.894**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** RQ4GCM - RQ-4 GSRA/CSRA Mods	**Modification Nomenclature** (*Modification Number - Modification Title*): 470006 - RQ-4 GSRA/CSRA Mods
Models of Systems Affected: Block 10/20/30/40 Ground Stations and Comm Systems	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305220F

Manufacturer Information: RQ-4 GSRA/CSRA Mods

Manufacturer Name: Northrop Grumman	Manufacturer Location: CA
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			Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017
Delivery Dates			May 2014	May 2015	May 2016	May 2017	May 2018

Installation: RQ-4 GSRA/CSRA Mods	**Method of Implementation:** Combination	**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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	7 / 4.500	- / -	7 / 4.500	- / -	- / -	- / -	- / -	- / -	7 / 4.500
Secondary Distribution - Air Force Active	- / -	- / -	- / -	7 / 4.500	- / -	7 / 4.500	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	7 / 4.905	- / -	- / -	- / -	- / -	7 / 4.905
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	7 / 4.905	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.270	- / -	- / -	- / -	5 / 3.270
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.270	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.500	- / -	- / -	3 / 1.500
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.500	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.527	- / -	3 / 1.527
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.527	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.932	2 / 0.932
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	7 / 4.500	- / -	7 / 4.500	7 / 4.905	5 / 3.270	3 / 1.500	3 / 1.527	2 / 0.932	27 / 16.634
Secondary Distribution - Air Force Active	- / -	- / -	- / -	7 / 4.500	- / -	7 / 4.500	7 / 4.905	5 / 3.270	3 / 1.500	3 / 1.527	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		**Date:** April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** RQ4GCM - RQ-4 GSRA/CSRA Mods	**Modification Nomenclature** (*Modification Number - Modification Title*): 470006 - RQ-4 GSRA/CSRA Mods
Models of Systems Affected: Block 10/20/30/40 Ground Stations and Comm Systems	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0305220F

Installation: RQ-4 GSRA/CSRA Mods	**Method of Implementation:** Combination	**Installation Name:**

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	0	-	-	-	-	-	-	-	-	-	-	3	4	-	-	3	4	-	-	2	3	-	-	1	2	-	-	1	2	2	27
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	3	4	-	-	3	4	-	-	2	3	-	-	1	2	-	-	5	27

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Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force	Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** V02200 - CV-22 Mods

ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0401318F

MDAP/MAIS Code(s): 212

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)*	84.866	17.657	23.881	23.310	-	23.310	101.355	70.959	73.241	74.522	305.076	774.867
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	84.866	17.657	23.881	23.310	-	23.310	101.355	70.959	73.241	74.522	305.076	774.867
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**84.866**	**17.657**	**23.881**	**23.310**	**-**	**23.310**	**101.355**	**70.959**	**73.241**	**74.522**	**305.076**	**774.867**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *(Units in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 CV-22 is part of the V-22 Joint Program Office. The Navy is the lead service.

Funding for this exhibit is contained in PE 0401318F.

The CV-22 is a Special Operations Forces (SOF) variant of the the V-22 tiltrotor multi-mission aircraft. The CV-22 provides long range, high speed, critical capability to insert, extract, and resupply special operations forces into politically or militarily denied areas, not currently provided by any other existing aircraft. The primary modification budgeted in FY14 is the Block C/20 Upgrade. The designed service life is 10,000 flying hours over 30 years.

Secondary Distribution		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	17.657	23.881	23.310	-	23.310	101.355	70.959	73.241	74.522

Exhibit P-40, Budget Item Justification Sheet: PB 2014 Air Force | **Date:** April 2013

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Nomenclature:
V02200 - CV-22 Mods

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0401318F

MDAP/MAIS Code(s): 212

Item Schedule			Prior Years			FY 2012			FY 2013			FY 2014 Base			FY 2014 OCO			FY 2014 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
BLOCK B UPGRADE	P40A		-	-	67.893	-	-	5.619	-	-	3.315	-	-	0.376	-	-	-	-	-	0.376
LOW COST MODIFICATIONS	P40A		-	-	8.573	-	-	1.999	-	-	1.917	-	-	1.999	-	-	-	-	-	1.999
8790 - Block 20 Upgrade	P3A		-	-	8.400	-	-	10.039	-	-	18.649	-	-	20.935	-	-	-	-	-	20.935
Total Gross/Weapon System Cost					**84.866**			**17.657**			**23.881**			**23.310**			**-**			**23.310**

Item Schedule			FY 2015			FY 2016			FY 2017			FY 2018			To Complete			Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ M)	Qty (Each)	Total Cost ($ M)
BLOCK B UPGRADE	P40A		-	-	0.196	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77.399
LOW COST MODIFICATIONS	P40A		-	-	1.999	-	-	1.999	-	-	1.999	-	-	1.999	-	-	19.990	-	-	42.474
8790 - Block 20 Upgrade	P3A		-	-	99.160	-	-	68.960	-	-	71.242	-	-	72.523	-	-	285.086	-	-	654.994
Total Gross/Weapon System Cost					**101.355**			**70.959**			**73.241**			**74.522**			**305.076**			**774.867**

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** V02200 - CV-22 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 8790 - Block 20 Upgrade
Models of Systems Affected: CV-22	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401318F

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)*	8.400	10.039	18.649	20.935	-	20.935	99.160	68.960	71.242	72.523	285.086	654.994
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	8.400	10.039	18.649	20.935	-	20.935	99.160	68.960	71.242	72.523	285.086	654.994
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**8.400**	**10.039**	**18.649**	**20.935**	**-**	**20.935**	**99.160**	**68.960**	**71.242**	**72.523**	**285.086**	**654.994**
(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 Millions)*	-	-	-	-	-	-	-	-	-	-	-	-

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 modification funds the retrofit of fielded CV-22 aircraft and trainers to Block C/20 configuration, and enhancement of self-deployment capability. The Block C/20 modification program will be implemented in several increments and includes, but is not limited to, efforts that (1) improve operational safety, suitability, and effectiveness, (2) correct deficiencies identified during operational testing and/or field operations, (3) improve reliability/maintainability of the aircraft, and (4) enhance defensive systems and self-deployment capabilities.

Block C/20 upgrades are being developed in successive increments, and each increment includes multiple different kits, contracted as separate engineering change proposals. Each kit is developed on a separate timeline and will be installed under this modification program when available. A few of the kits will be developed in time to be incorporated on a limited number of aircraft on the production line; the aircraft fielded earlier will be retrofitted with kits under this modification program. Some of the Block C/20 modifications will have to be retrofitted on the entire fleet of CV-22s. The number of kits to be retrofitted under the Block C/20 modification will total 1311. Only 832 of the 1311 kits require depot level installation and the install schedule reflects only those depot level installs. The other 479 kits will be installed by O-level (organizational level maintenance activity).

The first increment is expected to retrofit 34 aircraft and expected to include (but is not limited to) rehosting MV-22 Block C modifications on CV-22 and Communications Co-Site Interference program. These kits will be purchased FY2011 to FY2016 with installations FY2013 through FY2017.

A follow-on increment is expected to retrofit 43 aircraft and includes (but is not limited to) communications, situational awareness, and software. These kits will be purchased in FY2013 through FY2019 with installations FY2014 through FY2020.

The last increment is expected to retrofit the entire aircraft inventory of 50 aircraft and includes (but is not limited to) improvements to avionics architecture and improved communications/navigation systems. These kits will be purchased in FY2015 through FY2022 with installations FY2016 through 2024.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** V02200 - CV-22 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 8790 - Block 20 Upgrade
Models of Systems Affected: CV-22	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401318F

This modification also includes funds to upgrade support equipment, training devices and simulators. The CV-22 platform has Diminishing Manufacturing Sources (DMS) issues and funding is included in this budget line item for DMS resolution. This budget line item also includes funds to upgrade CV-22 weapon system software. Funding for DMS and software is included in the A-kit Nonrecurring Engineering cost category.

Milestone/Development Status

RDT&E is funding development activities for the Block C/20 configuration. The Block 20 development contract was awarded in Dec 2007 and is expected to continue through the 30 September 2015. The Block C/20 modification consists of three increments and each increment includes several modification upgrades (i.e., kit types). The Blk 20 Increment 1 RDT&E is complete. The upgrades for Increments 2 and 3 are at various stages of development.

RDT&E funded by PE 0401318F.

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** V02200 - CV-22 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 8790 - Block 20 Upgrade
Models of Systems Affected: CV-22	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401318F

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)*
RDT&E PE #												
0401318F	0 / 45.919	- / 6.319	- / 14.132	- / 6.031	- / -	- / 6.031	- / 1.896	- / -	- / -	- / -	- / -	- / 74.297
Procurement												
Block 20 Upgrade												
A Kits												
Recurring												
INSTALL KITS Group A (Active)	14 / 8.400	70 / 7.149	92 / 13.313	187 / 8.360	- / -	187 / 8.360	219 / 28.470	111 / 22.559	191 / 34.842	129 / 38.982	298 / 132.502	1,311 / 294.577
INSTALL KITS Group A (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal Recurring	*14 / 8.400*	*70 / 7.149*	*92 / 13.313*	*187 / 8.360*	*- / -*	*187 / 8.360*	*219 / 28.470*	*111 / 22.559*	*191 / 34.842*	*129 / 38.982*	*298 / 132.502*	*1,311 / 294.577*
Non-Recurring												
KITS NONRECUR Group A (Active)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / 27.332	- / 24.639	- / 11.836	- / 13.193	- / 51.230	- / 128.230
Subtotal Non-Recurring	*0 / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 27.332*	*- / 24.639*	*- / 11.836*	*- / 13.193*	*- / 51.230*	*- / 128.230*
B Kits												
Recurring												
EQUIPMENT Group B (Active)	0 / 0.000	15 / 1.671	- / -	36 / 1.835	- / -	36 / 1.835	32 / 7.407	8 / 4.016	8 / 4.016	8 / 4.016	3 / 1.506	110 / 24.467
Subtotal Recurring	*0 / 0.000*	*15 / 1.671*	*- / -*	*36 / 1.835*	*- / -*	*36 / 1.835*	*32 / 7.407*	*8 / 4.016*	*8 / 4.016*	*8 / 4.016*	*3 / 1.506*	*110 / 24.467*
Secondary Distribution												
AF	14 / 8.400	70 / 10.039	92 / 15.489	187 / 17.289	- / -	187 / 17.289	219 / 95.896	111 / 64.066	191 / 68.681	129 / 69.617	- / -	- / -
AFNG	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total, Block 20 Upgrade	*14 / 8.400*	*70 / 8.820*	*92 / 13.313*	*187 / 10.195*	*- / -*	*187 / 10.195*	*219 / 63.209*	*111 / 51.214*	*191 / 50.694*	*129 / 56.191*	*298 / 185.238*	*1,311 / 447.274*
Total Procurement, All Modifications	*14 / 8.400*	*70 / 8.820*	*92 / 13.313*	*187 / 10.195*	*- / -*	*187 / 10.195*	*219 / 63.209*	*111 / 51.214*	*191 / 50.694*	*129 / 56.191*	*298 / 185.238*	*1,311 / 447.274*
Support												
SIM/TRAINER	0 / 0.000	- / 0.919	7 / 2.176	- / 1.907	- / -	- / 1.907	7 / 19.780	- / 2.600	4 / 7.391	- / 2.617	- / 20.526	18 / 57.916
SUPPORT- EQUIP	0 / 0.000	- / -	- / -	- / 0.153	- / -	- / 0.153	- / 7.373	- / 4.606	- / 4.838	- / 4.935	- / 20.746	- / 42.651
OTHER GOVT	0 / 0.000	- / 0.300	- / -	- / 5.034	- / -	- / 5.034	- / 5.534	- / 5.646	- / 5.758	- / 5.874	- / 24.693	- / 52.839
Total Support, All Modifications	*0.000*	*1.219*	*2.176*	*7.094*	*-*	*7.094*	*32.687*	*12.852*	*17.987*	*13.426*	*65.965*	*153.406*
Total Procurement and Support	*8.400*	*10.039*	*15.489*	*17.289*	*-*	*17.289*	*95.896*	*64.066*	*68.681*	*69.617*	*251.203*	*600.680*
Block 20 Upgrade Installation Cost	0 / 0.000	- / -	12 / 3.160	65 / 3.646	- / -	65 / 3.646	95 / 3.264	144 / 4.894	98 / 2.561	87 / 2.906	331 / 33.883	832 / 54.314
Total Installation Cost	*0 / 0.000*	*- / -*	*12 / 3.160*	*65 / 3.646*	*- / -*	*65 / 3.646*	*95 / 3.264*	*144 / 4.894*	*98 / 2.561*	*87 / 2.906*	*331 / 33.883*	*832 / 54.314*
Total Cost (Procurement + Support + Installation)	**8.400**	**10.039**	**18.649**	**20.935**	**-**	**20.935**	**99.160**	**68.960**	**71.242**	**72.523**	**285.086**	**654.994**

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** V02200 - CV-22 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 8790 - Block 20 Upgrade
Models of Systems Affected: CV-22	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401318F

Manufacturer Information: Block 20 Upgrade

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo, TX & Ridley Park, PA
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	Mar 2012	May 2013	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017
Delivery Dates	Mar 2013	May 2014	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018

Installation: Block 20 Upgrade	Method of Implementation: Combination	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	- / -	- / -	12 / 3.160	2 / 1.120	- / -	2 / 1.120	- / -	- / -	- / -	- / -	0 / 0.000	14 / 4.280
Secondary Distribution - Air Force Active	- / -	- / -	12 / 3.160	2 / 1.120	- / -	2 / 1.120	- / -	- / -	- / -	- / -	- / -	- / -
FY 2012	- / -	- / -	- / -	17 / 1.545	- / -	17 / 1.545	- / -	- / -	- / -	- / -	- / -	17 / 1.545
Secondary Distribution - Air Force Active	- / -	- / -	- / -	17 / 1.545	- / -	17 / 1.545	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	25 / 0.436	- / -	25 / 0.436	9 / 1.209	- / -	- / -	- / -	- / -	34 / 1.645
Secondary Distribution - Air Force Active	- / -	- / -	- / -	25 / 0.436	- / -	25 / 0.436	9 / 1.209	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	21 / 0.545	- / -	21 / 0.545	86 / 2.055	- / -	- / -	- / -	- / -	107 / 2.600
Secondary Distribution - Air Force Active	- / -	- / -	- / -	21 / 0.545	- / -	21 / 0.545	86 / 2.055	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	144 / 4.894	- / -	- / -	- / -	144 / 4.894
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	144 / 4.894	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	98 / 2.561	- / -	- / -	98 / 2.561
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	98 / 2.561	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	87 / 2.906	- / -	87 / 2.906
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	87 / 2.906	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	90 / 6.854	90 / 6.854
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	241 / 27.029	241 / 27.029
Secondary Distribution - Air Force Active	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	12 / 3.160	65 / 3.646	- / -	65 / 3.646	95 / 3.264	144 / 4.894	98 / 2.561	87 / 2.906	331 / 33.883	832 / 54.314
Secondary Distribution - Air Force Active	- / -	- / -	12 / 3.160	65 / 3.646	- / -	65 / 3.646	95 / 3.264	144 / 4.894	98 / 2.561	87 / 2.906	- / -	- / -

Exhibit P-3A, Individual Modification: PB 2014 Air Force		Date: April 2013
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	**P-1 Line Item Nomenclature:** V02200 - CV-22 Mods	**Modification Nomenclature (*Modification Number - Modification Title*):** 8790 - Block 20 Upgrade
Models of Systems Affected: CV-22	**Type Modification:** Capability Improvement	**Related RDT&E PEs:** 0401318F

Installation: Block 20 Upgrade	Method of Implementation: Combination	Installation Name:

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	0	-	-	-	-	-	-	-	12	16	16	16	17	24	24	24	23	36	36	36	36	24	24	25	25	21	22	22	22	331	832
Out	0	-	-	-	-	-	-	-	-	12	16	16	16	17	24	24	24	23	36	36	36	36	24	24	25	25	21	22	22	353	832

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