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**Department of Defense
Fiscal Year (FY) 2016 President's Budget Submission**

February 2015



Air Force

Justification Book Volume 1 of 1

Other Procurement, Air Force

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Air Force • President's Budget Submission FY 2016 • Procurement

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**Appropriation Language
Fiscal Year (FY) 2016 President's Budget Submission
Other Procurement, Air Force**

For procurement and modification of equipment (including ground guidance and electronic control equipment, and ground electronic and communication equipment), and supplies, materials, and spare parts therefor, not otherwise provided for; the purchase of passenger motor and expansion of public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and acquisition of land, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon, prior to approval of title; reserve plant and Government, contractor-owned equipment layaway, \$18,272,438,000 and overseas contingency operations, \$3,859,964,000 to remain available for obligation until September 30, 2018.

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Department of the Air Force
 FY 2016 President's Budget
 Exhibit P-1 FY 2016 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

28 Jan 2015

Appropriation -----	FY 2014 (Base & OCO) -----	FY 2015 Base Enacted -----	FY 2015 OCO Enacted -----	FY 2015 Total Enacted -----
Aircraft Procurement, Air Force	10,608,060	12,067,703	481,019	12,548,722
Missile Procurement, Air Force	4,310,213	4,626,015	136,189	4,762,204
Space Procurement, Air Force				
Procurement of Ammunition, Air Force	884,003	659,909	219,785	879,694
Other Procurement, Air Force	19,174,630	16,779,633	3,607,526	20,387,159
Total Department of the Air Force	34,976,906	34,133,260	4,444,519	38,577,779

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Department of the Air Force
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 (Dollars in Thousands)

28 Jan 2015

Appropriation -----	FY 2016 Base -----	FY 2016 OCO -----	FY 2016 Total -----
Aircraft Procurement, Air Force	15,657,769	128,900	15,786,669
Missile Procurement, Air Force	2,987,045	289,142	3,276,187
Space Procurement, Air Force	2,584,061		2,584,061
Procurement of Ammunition, Air Force	1,758,843	228,874	1,987,717
Other Procurement, Air Force	18,272,438	3,859,964	22,132,402
Total Department of the Air Force	41,260,156	4,506,880	45,767,036

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Department of the Air Force
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 Total Obligational Authority
 (Dollars in Thousands)

28 Jan 2015

Appropriation: Other Procurement, Air Force

Budget Activity -----	FY 2014 (Base & OCO) -----	FY 2015 Base Enacted -----	FY 2015 OCO Enacted -----	FY 2015 Total Enacted -----
02. Vehicular Equipment	125,441	124,555	33,743	158,298
03. Electronics and Telecommunications Equip	1,130,141	1,402,185	26,274	1,428,459
04. Other Base Maintenance and Support Equip	17,897,952	15,220,080	3,547,509	18,767,589
05. Spares and Repair Parts	21,096	32,813		32,813
Total Other Procurement, Air Force	19,174,630	16,779,633	3,607,526	20,387,159

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28 Jan 2015

Appropriation: Other Procurement, Air Force

Budget Activity -----	FY 2016 Base -----	FY 2016 OCO -----	FY 2016 Total -----
02. Vehicular Equipment	217,579		217,579
03. Electronics and Telecommunications Equip	1,810,006	35,418	1,845,424
04. Other Base Maintenance and Support Equip	16,184,990	3,824,546	20,009,536
05. Spares and Repair Parts	59,863		59,863
Total Other Procurement, Air Force	18,272,438	3,859,964	22,132,402

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Department of the Air Force
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28 Jan 2015

Appropriation: 3080F Other Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO) Quantity Cost	FY 2015 Base Enacted Quantity Cost	FY 2015 OCO Enacted Quantity Cost	FY 2015 Total Enacted Quantity Cost	S e c
-----	-----	-----	-----	-----	-----	-----	-
Budget Activity 02: Vehicular Equipment							

Passenger Carrying Vehicles							
1	Passenger Carrying Vehicles	A	2,048	6,528		6,528	U
Cargo and Utility Vehicles							
2	Medium Tactical Vehicle	A	1,000	7,639		7,639	U
3	Cap Vehicles	A	946	1,700		1,700	U
4	Items Less Than \$5 Million	A	10,331	11,027	3,000	14,027	U
Special Purpose Vehicles							
5	Security And Tactical Vehicles	A	2,000	4,447		4,447	U
6	Items Less Than \$5 Million	A	5,308	693	1,878	2,571	U
Fire Fighting Equipment							
7	Fire Fighting/Crash Rescue Vehicles	A	23,794	10,152		10,152	U
Materials Handling Equipment							
8	Items Less Than \$5 Million	A	13,360	15,108	5,131	20,239	U
Base Maintenance Support							
9	Runway Snow Remov & Cleaning Equip	A	8,054	10,212	1,734	11,946	U
10	Items Less Than \$5 Million	A	58,600	57,049	22,000	79,049	U
Total Vehicular Equipment			125,441	124,555	33,743	158,298	

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 (Dollars in Thousands)

28 Jan 2015

Appropriation: 3080F Other Procurement, Air Force

Line		Ident	FY 2016		FY 2016		FY 2016	S
No	Item Nomenclature	Code	Base	Cost	OCO	Cost	Total	e
-----	-----	-----	Quantity	-----	Quantity	-----	Quantity	c
Budget Activity 02: Vehicular Equipment								

Passenger Carrying Vehicles								
1	Passenger Carrying Vehicles	A		8,834			8,834	U
Cargo and Utility Vehicles								
2	Medium Tactical Vehicle	A		58,160			58,160	U
3	Cap Vehicles	A		977			977	U
4	Items Less Than \$5 Million	A		12,483			12,483	U
Special Purpose Vehicles								
5	Security And Tactical Vehicles	A		4,728			4,728	U
6	Items Less Than \$5 Million	A		4,662			4,662	U
Fire Fighting Equipment								
7	Fire Fighting/Crash Rescue Vehicles	A		10,419			10,419	U
Materials Handling Equipment								
8	Items Less Than \$5 Million	A		23,320			23,320	U
Base Maintenance Support								
9	Runway Snow Remov & Cleaning Equip	A		6,215			6,215	U
10	Items Less Than \$5 Million	A		87,781			87,781	U
			-----		-----		-----	
Total Vehicular Equipment				217,579			217,579	

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28 Jan 2015

Appropriation: 3080F Other Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO) Quantity Cost	FY 2015 Base Enacted Quantity Cost	FY 2015 OCO Enacted Quantity Cost	FY 2015 Total Enacted Quantity Cost	S e c
----	-----	-----	-----	-----	-----	-----	-
Budget Activity 03: Electronics and Telecommunications Equip							

Comm Security Equipment(Comsec)							
11	Comsec Equipment	A	77,795	95,833		95,833	U
12	Modifications (COMSEC)	A	726	1,363		1,363	U
Intelligence Programs							
13	Intelligence Training Equipment	A	2,789	2,832		2,832	U
14	Intelligence Comm Equipment	A	39,875	32,329		32,329	U
15	Mission Planning Systems	A	11,915	15,649		15,649	U
Electronics Programs							
16	Air Traffic Control & Landing Sys	A	32,118	28,400		28,400	U
17	National Airspace System	A	11,652	6,291		6,291	U
18	Battle Control System - Fixed	A	14,412	2,704		2,704	U
19	Theater Air Control Sys Improvements	A	4,561	50,033		50,033	U
20	Weather Observation Forecast	A	16,171	16,309		16,309	U
21	Strategic Command And Control	A	22,723	139,984		139,984	U
22	Cheyenne Mountain Complex	A	23,431	20,101		20,101	U
23	Drug Interdiction Spt	A	32,768				U
24	Integrated Strat Plan & Analy Network (ISPAN)			9,060		9,060	U
Spcl Comm-Electronics Projects							
25	General Information Technology	A	32,776	39,095	3,857	42,952	U
26	AF Global Command & Control Sys	A	13,559	9,098		9,098	U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 28, 2015 at 07:25:38

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Appropriation: 3080F Other Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2016 Base Quantity	Cost	FY 2016 OCO Quantity	Cost	FY 2016 Total Quantity	Cost	S e c
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Budget Activity 03: Electronics and Telecommunications Equip -----									
Comm Security Equipment(Comsec)									
11	Comsec Equipment	A		136,998			136,998		U
12	Modifications (COMSEC)	A		677			677		U
Intelligence Programs									
13	Intelligence Training Equipment	A		4,041			4,041		U
14	Intelligence Comm Equipment	A		22,573			22,573		U
15	Mission Planning Systems	A		14,456			14,456		U
Electronics Programs									
16	Air Traffic Control & Landing Sys	A		31,823			31,823		U
17	National Airspace System	A		5,833			5,833		U
18	Battle Control System - Fixed	A		1,687			1,687		U
19	Theater Air Control Sys Improvements	A		22,710			22,710		U
20	Weather Observation Forecast	A		21,561			21,561		U
21	Strategic Command And Control	A		286,980			286,980		U
22	Cheyenne Mountain Complex	A		36,186			36,186		U
23	Drug Interdiction Spt	A							U
24	Integrated Strat Plan & Analy Network (ISPAN)			9,597			9,597		U
Spcl Comm-Electronics Projects									
25	General Information Technology	A		27,403		3,953	31,356		U
26	AF Global Command & Control Sys	A		7,212			7,212		U

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Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO) Quantity Cost	FY 2015 Base Enacted Quantity Cost	FY 2015 OCO Enacted Quantity Cost	FY 2015 Total Enacted Quantity Cost	S e c
----	-----	-----	-----	-----	-----	-----	-----
27	Mobility Command and Control	A	9,384	11,462		11,462	U
28	Air Force Physical Security System	A	43,238	37,426		37,426	U
29	Combat Training Ranges	A	18,431	59,634		59,634	U
30	Minimum Essential Emergency Comm N	A		1,289		1,289	U
31	C3 Countermeasures	A	11,551	11,508	900	12,408	U
32	Integrated Personnel and Pay System	A					U
33	GCSS-AF Fos	A	12,675	3,670		3,670	U
34	Defense Enterprise Accounting and Mgmt System	A		15,298		15,298	U
35	Theater Battle Mgt C2 System	A	7,387	9,561		9,561	U
36	Air & Space Operations Ctr-WPN SYS	A	26,880	25,701		25,701	U
37	Air Operations Center (AOC) 10.2						U
Air Force Communications							
38	Information Transport Systems	A	67,582	96,936		96,936	U
39	AFNET	A	81,533	90,487		90,487	U
40	Voice Systems	A	1,138				U
41	Joint Communications Support Element (JCSE)	A					U
42	USCENTCOM	A	18,108	16,342		16,342	U
Space Programs							
43	Family of Beyond Line-of-Sight Terminals	A		57,074		57,074	U
44	Space Based Ir Sensor Pgm Space	A	28,608	26,100		26,100	U
45	Navstar GPS Space	A	2,053	2,065		2,065	U

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Line No	Item Nomenclature	Ident Code	FY 2016 Base Quantity	Cost	FY 2016 OCO Quantity	Cost	FY 2016 Total Quantity	Cost	S e c
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27	Mobility Command and Control	A		11,062		2,000		13,062	U
28	Air Force Physical Security System	A		131,269				131,269	U
29	Combat Training Ranges	A		33,606				33,606	U
30	Minimum Essential Emergency Comm N	A		5,232				5,232	U
31	C3 Countermeasures	A		7,453				7,453	U
32	Integrated Personnel and Pay System	A		3,976				3,976	U
33	GCSS-AF Fos	A		25,515				25,515	U
34	Defense Enterprise Accounting and Mgmt System	A		9,255				9,255	U
35	Theater Battle Mgt C2 System	A		7,523				7,523	U
36	Air & Space Operations Ctr-WPN SYS	A		12,043				12,043	U
37	Air Operations Center (AOC) 10.2			24,246				24,246	U
Air Force Communications									
38	Information Transport Systems	A		74,621				74,621	U
39	AFNET	A		103,748				103,748	U
40	Voice Systems	A							U
41	Joint Communications Support Element (JCSE)	A		5,199				5,199	U
42	USCENTCOM	A		15,780		10,000		25,780	U
Space Programs									
43	Family of Beyond Line-of-Sight Terminals	A		79,592				79,592	U
44	Space Based Ir Sensor Pgm Space	A		90,190				90,190	U
45	Navstar GPS Space	A		2,029				2,029	U

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Total Obligational Authority
(Dollars in Thousands)

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Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO) Quantity Cost	FY 2015 Base Enacted Quantity Cost	FY 2015 OCO Enacted Quantity Cost	FY 2015 Total Enacted Quantity Cost	S e c
----	-----	-----	-----	-----	-----	-----	-
46	Nudet Detection Sys Space	A	4,415	4,656		4,656	U
47	AF Satellite Control Network Space	A	19,863	54,436		54,436	U
48	Spacelift Range System Space	A	90,806	62,538		62,538	U
49	Milsatcom Space	A	101,533	41,355	19,547	60,902	U
50	Space Mods Space	A	35,639	31,706		31,706	U
51	Counterspace System	A	8,041	59,439		59,439	U
Organization and Base							
52	Tactical C-E Equipment	A	69,657	50,077		50,077	U
53	Combat Survivor Evader Locator	A	8,428				U
54	Radio Equipment	A	12,341	14,846		14,846	U
55	CCTV/Audiovisual Equipment	A	7,949	3,635		3,635	U
56	Base Comm Infrastructure	A	63,118	89,519	1,970	91,489	U
Modifications							
57	Comm Elect Mods	A	42,512	56,344		56,344	U
Total Electronics and Telecommunications Equip			1,130,141	1,402,185	26,274	1,428,459	
Budget Activity 04: Other Base Maintenance and Support Equip							

Personal Safety & Rescue Equip							
58	Night Vision Goggles	A	3,640	12,577	765	13,342	U
59	Items Less Than \$5 Million	A	24,566	31,209		31,209	U
Depot Plant+Mtrls Handling Eq							
60	Mechanized Material Handling Equip	A	6,157	7,670		7,670	U

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Department of the Air Force
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Line No	Item Nomenclature	Ident Code	FY 2016 Base Quantity	Cost	FY 2016 OCO Quantity	Cost	FY 2016 Total Quantity	Cost	S e c
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
46	Nudet Detection Sys Space	A		5,095			5,095		U
47	AF Satellite Control Network Space	A		76,673			76,673		U
48	Spacelift Range System Space	A		113,275			113,275		U
49	Milsatcom Space	A		35,495			35,495		U
50	Space Mods Space	A		23,435			23,435		U
51	Counterspace System	A		43,065			43,065		U
Organization and Base									
52	Tactical C-E Equipment	A		77,538		4,065	81,603		U
53	Combat Survivor Evader Locator	A							U
54	Radio Equipment	A		8,400			8,400		U
55	CCTV/Audiovisual Equipment	A		6,144			6,144		U
56	Base Comm Infrastructure	A		77,010		15,400	92,410		U
Modifications									
57	Comm Elect Mods	A		71,800			71,800		U
Total Electronics and Telecommunications Equip				1,810,006		35,418	1,845,424		
Budget Activity 04: Other Base Maintenance and Support Equip									

Personal Safety & Rescue Equip									
58	Night Vision Goggles	A		2,370		3,580	5,950		U
59	Items Less Than \$5 Million	A		79,623		3,407	83,030		U
Depot Plant+Mtrls Handling Eq									
60	Mechanized Material Handling Equip	A		7,249			7,249		U

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Department of the Air Force
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28 Jan 2015

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Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO) Quantity Cost	FY 2015 Base Enacted Quantity Cost	FY 2015 OCO Enacted Quantity Cost	FY 2015 Total Enacted Quantity Cost	S e c
Base Support Equipment							
61	Base Procured Equipment	A	10,994	14,125	2,030	16,155	U
62	Engineering and EOD Equipment	A	15,736	16,744	99,590	116,334	U
63	Productivity Capital Investment	A	1,227	2,495		2,495	U
64	Mobility Equipment	A	77,859	13,073	107,361	120,434	U
65	Items Less Than \$5 Million	A	1,954	5,462	10,975	16,437	U
Special Support Projects							
67	DARP RC135	A	20,577	24,710		24,710	U
68	DCGS-AF	A	115,620	206,743		206,743	U
70	Special Update Program	A	451,385	537,370		537,370	U
71	Defense Space Reconnaissance Prog.	A	145,409	77,898	6,100	83,998	U
999	Classified Programs		17,022,828	14,270,004	3,320,688	17,590,692	U
Total Other Base Maintenance and Support Equip			17,897,952	15,220,080	3,547,509	18,767,589	
Budget Activity 05: Spares and Repair Parts							

Spares and Repair Parts							
73	Spares and Repair Parts	A	21,096	32,813		32,813	U
Total Spares and Repair Parts			21,096	32,813		32,813	
Total Other Procurement, Air Force			19,174,630	16,779,633	3,607,526	20,387,159	

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Line No	Item Nomenclature	Ident Code	FY 2016 Base Quantity	Cost	FY 2016 OCO Quantity	Cost	FY 2016 Total Quantity	Cost	S e c
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Base Support Equipment									
61	Base Procured Equipment	A		9,095			9,095		U
62	Engineering and EOD Equipment	A		17,866		46,790	64,656		U
63	Productivity Capital Investment	A							U
64	Mobility Equipment	A		61,850		400	62,250		U
65	Items Less Than \$5 Million	A		30,477		9,800	40,277		U
Special Support Projects									
67	DARP RC135	A		25,072			25,072		U
68	DCGS-AF	A		183,021			183,021		U
70	Special Update Program	A		629,371			629,371		U
71	Defense Space Reconnaissance Prog.	A		100,663		28,070	128,733		U
999	Classified Programs			15,038,333		3,732,499	18,770,832		U
Total Other Base Maintenance and Support Equip				16,184,990		3,824,546	20,009,536		
Budget Activity 05: Spares and Repair Parts									

Spares and Repair Parts									
73	Spares and Repair Parts	A		59,863			59,863		U
Total Spares and Repair Parts				59,863			59,863		
Total Other Procurement, Air Force				18,272,438		3,859,964	22,132,402		

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(Listing by Model)

Lookup Matrix by Model

Model:	IBS		
Modification P-40a Aggregated Items Title:		Integrated Broadcast Service (IBS)	
Item Number	Item Title		Applies to Multiple Models
Uncategorized			
1	Mod 1		No
2	Mod 2		No
3	Mod 3		No
4	Mod 4		No
5	Mod 5		No

Model:	Cheyenne Mountain Complex		
P-3a Individual Modifications			
Modification Number	Modification Title		Applies to Multiple Models
1	Mod - Mobile Consolidated Command Center Modification		No
001	Core C2 Enterprise Network Infrastructure and Mission Equipment		No

Model:	Joint Threat Emitter		
P-3a Individual Modifications			
Modification Number	Modification Title		Applies to Multiple Models
1	Combat Training Ranges Joint Threat Emitter		No

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Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	Combat Training Range	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
2	Combat Training Ranges UMTE	No

Model:	Air Force Satellite Control Network	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1	Remote Tracking Station Block Change (RBC)	No
2	Air Force Satellite Control Network Recapitalization Projects	No

Model:	Spacelift Range System Space	
Modification P-40a Aggregated Items Title:	Spacelift Range System Space	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	Modernization of Eastern Range Network (MEN)	No
2	Spacelift Range System Recapitalization Projects	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1	Western Range Modernization of Network (WMN)	No
2	Range Command Destruct Modernization (RCDM)	No

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Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	Operational Control Segment (OCS) Global Positioning System (GPS)	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1	NAVSTAR GPS-OCS COTS UPGRADE	No

Model:	PARCS Radar	
Modification P-40a Aggregated Items Title:	Submarine-Launched Ballistic Missile (SLBM) Radar Warning System	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	P-3A HEMP	No
2	P-3A PARCS DDG 2	No

Model:	Exelis	
Modification P-40a Aggregated Items Title:	Submarine-Launched Ballistic Missile (SLBM) Radar Warning System	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
3	P-3A PARCS MDP/MDSS Replacement	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1	P-3A PARCS Modification (formerly PARCS PARSS)	No

Model:	PAVE PAWS	
Modification P-40a Aggregated Items Title:	Submarine-Launched Ballistic Missile (SLBM) Radar Warning System	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		

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Exhibit P-1M, Procurement Programs - Modification Summary
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Model:	PAVE PAWS	
Modification P-40a Aggregated Items Title:	Submarine-Launched Ballistic Missile (SLBM) Radar Warning System	
Item Number	Item Title	Applies to Multiple Models
4	PAVE PAWS DP/SP	No
5	P-3A PAVE PAWS Modification (formerly PAVE PAWS Front End)	No

Model:	N/A	
Modification P-40a Aggregated Items Title:	Space Situation Awareness Operations	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	P-3A GEODSS	No
Modification P-40a Aggregated Items Title:	Ballistic Missile Early Warning System (BMEWS)	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	COBRA DANE Radar Mod	No
2	P-3A BMEWS Modification (formerly BMEWS Front End)	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1	High-Altitude Electromagnetic Pulse (HEMP) Protection Program	No
2	P-3A BMEWS DP/SP Suite Replacement (formerly SGI Replacement)	No

Model:	AN/FPS-117	
Modification P-40a Aggregated Items Title:	Atmospheric Early Warning System	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		

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Model:	AN/FPS-117	
Modification P-40a Aggregated Items Title:	Atmospheric Early Warning System	
Item Number	Item Title	Applies to Multiple Models
1	SC3I AEWS - FPS-117 EPRP	No

Model:	WSR-88D	
Modification P-40a Aggregated Items Title:	Weather Service	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	Next Generation Radar (NEXRAD) WSR-88D Upgrades	No
6	WSR-88D Next Generation Radar (NEXRAD) Service Life Extension	No
7	Next Generation Radar (NEXRAD) WSR-88D IT Refresh	No

Model:	Weather Data Analysis	
Modification P-40a Aggregated Items Title:	Weather Service	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
2	Numerical Weather Modeling	No
10	Weather Data Analysis	No

Model:	AN/FMQ-7	
Modification P-40a Aggregated Items Title:	Weather Service	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
3	AN/FMQ-7 Improved Solar Optical Observing Network (ISOON)	No

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Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	AN/UMQ-13	
Modification P-40a Aggregated Items Title:	Weather Service	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
4	AN/UMQ-13 MARK IV-B	No

Model:	AN/TMQ-53	
Modification P-40a Aggregated Items Title:	Weather Service	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
5	AN/TMQ-53 Tactical Meteorological Observing System (TMOS)	No

Model:	Joint Environmental Tool Kit	
Modification P-40a Aggregated Items Title:	Weather Service	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
8	Joint Environmental Toolkit (JET) Refresh	No

Model:	AN/FMQ-23	
Modification P-40a Aggregated Items Title:	Weather Service	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
9	AN/FMQ-23 Refresh	No

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Model:	Weather Service		
Modification P-40a Aggregated Items Title:		Weather Service	
Item Number	Item Title		Applies to Multiple Models
Uncategorized			
11	P-3A Low Cost Modifications		No

Model:	RSTN		
P-3a Individual Modifications			
Modification Number	Modification Title	Applies to Multiple Models	
1	Radio Solar Telescope Network Service Life Extension Program (RSTN SLEP)	Yes	

Model:	AN/FRR-95 (RIMS) & A/F24U-1 (SRS)		
P-3a Individual Modifications			
Modification Number	Modification Title	Applies to Multiple Models	
1	Radio Solar Telescope Network Service Life Extension Program (RSTN SLEP)	Yes	

Model:	AN/GRN-29 Instrument Landing System		
Modification P-40a Aggregated Items Title:		Air Traffic Control, Approach, and Landing System (ATCALs)	
Item Number	Item Title		Applies to Multiple Models
Uncategorized			
1	ATCALs AN/GRN-29 Instrument Landing System (PE 0305114F)		No

Model:	ATCALs		
Modification P-40a Aggregated Items Title:	Air Traffic Control, Approach, and Landing System (ATCALs)		
Item Number	Item Title		Applies to Multiple Models
Uncategorized			

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Model:	ATCALS	
Modification P-40a Aggregated Items Title:	Air Traffic Control, Approach, and Landing System (ATCALS)	
Item Number	Item Title	Applies to Multiple Models
2	ATCALS Low Cost Mods (PE 0305114F)	No

Model:	National Airspace System (NAS)	
Modification P-40a Aggregated Items Title:	National Airspace System (NAS) Plan	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	National Airspace System (NAS) Mod 1	No

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Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Funding (\$ M)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Exhibit P-40a										
Mod 1	-	2.616	2.642	1.548	-	1.548	3.741	3.354	2.500	2.573
Mod 2	-	3.108	3.167	3.167	-	3.167	3.167	3.133	3.167	3.262
Mod 3	-	1.274	1.298	0.816	-	0.816	1.298	1.300	1.298	1.337
Mod 4	-	2.063	2.102	2.102	-	2.102	2.102	2.276	2.102	2.165
Mod 5	-	1.060	1.873	1.873	-	1.873	1.873	1.873	1.873	1.929
Modernization of Eastern Range Network (MEN)	39.800	2.600	-	0.750	-	0.750	7.500	-	-	-
Spacelift Range System Recapitalization Projects	9.287	0.702	3.946	4.531	-	4.531	12.644	48.518	58.493	53.269
P-3A HEMP	-	12.854	-	-	-	-	-	-	-	-
P-3A PARCS DDG 2	-	0.308	1.000	-	-	-	-	-	-	-
P-3A PARCS MDP/MDSS Replacement	-	7.050	2.200	-	-	-	-	-	-	-
PAVE PAWS DP/SP	-	0.750	-	-	-	-	-	-	-	-
P-3A PAVE PAWS Modification (formerly PAVE PAWS Front End)	-	-	5.984	4.596	-	4.596	7.639	7.769	7.907	8.047
P-3A GEODSS	-	-	3.124	-	-	-	2.172	-	-	-
SC3I AEWS - FPS-117 EPRP	109.125	5.042	3.970	-	-	-	-	-	-	-
Next Generation Radar (NEXRAD) WSR-88D Upgrades	0.350	0.657	-	0.017	-	0.017	-	-	-	-
Numerical Weather Modeling	1.530	1.996	2.000	-	-	-	-	-	-	-
AN/FMQ-7 Improved Solar Optical Observing Network (ISOON)	-	-	-	-	-	-	1.500	-	-	-
AN/UMQ-13 MARK IV-B	2.256	1.500	3.000	-	-	-	1.500	1.500	1.500	1.527
AN/TMQ-53 Tactical Meteorological Observing System (TMOS)	0.822	-	-	-	-	-	-	-	-	-

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Exhibit P-1M, Procurement Programs - Modification Summary
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Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
WSR-88D Next Generation Radar (NEXRAD) Service Life Extension	-	-	2.073	2.665	-	2.665	4.896	4.808	3.055	3.110
Next Generation Radar (NEXRAD) WSR-88D IT Refresh	-	-	-	0.366	-	0.366	-	-	-	-
Joint Environmental Toolkit (JET) Refresh	-	-	-	0.500	-	0.500	2.178	2.026	1.823	1.856
AN/FMQ-23 Refresh	-	-	-	-	-	-	0.347	-	1.423	1.447
Weather Data Analysis	1.420	2.259	5.002	1.844	-	1.844	1.000	1.000	1.104	1.124
P-3A Low Cost Modifications	-	0.500	-	-	-	-	-	-	-	-
ATCALs AN/GRN-29 Instrument Landing System (PE 0305114F)	13.305	11.171	13.427	3.219	-	3.219	11.475	4.025	-	-
ATCALs Low Cost Mods (PE 0305114F)	1.763	2.741	1.141	0.761	-	0.761	1.414	1.355	1.218	1.239
National Airspace System (NAS) Mod 1	-	-	-	-	-	-	1.532	7.491	3.891	5.859
COBRA DANE Radar Mod	-	-	-	0.150	-	0.150	-	-	-	-
P-3A BMEWS Modification (formerly BMEWS Front End)	-	0.150	0.150	0.700	-	0.700	26.740	25.627	23.036	23.444
Exhibit P-3a										
Mod - Mobile Consolidated Command Center Modification	-	6.292	5.551	9.485	-	9.485	7.698	7.830	7.969	8.110
Core C2 Enterprise Network Infrastructure and Mission Equipment	-	17.139	14.550	26.701	-	26.701	20.930	21.251	21.628	22.011
Combat Training Ranges Joint Threat Emitter	-	-	-	2.000	-	2.000	3.651	3.184	3.326	-
Combat Training Ranges UMTE	-	-	-	7.000	-	7.000	-	-	-	-
Remote Tracking Station Block Change (RBC)	112.647	-	36.044	40.055	-	40.055	32.326	15.331	1.142	8.930
Air Force Satellite Control Network Recapitalization Projects	-	4.014	1.232	13.232	-	13.232	12.781	16.278	20.725	30.546
Western Range Modernization of Network (WMN)	24.700	38.400	-	39.480	-	39.480	35.780	8.180	1.880	1.880
Range Command Destruct Modernization (RCDM)	47.300	-	15.261	22.859	-	22.859	15.800	1.200	-	-

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Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
NAVSTAR GPS-OCS COTS UPGRADE	-	9.774	12.656	11.882	-	11.882	1.974	-	-	-
P-3A PARCS Modification (formerly PARCS PARSS)	-	-	-	4.783	-	4.783	7.950	8.087	8.230	8.376
Radio Solar Telescope Network Service Life Extension Program (RSTN SLEP)	-	-	-	3.100	-	3.100	-	0.800	-	-
High-Altitude Electromagnetic Pulse (HEMP) Protection Program	-	-	-	49.000	-	49.000	-	-	-	-
P-3A BMEWS DP/SP Suite Replacement (formerly SGI Replacement)	-	16.220	25.252	9.258	-	9.258	-	-	-	-
Totals (Total Obligation Authority)										
Total Obligation Authority	364.305	152.240	168.645	268.440	-	268.440	233.608	198.196	179.290	192.041

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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
APPN	- Appropriation
ATD	- Advanced Technology Development
BA	- Budget Activity
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
ECCM	- Electronic Counter Counter-Measures
ECM	- Electronic Counter Measures
ECO	- Engineering Change Orders
EOQ	- Economic Order Quantity
ECP	- Engineering Change Proposal
EPA	- Economic Price Adjustment
EW	- Electronic Warfare
EWASIP	- Electronic Warfare Avionics Integration Support Facility
FLIR	- Forward Looking Infra Red
FOT&E	- Follow-on Test and Evaluation

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FOC	- Fully Operational Capability
FLTS	- Flight Line Test Set
FPIF	- Fixed Price Incentive Firm
FPIS	- Fixed Price Incentive Fee, Successive Targets
FY	- Fiscal Year
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
MAIS	- Materiel Acquisition Integrated System
MDAP	- Major Defense Acquisition Program
METS	- Mobile Electronic Test Stations
MYP	- Multiyear Procurement
MSIP	- Multi-Stage Improvement Program
NAVWAR	- Navigation Warfare
NMC Rate	- Not Mission Capable Rate
OPF	- 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

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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 ACRONYMS

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
AFLCMC	- Air Force Life Cycle Management Center
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

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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
NATO	- North Atlantic Treaty Organization
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

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

CONTRACT METHOD / TYPE ACRONYMS

C - Competitive
BA - Basic Agreement
BOA - Basic Ordering Agreement
BPA - Blanket Purchasing Agreement
CS - Cost Sharing
IDDDQ - 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 - Unfinalized Contract Action
WP - Work Project

CONTRACTED BY ACRONYMS

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

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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
AFLCMC	- Air Force Life Cycle Management Center, Wright-Patterson AFB, OH
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
OBAN	- Operating Budget Account Number, 2-digit code for unit allocated funds

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 1: Passenger Carrying Vehicles								P-1 Line Item Number / Title: 821800 / Passenger Carrying Vehicles				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	2.048	6.528	8.834	-	8.834	13.529	13.758	14.003	14.252	-	72.952
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	2.048	6.528	8.834	-	8.834	13.529	13.758	14.003	14.252	-	72.952
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	2.048	6.528	8.834	-	8.834	13.529	13.758	14.003	14.252	-	72.952
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Description: Passenger Carrying Vehicles includes the procurement of sedans, station wagons, law enforcement sedans, ambulances and buses. These vehicles are general in nature, but they fulfill unique and distinct needs commensurate with their design. Sedans are available in compact, mid-size, and large, and are used to support a variety of functions and missions at all levels of the Air Force. A portion of these sedans is dedicated for use by the Office of Special Investigations (OSI) and a portion is procured as chase cars used to support U-2 aircraft operations. Station wagons are mid-sized vehicles which are primarily used to transport personnel and light cargo. They are mostly used in overseas locations and some high security areas located near missile installations. They are also used in the maintenance and flying operation areas to support aircraft sortie generation. Law Enforcement Sedans (LE Sedans) come equipped with a heavy-duty component package for law enforcement and security missions. Security forces personnel use this type of vehicle for emergency response, traffic control, patrol duties, and base security operations. Ambulances include both bus ambulances and modular ambulances that are used for medical evacuation operations. The bus ambulance is a 44 passenger bus converted to accommodate massive patient transport for medical emergency situations and humanitarian/disaster relief operations. The modular models are standard commercial ambulances that are available in 4x2 and 4x4 configurations. They are used for the movement of patients under field conditions, aircraft crash rescue operations, and routine transportation of patients to and from medical facilities. Buses include a variety of commercial vehicles that support a broad range of mass transit requirements. Bus sizes range from the 16 passenger shuttle bus to the 52 passenger bus. These vehicles support Air Education and Training Command (AETC) training units, Air Force band organizations, protocol offices, and several other missions. 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. Program elements associated with this P-1 Line are: 0202834F, 0207142F, 0207597F, 0305202F, 0502834F,0502844F, 0702831F.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force				Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 1: Passenger Carrying Vehicles			P-1 Line Item Number / Title: 821800 / Passenger Carrying Vehicles		
ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:		Other Related Program Elements:	

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.879	6.195	8.551	-	8.551	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.112	0.258	0.231	-	0.231	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.057	0.075	0.052	-	0.052	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.048	6.528	8.834	-	8.834	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 1: Passenger Carrying Vehicles				P-1 Line Item Number / Title: 821800 / Passenger Carrying Vehicles				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BUS, 23 PAX SURREY (2310-01-382-3919)	P-40a	A	- / -	- / -	- / -	1 / 0.275	- / -	1 / 0.275
PMA OTHER GOVERNMENT COSTS	P-40a	A	- / -	- / 0.009	- / 0.019	- / 0.004	- / -	- / 0.004
SUB COMPACT SEDAN (2310-01-434-2235)	P-40a	A	- / -	36 / 0.432	- / -	- / -	- / -	- / -
HYBRID SEDAN (2310-01-575-5380)	P-40a	A	- / -	- / -	28 / 0.784	- / -	- / -	- / -
L.E. SEDAN, UNITED STATES (2310-01-018-6668)	P-40a	A	- / -	39 / 0.874	28 / 0.672	51 / 1.326	- / -	51 / 1.326
HI PERFORMANCE SEDAN (2310-01-571-3859)	P-40a	A	- / -	6 / 0.220	11 / 0.473	- / -	- / -	- / -
AMB, 44 PAX CONV US (2310-00-289-9082)	P-40a	A	- / -	- / -	- / -	5 / 0.675	- / -	5 / 0.675
AMB, MOD 4X4 US (2310-01-125-9516)	P-40a	A	- / -	2 / 0.247	7 / 0.910	8 / 1.099	- / -	8 / 1.099
BUS, 16 PAX US (2310-01-186-2924)	P-40a	A	- / -	1 / 0.057	13 / 0.975	- / -	- / -	- / -
BUS, 28 PAX US (2310-01-357-8985)	P-40a	A	- / -	1 / 0.093	4 / 0.412	29 / 3.016	- / -	29 / 3.016
BUS, 41 PAX US (2310-00-877-5647)	P-40a	A	- / -	- / -	3 / 1.509	1 / 0.534	- / -	1 / 0.534
BUS, 44 PAX US (2310-01-357-8986)	P-40a	A	- / -	1 / 0.116	6 / 0.774	15 / 1.905	- / -	15 / 1.905
Total Gross/Weapon System Cost			- / -	- / 2.048	- / 6.528	- / 8.834	- / -	- / 8.834
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:

FY16 procurement dollars in the amount of \$8.834M will procure, but not be limited to, 110 vehicles in support of installation and unit mission requirements for Air Force personnel.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 1								P-1 Line Item Number / Title: 821800 / Passenger Carrying Vehicles							Aggregated Items Title: Passenger Carrying Vehicles					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
BUS, 23 PAX SURREY (2310-01-382-3919)	A		-	-	-	-	-	-	-	-	-	275,000.00	1	0.275	-	-	-	275,000.00	1	0.275
Secondary Distribution																				
AF				-	-		-	-		-	-		1	0.275		-	-		1	0.275
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	0.009	-	-	0.019	-	-	0.004	-	-	-	-	-	0.004
Secondary Distribution																				
AF				-	-		-	0.009		-	0.019		-	0.004		-	-		-	0.004
SUB COMPACT SEDAN (2310-01-434-2235)	A		-	-	-	12,000.00	36	0.432	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		36	0.432		-	-		-	-		-	-		-	-
HYBRID SEDAN (2310-01-575-5380)	A		-	-	-	-	-	-	28,000.00	28	0.784	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		28	0.784		-	-		-	-		-	-
L.E. SEDAN, UNITED STATES (2310-01-018-6668)	A		-	-	-	22,400.00	39	0.874	24,000.00	28	0.672	26,000.00	51	1.326	-	-	-	26,000.00	51	1.326
Secondary Distribution																				
AF				-	-		34	0.762		28	0.672		49	1.274		-	-		49	1.274
AFNG				-	-		5	0.112		-	-		-	-		-	-		-	-
AFR				-	-		-	-		-	-		2	0.052		-	-		2	0.052
HI PERFORMANCE SEDAN (2310-01-571-3859)	A		-	-	-	36,733.00	6	0.220	43,000.00	11	0.473	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		6	0.220		11	0.473		-	-		-	-		-	-
AMB, 44 PAX CONV US (2310-00-289-9082)	A		-	-	-	-	-	-	-	-	-	135,000.00	5	0.675	-	-	-	135,000.00	5	0.675
Secondary Distribution																				
AF				-	-		-	-		-	-		5	0.675		-	-		5	0.675
AMB, MOD 4X4 US (2310-01-125-9516)	A		-	-	-	123,500.00	2	0.247	130,000.00	7	0.910	137,375.00	8	1.099	-	-	-	137,375.00	8	1.099
Secondary Distribution																				
AF				-	-		2	0.247		7	0.910		8	1.099		-	-		8	1.099

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 1					P-1 Line Item Number / Title: 821800 / Passenger Carrying Vehicles										Aggregated Items Title: Passenger Carrying Vehicles				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
BUS, 16 PAX US (2310-01-186-2924)	A		-	-	-	57,000.00	1	0.057	75,000.00	13	0.975	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		-	-		12	0.900		-	-		-	-		-	-
AFR				-	-		1	0.057		1	0.075		-	-		-	-		-	-
BUS, 28 PAX US (2310-01-357-8985)	A		-	-	-	93,000.00	1	0.093	103,000.00	4	0.412	104,000.00	29	3.016	-	-	-	104,000.00	29	3.016
<i>Secondary Distribution</i>																				
AF				-	-		1	0.093		4	0.412		28	2.912		-	-		28	2.912
AFNG				-	-		-	-		-	-		1	0.104		-	-		1	0.104
BUS, 41 PAX US (2310-00-877-5647)	A		-	-	-	-	-	-	503,000.00	3	1.509	534,000.00	1	0.534	-	-	-	534,000.00	1	0.534
<i>Secondary Distribution</i>																				
AF				-	-		-	-		3	1.509		1	0.534		-	-		1	0.534
BUS, 44 PAX US (2310-01-357-8986)	A		-	-	-	116,000.00	1	0.116	129,000.00	6	0.774	127,000.00	15	1.905	-	-	-	127,000.00	15	1.905
<i>Secondary Distribution</i>																				
AF				-	-		1	0.116		4	0.516		14	1.778		-	-		14	1.778
AFNG				-	-		-	-		2	0.258		1	0.127		-	-		1	0.127
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	2.048	-	-	6.528	-	-	8.834	-	-	-	-	-	8.834
Total			-	-	-	-	-	2.048	-	-	6.528	-	-	8.834	-	-	-	-	-	8.834

Remarks:

UNIT COSTS FOR FY16 ARE SUBJECT TO CHANGE.

FY16 PMA Justification: PMA funds will be used for TDYs to General Motor and Ford facilities in Dearborn, MI for review of new Law Enforcement Sedan models.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 2: Cargo and Utility Vehicles	P-1 Line Item Number / Title: 822230 / Medium Tactical Vehicle
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	1.000	7.639	58.160	-	58.160	29.652	49.421	37.442	38.104	-	221.418
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	1.000	7.639	58.160	-	58.160	29.652	49.421	37.442	38.104	-	221.418
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	1.000	7.639	58.160	-	58.160	29.652	49.421	37.442	38.104	-	221.418
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Family of Medium Tactical Vehicles (FMTV) has the capability to operate in austere and adverse terrain. These important tactical assets are used by Combat Communication Units, Air Support Operation Squadrons (ASOS), Explosive Ordinance Disposal units (EOD), and other tactical direct mission support units throughout the Air Force. FMTVs are a class of M-Series Vehicles.

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 the exhibit contained in PEs 0202834F, 02023765F, 0502834F, 0502844F, and 0702831F.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.880	4.439	54.437	-	54.437	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.120	1.914	2.346	-	2.346	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	1.286	1.377	-	1.377	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.000	7.639	58.160	-	58.160	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 2: Cargo and Utility Vehicles					P-1 Line Item Number / Title: 822230 / Medium Tactical Vehicle			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
TRK, CGO, MTV, M1083A1P2, W/OUT WINCH (NSN: 2320-01-549-8610) ⁽¹⁾	P-40a	A	- / -	- / -	10 / 1.914	159 / 27.305	- / -	159 / 27.305
TRK, WRECKER, M1089A1P2 W/WINCH (NSN: 2320-01-552-7762) ⁽²⁾	P-40a	A	- / -	- / -	5 / 2.143	9 / 3.421	- / -	9 / 3.421
TRK, CGO, MTV, M1078A1P2, W/OUT WINCH (NSN: 2320-01-549-8611) ⁽³⁾	P-40a	A	- / -	- / -	17 / 2.873	158 / 27.171	- / -	158 / 27.171
TLR TK WTR, M149A1 (2330-00-060-6511)	P-40a	A	- / -	- / -	10 / 0.370	- / -	- / -	- / -
TLR, ISO CONTAINER M872 (2330-01-142-1385)	P-40a	A	- / -	7 / 0.426	- / -	4 / 0.259	- / -	4 / 0.259
TLR, 5T FLATBED, M843 (2330-00-210-8935)	P-40a	A	- / -	- / -	14 / 0.154	- / -	- / -	- / -
TLR, 2.5T CHS, M200 (2330-00-540-3950)	P-40a	A	- / -	31 / 0.372	22 / 0.176	- / -	- / -	- / -
PMA OTHER GOVERNMENT COSTS	P-40a	A	- / -	- / -	- / 0.009	- / 0.004	- / -	- / 0.004
PEO PMA ASSESSMENT	P-40a	A	- / -	- / 0.112	- / -	- / -	- / -	- / -
TRANS MORD	P-40a	A	- / -	- / 0.090	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / -	- / 1.000	- / 7.639	- / 58.160	- / -	- / 58.160
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
<p>Justification: FY16 procurement dollars in the amount of \$58.160M will procure, but is not limited to, 332 vehicles in support of the installation and unit mission requirements for Air Force personnel. Since the US Army uses FMTV extensively, their procurement is placed first, which delays the Air Force procurement and affects the delivery schedule of Air Force assets. This impacts the number and type of FMTV the Air Force is able to procure.</p> <p>Footnotes: (1) Quantities may change upon release of the Tactical Wheeled Vehicle Strategy. (2) Quantities may change upon release of the Tactical Wheeled Vehicle Strategy. (3) Quantities may change upon release of the Tactical Wheeled Vehicle Strategy.</p>								

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 2								P-1 Line Item Number / Title: 822230 / Medium Tactical Vehicle							Aggregated Items Title: Medium Tactical Vehicle					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
TRK, CGO, MTV, M1083A1P2, W/ OUT WINCH (NSN: 2320-01-549-8610) ⁽¹⁾	A		-	-	-	-	-	-	191,400.00	10	1.914	171,730.00	159	27.305	-	-	-	171,730.00	159	27.305
Secondary Distribution																				
AF				-	-		-	-		-	-		158	27.133		-	-		158	27.133
AFNG				-	-		-	-		10	1.914		-	-		-	-		-	-
AFR				-	-		-	-		-	-		1	0.172		-	-		1	0.172
TRK, WRECKER, M1089A1P2 W/ WINCH (NSN: 2320-01-552-7762) ⁽²⁾	A		-	-	-	-	-	-	428,600.00	5	2.143	380,144.44	9	3.421	-	-	-	380,144.44	9	3.421
Secondary Distribution																				
AF				-	-		-	-		2	0.857		-	-		-	-		-	-
AFNG				-	-		-	-		-	-		6	2.281		-	-		6	2.281
AFR				-	-		-	-		3	1.286		3	1.140		-	-		3	1.140
TRK, CGO, MTV, M1078A1P2, W/ OUT WINCH (NSN: 2320-01-549-8611) ⁽³⁾	A		-	-	-	-	-	-	169,000.00	17	2.873	171,968.35	158	27.171	-	-	-	171,968.35	158	27.171
Secondary Distribution																				
AF				-	-		-	-		17	2.873		158	27.171		-	-		158	27.171
TLR TK WTR, M149A1 (2330-00-060-6511)	A		-	-	-	-	-	-	37,000.00	10	0.370	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		10	0.370		-	-		-	-		-	-
TLR, ISO CONTAINER M872 (2330-01-142-1385)	A		-	-	-	60,857.00	7	0.426	-	-	-	64,660.00	4	0.259	-	-	-	64,660.00	4	0.259
Secondary Distribution																				
AF				-	-		7	0.426		-	-		2	0.129		-	-		2	0.129
AFNG				-	-		-	-		-	-		1	0.065		-	-		1	0.065
AFR				-	-		-	-		-	-		1	0.065		-	-		1	0.065
TLR, 5T FLATBED, M843 (2330-00-210-8935)	A		-	-	-	-	-	-	11,000.00	14	0.154	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		14	0.154		-	-		-	-		-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 2								P-1 Line Item Number / Title: 822230 / Medium Tactical Vehicle							Aggregated Items Title: Medium Tactical Vehicle				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
TLR, 2.5T CHS, M200 (2330-00-540-3950)	A		-	-	-	12,000.00	31	0.372	8,000.00	22	0.176	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		21	0.252		22	0.176		-	-		-	-		-	-
AFNG				-	-		10	0.120		-	-		-	-		-	-		-	-
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	-	-	-	0.009	-	-	0.004	-	-	-	-	-	0.004
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	0.009		-	0.004		-	-		-	0.004
PEO PMA ASSESSMENT	A		-	-	-	-	-	0.112	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		-	0.112		-	-		-	-		-	-		-	-
TRANS MORD	A		-	-	-	-	-	0.090	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		-	0.090		-	-		-	-		-	-		-	-
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	1.000	-	-	7.639	-	-	58.160	-	-	-	-	-	58.160
Total			-	-	-	-	-	1.000	-	-	7.639	-	-	58.160	-	-	-	-	-	58.160

Remarks:

Unit costs and quantities for FY16 are subject to change.

PMA Justification:

-- The Vehicle Transportation Acquisition Council (VTAC) Conference provides the opportunity for program office representatives, USAF Major Command (MAJCOM) and User representatives to review technical and program issues and concerns. Attendance is required to vet future vehicle requirements. If not funded, MAJCOMs and users will not gain complete, up-to-date program insight. Any concerns and questions that could potentially affect all USAF users may not be adequately addressed, and may lead to a communication gap with stakeholders not gaining pertinent information. Items of interest may be elevated by users and MAJCOMs that could have been resolved at the VTAC.

-- To fund unit trailer visits to investigate and address discrepancy reports. If not funded, there will be no in-person support to fully investigate trailer discrepancies.

Footnotes:

- (1) Quantities may change upon release of the Tactical Wheeled Vehicle Strategy.
- (2) Quantities may change upon release of the Tactical Wheeled Vehicle Strategy.
- (3) Quantities may change upon release of the Tactical Wheeled Vehicle Strategy.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 2: Cargo and Utility Vehicles	P-1 Line Item Number / Title: 822910 / Cap Vehicles
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.946	1.700	0.977	-	0.977	0.992	1.009	1.027	1.046	-	7.697
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	0.946	1.700	0.977	-	0.977	0.992	1.009	1.027	1.046	-	7.697
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	0.946	1.700	0.977	-	0.977	0.992	1.009	1.027	1.046	-	7.697
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Vehicle procurements enable the Civil Air Patrol (CAP) to provide rapid deployment of emergency essential ground teams who are capable of providing critical communications and humanitarian support during national emergencies and disasters.

The CAP is a Congressionally chartered non-profit corporation that serves as the Auxiliary of the Air Force. CAP uses federally provided resources to provide assistance requested by the DoD, federal, state or local government authorities and non-governmental organizations. CAP's procurement processes/standards are described in Department of Defense Grant & Agreement Regulations.

Program element associated with this P-1 Line is: 0901223F

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 2: Cargo and Utility Vehicles					P-1 Line Item Number / Title: 822910 / Cap Vehicles			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
7 PAX VAN	P-40a	A	- / -	10 / 0.260	16 / 0.471	11 / 0.328	- / -	11 / 0.328
12 PAX VAN	P-40a	A	- / -	11 / 0.290	19 / 0.618	15 / 0.486	- / -	15 / 0.486
SEDAN	P-40a	A	- / -	- / -	- / -	1 / 0.027	- / -	1 / 0.027
8 PAX 4X4	P-40a	A	- / -	6 / 0.189	8 / 0.295	2 / 0.074	- / -	2 / 0.074
PICK-UP TRUCK	P-40a	A	- / -	5 / 0.127	6 / 0.201	1 / 0.034	- / -	1 / 0.034
5 PAX SUV	P-40a	A	- / -	3 / 0.081	4 / 0.114	1 / 0.029	- / -	1 / 0.029
Total Gross/Weapon System Cost			- / -	- / 0.946	- / 1.700	- / 0.977	- / -	- / 0.977
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
<p>Justification: FY16 procurement dollars in the amount of \$0.977M procures, but is not limited to, 31 vehicles in support of CAP Cadet and Aerospace education programs that encourage and develop the voluntary contribution of private citizens to the public welfare.</p> <p>CAP provides transportation for ground teams who support 90% of the Air Force's search and rescue (SAR) missions in accordance with the National SAR Plan and disaster relief activities. Vehicles also provide transportation for over 24,000 CAP cadets to support execution of the Aerospace Education and Cadet Program missions as directed by 36 U.S.C Section 403, 10 U.S.C. Section 9442.</p> <p>CAP is a grant recipient; as such, AF central procurement processes are not applicable. CAP procurement processes/standards are described in Department of Defense Grant & Agreement Regulations.</p>								

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 2						P-1 Line Item Number / Title: 822910 / Cap Vehicles									Aggregated Items Title: Cap Vehicles				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
CAP Vehicles																				
7 PAX VAN	A		-	-	-	0.026	10	0.260	0.029	16	0.471	0.030	11	0.328	-	-	-	0.030	11	0.328
12 PAX VAN	A		-	-	-	0.026	11	0.290	0.033	19	0.618	0.032	15	0.486	-	-	-	0.032	15	0.486
SEDAN	A		-	-	-	-	-	-	-	-	-	0.027	1	0.027	-	-	-	0.027	1	0.027
8 PAX 4X4	A		-	-	-	0.032	6	0.189	0.037	8	0.295	0.037	2	0.074	-	-	-	0.037	2	0.074
PICK-UP TRUCK	A		-	-	-	0.025	5	0.127	0.033	6	0.201	0.034	1	0.034	-	-	-	0.034	1	0.034
5 PAX SUV	A		-	-	-	0.027	3	0.081	0.029	4	0.114	0.029	1	0.029	-	-	-	0.029	1	0.029
Subtotal: CAP Vehicles			-	-	-	-	-	0.946	-	-	1.700	-	-	0.977	-	-	-	-	-	0.977
Total			-	-	-	-	-	0.946	-	-	1.700	-	-	0.977	-	-	-	-	-	0.977

Remarks:

CAP is a grant recipient; as such, AF central procurement processes are not applicable. CAP procurement processes/standards are described in Department of Defense Grant & Agreement Regulations.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 2: Cargo and Utility Vehicles	P-1 Line Item Number / Title: 822990 / Items Less Than \$5 Million
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	10.331	14.027	12.483	-	12.483	11.212	14.216	8.253	8.290	-	78.812
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	10.331	14.027	12.483	-	12.483	11.212	14.216	8.253	8.290	-	78.812
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	10.331	14.027	12.483	-	12.483	11.212	14.216	8.253	8.290	-	78.812
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY15 funding totals include \$3M appropriated for Overseas Contingency Operations.

This vehicle group consists of pickup trucks, trailers, semi-trailers, trucks, vans, utility trucks, maintenance and facility vehicles essential to base and flying operations. Assets are critical to the Air Force mission and are essential to flight line operations (aircraft maintenance), depot maintenance, component routing to depot back shops and airfield maintenance, and Air Base Civil Engineers performing base housing maintenance and repairs. These items are critical across the spectrum of functional users throughout the Air Force and provide multi-purpose capabilities. These vehicles also support mission needs for light to heavy cargo transport, as well as transportation for air/flight crew personnel. Cargo utility vehicles also provide heavy cargo movement for civil engineering and construction projects. Without the procurement of these replacement vehicles, the Air Force will not have the ability to support broad spectrum Air Force operations.

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 PEs: 0202834F, 0207597F, 028028F, 0502834F, 0502844F, 0702831F.

The FY 2016 funding request was reduced by \$1.27 million to account for the availability of prior execution balances.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	10.331	14.027	9.818	-	9.818	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 2: Cargo and Utility Vehicles					P-1 Line Item Number / Title: 822990 / Items Less Than \$5 Million					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:				Other Related Program Elements:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AFR	Total Obligation Authority	-	-	-	-	-	-	-	-	-
	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	2.665	-	2.665	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	10.331	14.027	12.483	-	12.483	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 2: Cargo and Utility Vehicles				P-1 Line Item Number / Title: 822990 / Items Less Than \$5 Million				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
TRAILER, 38 FT. SEMI (2330-01-381-9477) ⁽¹⁾	P-40a	A	- / -	46 / 3.005	60 / 2.400	50 / 1.970	- / -	50 / 1.970
TRAILER, FLAT BED, 45 FT. AIR RIDE (2330-01-061-8609)	P-40a	A	- / -	1 / 0.036	- / -	6 / 0.245	- / -	6 / 0.245
TRAILER, 50 TON LOWBED (2330-01-058-5911) ⁽²⁾	P-40a	A	- / -	7 / 2.002	20 / 1.460	15 / 1.171	- / -	15 / 1.171
TRAILER, LOWBED, TILT DECK, 22 TON (2330-00-138-3011) ⁽³⁾	P-40a	A	- / -	3 / 0.014	16 / 0.944	5 / 0.229	- / -	5 / 0.229
TRUCK, PICKUP 4x4, F450 DUAL WHEEL (2320-01-501-6635)	P-40a	A	- / -	1 / 0.045	- / -	- / -	- / -	- / -
TRUCK, PICKUP, CREW CAB, 1/2T, 4X4 (2320-01-484-6748)	P-40a	A	- / -	- / -	- / -	9 / 0.225	- / -	9 / 0.225
TRUCK, PICKUP CREW CAB 4X4, 3/4T CU (2320-00-580-2955)	P-40a	A	- / -	13 / 0.445	- / -	22 / 0.830	- / -	22 / 0.830
TRUCK, PICKUP CREW CAB 4X2, 3/4T CU (2320-00-580-2954)	P-40a	A	- / -	8 / 0.191	- / -	24 / 0.655	- / -	24 / 0.655
TRUCK, STAKE AND PLATFORM 4X2 10000GVW (2320-01-250-7367)	P-40a	A	- / -	1 / 0.035	- / -	8 / 0.240	- / -	8 / 0.240
TRUCK, STAKE AND PLATFORM 4X4 10000GVW (2320-01-302-2698)	P-40a	A	- / -	- / -	4 / 0.132	- / -	- / -	- / -
TRUCK, CARRYALL 4X2 8 PAX (2320-00-879-7662)	P-40a	A	- / -	- / -	- / -	15 / 0.360	- / -	15 / 0.360
TRUCK, CARRYALL 4X4 7500 GVW (2320-00-950-4238)	P-40a	A	- / -	- / -	5 / 0.195	- / -	- / -	- / -
TRUCK, CARRYALL 9 PAX DELIVERY VAN (2320-00-450-1005)	P-40a	A	- / -	- / -	3 / 0.111	- / -	- / -	- / -
TRUCK, CARRYALL 4X2 15 PAX (2320-01-036-6569)	P-40a	A	- / -	2 / 0.106	- / -	13 / 0.377	- / -	13 / 0.377
TRUCK, CARRYALL 4X2 7 PAX (2320-01-173-6113)	P-40a	A	- / -	1 / 0.023	17 / 0.459	8 / 0.202	- / -	8 / 0.202
TRUCK, PICKUP 4X4 1/2 T 4600 & 5799 GVW (2320-00-811-6869)	P-40a	A	- / -	2 / 0.038	- / -	20 / 0.405	- / -	20 / 0.405
SUV, 4X4 COMPACT 4500 GVW (2320-01-563-7478)	P-40a	A	- / -	2 / 0.049	27 / 0.945	11 / 0.294	- / -	11 / 0.294
CROSSOVER (2320-01-543-6922)	P-40a	A	- / -	- / -	4 / 0.116	- / -	- / -	- / -
VAN, MAINTENANCE UTILITY DELIVERY (2320-01-176-2223)	P-40a	A	- / -	48 / 1.616	- / -	43 / 1.587	- / -	43 / 1.587
TRUCK, MULTISTOP 4X2 8499GVW (2320-00-702-5877)	P-40a	A	- / -	- / -	10 / 0.370	- / -	- / -	- / -
TRUCK, TRACTOR SWA (2320-01-357-1367)	P-40a	A	- / -	- / -	3 / 0.327	- / -	- / -	- / -
TRUCK, TRACTOR 44.5G (2320-00-271-1432) ⁽⁴⁾	P-40a	A	- / -	2 / 0.285	21 / 2.541	8 / 1.003	- / -	8 / 1.003
TRUCK, VAN PANEL 4X2 (2320-01-013-2754)	P-40a	A	- / -	12 / 0.228	- / -	19 / 0.401	- / -	19 / 0.401
TRUCK, TRACTOR MSL SPT (2320-00-344-4397)	P-40a	A	- / -	- / -	4 / 0.628	- / -	- / -	- / -
TRUCK, TRACTOR 39.5G (2320-01-341-7627) ⁽⁵⁾	P-40a	A	- / -	- / -	5 / 0.477	- / -	- / -	- / -
TRUCK, TRACTOR 24K 4X2 (2320-00-611-2429)	P-40a	A	- / -	1 / 0.089	- / -	- / -	- / -	- / -
TRUCK, WRECKER 6X4 44.5K GVW (2320-01-130-9890)	P-40a	A	- / -	- / -	3 / 1.065	- / -	- / -	- / -
TRUCK, 1/2 T REG CAB 4X2 (2320-00-540-1428)	P-40a	A	- / -	29 / 0.490	- / -	13 / 0.277	- / -	13 / 0.277
1/4 TON 4X4 EXT CAB P/U (2320-01-500-9498)	P-40a	A	- / -	4 / 0.106	- / -	6 / 0.176	- / -	6 / 0.176
TRUCK, COMPACT CREW CAB 4X4 (2320-01-500-5203)	P-40a	A	- / -	6 / 0.174	- / -	6 / 0.192	- / -	6 / 0.192
TRUCK, PICKUP CREW CAB 4X2 (2320-01-504-1443)	P-40a	A	- / -	1 / 0.024	- / -	15 / 0.393	- / -	15 / 0.393
TRUCK, 1/4 TON 4X2 EXT CAB (2320-01-496-0404)	P-40a	A	- / -	11 / 0.220	- / -	6 / 0.147	- / -	6 / 0.147
TRUCK, 4X2 UTILITY 9 PAX (2320-01-441-6914)	P-40a	A	- / -	1 / 0.030	- / -	6 / 0.107	- / -	6 / 0.107
12 TON STAKE PLATFM TRAILER (2330-01-331-8867)	P-40a	A	- / -	5 / 0.030	- / -	6 / 0.252	- / -	6 / 0.252

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 2: Cargo and Utility Vehicles					P-1 Line Item Number / Title: 822990 / Items Less Than \$5 Million			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
TRUCK, 1/2 TON CREW CAB 4X2 (2320-01-484-6745)	P-40a	A	- / -	39 / 0.897	- / -	6 / 0.156	- / -	6 / 0.156
1 TON STAKE PLATFORM 4X2 (2320-00-851-8481)	P-40a	A	- / -	1 / 0.033	- / -	10 / 0.210	- / -	10 / 0.210
TRUCK, 4X4 PANEL (2320-01-567-0055)	P-40a	A	- / -	1 / 0.041	- / -	- / -	- / -	- / -
20 TON 25 FT STLR (2330-00-899-7527)	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
STLR L/B 35 TON (2330-01-051-6648)	P-40a	A	- / -	- / -	- / -	6 / 0.373	- / -	6 / 0.373
TRUCK, 1/2 TON 4x4 REG CAB (2320-00-811-6869)	P-40a	A	- / -	2 / 0.038	- / -	- / -	- / -	- / -
TRL, FLATBED 3-8 TON (2330-00-014-0494)	P-40a	A	- / -	2 / 0.036	- / -	- / -	- / -	- / -
ADR TRAILER (NSN TBD)	P-40a	A	- / -	- / -	15 / 1.851	- / -	- / -	- / -
PMA OTHER GOVERNMENT COSTS	P-40a	A	- / -	- / 0.005	- / 0.006	- / 0.006	- / -	- / 0.006
Total Gross/Weapon System Cost			- / -	- / 10.331	- / 14.027	- / 12.483	- / -	- / 12.483
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
<p>Justification: FY16 procurement dollars in the amount of \$12.483M will procure, but is not limited to 356 vehicles in support of installation and unit mission requirements for Air Force personnel.</p> <p>Footnotes: ⁽¹⁾ (Airfield Damage Repair) FY15 OCO REQ ⁽²⁾ (Airfield Damage Repair) FY15 OCO REQ ⁽³⁾ (Airfield Damage Repair) FY15 OCO REQ ⁽⁴⁾ (Airfield Damage Repair) FY15 OCO REQ ⁽⁵⁾ (Airfield Damage Repair) FY15 OCO REQ</p>								

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 2						P-1 Line Item Number / Title: 822990 / Items Less Than \$5 Million									Aggregated Items Title: Items Less Than \$5 Million					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
TRAILER, 38 FT. SEMI (2330-01-381-9477) (1)	A		-	-	-	65,336.93	46	3.005	40,000.00	60	2.400	39,398.00	50	1.970	-	-	-	39,398.00	50	1.970
Secondary Distribution																				
AF			-	-	-		46	3.005		60	2.400		50	1.970		-	-		50	1.970
TRAILER, FLAT BED, 45 FT. AIR RIDE (2330-01-061-8609)	A		-	-	-	36,252.00	1	0.036	-	-	-	40,751.00	6	0.245	-	-	-	40,751.00	6	0.245
Secondary Distribution																				
AF			-	-	-		1	0.036		-	-		6	0.245		-	-		6	0.245
TRAILER, 50 TON LOWBED (2330-01-058-5911) (2)	A		-	-	-	286,071.29	7	2.002	73,000.00	20	1.460	78,055.00	15	1.171	-	-	-	78,055.00	15	1.171
Secondary Distribution																				
AF			-	-	-		7	2.002		20	1.460		15	1.171		-	-		15	1.171
TRAILER, LOWBED, TILT DECK, 22 TON (2330-00-138-3011) (3)	A		-	-	-	4,505.67	3	0.014	59,000.00	16	0.944	45,840.00	5	0.229	-	-	-	45,840.00	5	0.229
Secondary Distribution																				
AF			-	-	-		3	0.014		16	0.944		5	0.229		-	-		5	0.229
TRUCK, PICKUP 4x4, F450 DUAL WHEEL (2320-01-501-6635)	A		-	-	-	44,859.00	1	0.045	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF			-	-	-		1	0.045		-	-		-	-		-	-		-	-
TRUCK, PICKUP, CREW CAB, 1/2T, 4X4 (2320-01-484-6748)	A		-	-	-	-	-	-	-	-	-	25,000.00	9	0.225	-	-	-	25,000.00	9	0.225
Secondary Distribution																				
AF			-	-	-		-	-		-	-		7	0.175		-	-		7	0.175
AFR			-	-	-		-	-		-	-		2	0.050		-	-		2	0.050
TRUCK, PICKUP CREW CAB 4X4, 3/4T CU (2320-00-580-2955)	A		-	-	-	34,269.15	13	0.445	-	-	-	37,718.18	22	0.830	-	-	-	37,718.18	22	0.830
Secondary Distribution																				
AF			-	-	-		13	0.445		-	-		8	0.302		-	-		8	0.302

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 2						P-1 Line Item Number / Title: 822990 / Items Less Than \$5 Million									Aggregated Items Title: Items Less Than \$5 Million					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
AFR				-	-		-	-		-	-		14	0.528		-	-		14	0.528
TRUCK, PICKUP CREW CAB 4X2, 3/4T CU (2320-00-580-2954)	A		-	-	-	23,925.75	8	0.191	-	-	-	27,291.00	24	0.655	-	-	-	27,291.00	24	0.655
Secondary Distribution																				
AF				-	-		8	0.191		-	-		20	0.546		-	-		20	0.546
AFR				-	-		-	-		-	-		4	0.109		-	-		4	0.109
TRUCK, STAKE AND PLATFORM 4X2 10000GVW (2320-01-250-7367)	A		-	-	-	35,119.00	1	0.035	-	-	-	30,054.50	8	0.240	-	-	-	30,054.50	8	0.240
Secondary Distribution																				
AF				-	-		1	0.035		-	-		3	0.090		-	-		3	0.090
AFR				-	-		-	-		-	-		5	0.150		-	-		5	0.150
TRUCK, STAKE AND PLATFORM 4X4 10000GVW (2320-01-302-2698)	A		-	-	-	-	-	-	33,000.00	4	0.132	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		4	0.132		-	-		-	-		-	-
TRUCK, CARRYALL 4X2 8 PAX (2320-00-879-7662)	A		-	-	-	-	-	-	-	-	-	24,000.00	15	0.360	-	-	-	24,000.00	15	0.360
Secondary Distribution																				
AF				-	-		-	-		-	-		15	0.360		-	-		15	0.360
TRUCK, CARRYALL 4X4 7500 GVW (2320-00-950-4238)	A		-	-	-	-	-	-	39,000.00	5	0.195	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		5	0.195		-	-		-	-		-	-
TRUCK, CARRYALL 9 PAX DELIVERY VAN (2320-00-450-1005)	A		-	-	-	-	-	-	37,000.00	3	0.111	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		3	0.111		-	-		-	-		-	-
TRUCK, CARRYALL 4X2 15 PAX (2320-01-036-6569)	A		-	-	-	52,751.50	2	0.106	-	-	-	29,000.00	13	0.377	-	-	-	29,000.00	13	0.377
Secondary Distribution																				
AF				-	-		2	0.106		-	-		10	0.290		-	-		10	0.290

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 2						P-1 Line Item Number / Title: 822990 / Items Less Than \$5 Million									Aggregated Items Title: Items Less Than \$5 Million					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
AFR				-	-		-	-		-	-		3	0.087		-	-		3	0.087
TRUCK, CARRYALL 4X2 7 PAX (2320-01-173-6113)	A		-	-	-	22,725.00	1	0.023	27,000.00	17	0.459	25,245.00	8	0.202	-	-	-	25,245.00	8	0.202
Secondary Distribution																				
AF				-	-		1	0.023		17	0.459		8	0.202		-	-		8	0.202
TRUCK, PICKUP 4X4 1/2 T 4600 & 5799 GVW (2320-00-811-6869)	A		-	-	-	19,000.00	2	0.038	-	-	-	20,242.00	20	0.405	-	-	-	20,242.00	20	0.405
Secondary Distribution																				
AF				-	-		2	0.038		-	-		20	0.405		-	-		20	0.405
SUV, 4X4 COMPACT 4500 GVW (2320-01-563-7478)	A		-	-	-	24,326.50	2	0.049	35,000.00	27	0.945	26,694.00	11	0.294	-	-	-	26,694.00	11	0.294
Secondary Distribution																				
AF				-	-		2	0.049		27	0.945		11	0.294		-	-		11	0.294
CROSSOVER (2320-01-543-6922)	A		-	-	-	-	-	-	29,000.00	4	0.116	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		4	0.116		-	-		-	-		-	-
VAN, MAINTENANCE UTILITY DELIVERY (2320-01-176-2223)	A		-	-	-	33,676.85	48	1.616	-	-	-	36,899.00	43	1.587	-	-	-	36,899.00	43	1.587
Secondary Distribution																				
AF				-	-		48	1.616		-	-		39	1.439		-	-		39	1.439
AFR				-	-		-	-		-	-		4	0.148		-	-		4	0.148
TRUCK, MULTISTOP 4X2 8499GVW (2320-00-702-5877)	A		-	-	-	-	-	-	37,000.00	10	0.370	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		10	0.370		-	-		-	-		-	-
TRUCK, TRACTOR SWA (2320-01-357-1367)	A		-	-	-	-	-	-	109,000.00	3	0.327	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		3	0.327		-	-		-	-		-	-
TRUCK, TRACTOR 44.5G (2320-00-271-1432) (4)	A		-	-	-	142,275.00	2	0.285	121,000.00	21	2.541	125,404.50	8	1.003	-	-	-	125,404.50	8	1.003

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 2							P-1 Line Item Number / Title: 822990 / Items Less Than \$5 Million								Aggregated Items Title: Items Less Than \$5 Million					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Secondary Distribution																				
AF				-	-		2	0.285		21	2.541		6	0.752		-	-		6	0.752
AFR				-	-		-	-		-	-		2	0.251		-	-		2	0.251
TRUCK, VAN PANEL 4X2 (2320-01-013-2754)	A		-	-	-	18,995.00	12	0.228	-	-	-	21,100.00	19	0.401	-	-	-	21,100.00	19	0.401
Secondary Distribution																				
AF				-	-		12	0.228		-	-		5	0.106		-	-		5	0.106
AFR				-	-		-	-		-	-		14	0.295		-	-		14	0.295
TRUCK, TRACTOR MSL SPT (2320-00-344-4397)	A		-	-	-	-	-	-	157,000.00	4	0.628	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		4	0.628		-	-		-	-		-	-
TRUCK, TRACTOR 39.5G (2320-01-341-7627) (5)	A		-	-	-	-	-	-	95,400.00	5	0.477	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		5	0.477		-	-		-	-		-	-
TRUCK, TRACTOR 24K 4X2 (2320-00-611-2429)	A		-	-	-	88,706.00	1	0.089	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		1	0.089		-	-		-	-		-	-		-	-
TRUCK, WRECKER 6X4 44.5K GVW (2320-01-130-9890)	A		-	-	-	-	-	-	355,000.00	3	1.065	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		3	1.065		-	-		-	-		-	-
TRUCK, 1/2 T REG CAB 4X2 (2320-00-540-1428)	A		-	-	-	16,889.31	29	0.490	-	-	-	21,300.00	13	0.277	-	-	-	21,300.00	13	0.277
Secondary Distribution																				
AF				-	-		29	0.490		-	-		4	0.085		-	-		4	0.085
AFR				-	-		-	-		-	-		9	0.192		-	-		9	0.192
1/4 TON 4X4 EXT CAB P/U (2320-01-500-9498)	A		-	-	-	26,452.00	4	0.106	-	-	-	29,386.00	6	0.176	-	-	-	29,386.00	6	0.176
Secondary Distribution																				
AF				-	-		4	0.106		-	-		6	0.176		-	-		6	0.176

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 2							P-1 Line Item Number / Title: 822990 / Items Less Than \$5 Million								Aggregated Items Title: Items Less Than \$5 Million					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
TRUCK, COMPACT CREW CAB 4X4 (2320-01-500-5203)	A		-	-	-	29,000.00	6	0.174	-	-	-	31,972.00	6	0.192	-	-	-	31,972.00	6	0.192
Secondary Distribution																				
AF				-	-		6	0.174		-	-		3	0.096		-	-		3	0.096
AFR				-	-		-	-		-	-		3	0.096		-	-		3	0.096
TRUCK, PICKUP CREW CAB 4X2 (2320-01-504-1443)	A		-	-	-	23,624.00	1	0.024	-	-	-	26,229.33	15	0.393	-	-	-	26,229.33	15	0.393
Secondary Distribution																				
AF				-	-		1	0.024		-	-		5	0.131		-	-		5	0.131
AFR				-	-		-	-		-	-		10	0.262		-	-		10	0.262
TRUCK, 1/4 TON 4X2 EXT CAB (2320-01-496-0404)	A		-	-	-	20,000.00	11	0.220	-	-	-	24,550.00	6	0.147	-	-	-	24,550.00	6	0.147
Secondary Distribution																				
AF				-	-		11	0.220		-	-		6	0.147		-	-		6	0.147
TRUCK, 4X2 UTILITY 9 PAX (2320-01-441-6914)	A		-	-	-	30,084.00	1	0.030	-	-	-	17,886.83	6	0.107	-	-	-	17,886.83	6	0.107
Secondary Distribution																				
AF				-	-		1	0.030		-	-		5	0.089		-	-		5	0.089
AFR				-	-		-	-		-	-		1	0.018		-	-		1	0.018
12 TON STAKE PLATFM TRAILER (2330-01-331-8867)	A		-	-	-	6,017.00	5	0.030	-	-	-	41,952.00	6	0.252	-	-	-	41,952.00	6	0.252
Secondary Distribution																				
AF				-	-		5	0.030		-	-		6	0.252		-	-		6	0.252
TRUCK, 1/2 TON CREW CAB 4X2 (2320-01-484-6745)	A		-	-	-	23,000.00	39	0.897	-	-	-	26,000.00	6	0.156	-	-	-	26,000.00	6	0.156
Secondary Distribution																				
AF				-	-		39	0.897		-	-		6	0.156		-	-		6	0.156
1 TON STAKE PLATFORM 4X2 (2320-00-851-8481)	A		-	-	-	33,189.00	1	0.033	-	-	-	20,962.00	10	0.210	-	-	-	20,962.00	10	0.210
Secondary Distribution																				
AF				-	-		1	0.033		-	-		2	0.042		-	-		2	0.042
AFR				-	-		-	-		-	-		8	0.168		-	-		8	0.168
TRUCK, 4X4 PANEL (2320-01-567-0055)	A		-	-	-	40,937.00	1	0.041	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 2								P-1 Line Item Number / Title: 822990 / Items Less Than \$5 Million							Aggregated Items Title: Items Less Than \$5 Million				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Secondary Distribution																				
AF				-	-		1	0.041		-	-		-	-		-	-		-	
20 TON 25 FT STLR (2330-00-899-7527)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STLR L/B 35 TON (2330-01-051-6648)	A		-	-	-	-	-	-	-	-	-	62,243.00	6	0.373	-	-	-	62,243.00	6	0.373
Secondary Distribution																				
AF				-	-		-	-		-	-		1	0.062		-	-		1	0.062
AFR				-	-		-	-		-	-		5	0.311		-	-		5	0.311
TRUCK, 1/2 TON 4x4 REG CAB (2320-00-811-6869)	A		-	-	-	19,121.50	2	0.038	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		2	0.038		-	-		-	-		-	-		-	-
TRL, FLATBED 3-8 TON (2330-00-014-0494)	A		-	-	-	17,762.50	2	0.036	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		2	0.036		-	-		-	-		-	-		-	-
ADR TRAILER (NSN TBD)	A		-	-	-	-	-	-	123,400.00	15	1.851	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		15	1.851		-	-		-	-		-	-
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	0.005	-	-	0.006	-	-	0.006	-	-	-	-	-	0.006
Secondary Distribution																				
AF				-	-		-	0.005		-	0.006		-	0.006		-	-		-	0.006
Subtotal: Uncategorized			-	-	-	-	-	10.331	-	-	14.027	-	-	12.483	-	-	-	-	-	12.483
Total			-	-	-	-	-	10.331	-	-	14.027	-	-	12.483	-	-	-	-	-	12.483

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 2	P-1 Line Item Number / Title: 822990 / Items Less Than \$5 Million	Aggregated Items Title: Items Less Than \$5 Million
<p>Remarks: FY16 UNIT COSTS ARE SUBJECT TO CHANGE.</p> <p>FY16 PMA Justification: Funds from PMA will be used for TDY to attend the GSA Federal Fleet training and conference specifications review to interface with GSA and vendor personnel to ensure specifications for the Air Force vehicle fleet are adhered to. Funds from PMA will also be used for TDY to the Con Expo conference which showcases the latest equipment, products, services and technologies available to the Air Force. Finally, funds from PMA will also be used for TDY to the annual Vehicle Transformation Acquisition Council to discuss requirements and issues within the Air Force fleet with the Vehicle Equipment & Management Support Office (VEMSO) and MAJCOM representatives.</p> <p>Footnotes: ⁽¹⁾ (Airfield Damage Repair) FY15 OCO REQ ⁽²⁾ (Airfield Damage Repair) FY15 OCO REQ ⁽³⁾ (Airfield Damage Repair) FY15 OCO REQ ⁽⁴⁾ (Airfield Damage Repair) FY15 OCO REQ ⁽⁵⁾ (Airfield Damage Repair) FY15 OCO REQ</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 3: Special Purpose Vehicles							P-1 Line Item Number / Title: 823230 / Security And Tactical Vehicles					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	2.000	4.447	4.728	-	4.728	4.818	4.902	35.267	35.891	-	92.053
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	2.000	4.447	4.728	-	4.728	4.818	4.902	35.267	35.891	-	92.053
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	2.000	4.447	4.728	-	4.728	4.818	4.902	35.267	35.891	-	92.053
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>Funding provides for a variety of security and tactical vehicles essential to strategic military operations. This program currently includes the standard diesel powered High Mobility Multi-purpose Wheeled Vehicle (HMMWV) and all configurations used by the Air Force, Guardian Angel Light Tactical Vehicle, and cargo trailers.</p> <p>The M1101 and M1102 are light tactical trailers (designated by load weight) in a single axle, two wheel trailer designed to be towed by a HMMWV towing vehicle. The trailers have the same tires, wheels, and track width as the HMMWV. The only difference between the M1101 and the M1102 trailer is the model information and payload capacity. The trailers have various applications and provide the forces with a light, nimble, rugged trailer built primarily for hauling cargo.</p> <p>The Guardian Angel Light Tactical Vehicle is an air-deployable surface recovery platform capable of maneuvering over adverse terrain in order to search for and recover isolated personnel and/or equipment. It will provide increased survivability during "outside the wire" personnel recovery operations, more secure transportation capability to the recovery team and injured/isolated personnel from an area of high threat, and necessary training platforms for operators to familiarize themselves with vehicles they utilize in the area of operations. It also provides operators with increased protection from enemy fire and improvised explosive devices. Funding includes procurement of end items, training, spares, repairs and returns.</p> <p>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.</p> <p>Funding for this exhibit contained in PEs 0202834F, 0207227F, 0502834F, 0502844F, 0702831F, 0804731F.</p>												
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020		
AF	Quantity	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 3: Special Purpose Vehicles					P-1 Line Item Number / Title: 823230 / Security And Tactical Vehicles					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
	Total Obligation Authority	1.136	3.722	4.728	-	4.728	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.541	0.544	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.323	0.181	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.000	4.447	4.728	-	4.728	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 3: Special Purpose Vehicles					P-1 Line Item Number / Title: 823230 / Security And Tactical Vehicles			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
HIGH MOBILITY TRAILER, LIGHT M1101 (NSN 2330-01-388-6662)	P-40a	A	- / -	191 / 1.413	- / -	1 / 0.816	- / -	1 / 0.816
M1102 TRAILER (NSN: 2330-01-387-5426)	P-40a	A	- / -	- / -	100 / 0.725	- / -	- / -	- / -
GUARDIAN ANGEL LIGHT TACTICAL VEHICLE	P-40a	A	- / -	1 / 0.580	10 / 3.719	10 / 3.911	- / -	10 / 3.911
PMA OTHER GOVERNMENT COSTS	P-40a	A	- / -	- / 0.007	- / 0.003	- / 0.001	- / -	- / 0.001
Total Gross/Weapon System Cost			- / -	- / 2.000	- / 4.447	- / 4.728	- / -	- / 4.728
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
Justification: FY16 procurement dollars in the amount of \$4.728M will procure, but not be limited to, 112 vehicles and trailers in support of installation and unit mission requirements for Air Force personnel.								

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 3								P-1 Line Item Number / Title: 823230 / Security And Tactical Vehicles							Aggregated Items Title: Security And Tactical Vehicles				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
HIGH MOBILITY TRAILER, LIGHT M1101 (NSN 2330-01-388-6662)	A		-	-	-	7,397.91	191	1.413	-	-	-	816,000.00	1	0.816	-	-	-	816,000.00	1	0.816
Secondary Distribution																				
AF				-	-		74	0.549		-	-		1	0.816		-	-		1	0.816
AFNG				-	-		73	0.541		-	-		-	-		-	-		-	-
AFR				-	-		44	0.323		-	-		-	-		-	-		-	-
M1102 TRAILER (NSN: 2330-01-387-5426)	A		-	-	-	-	-	-	7,250.00	100	0.725	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
AFNG				-	-		-	-		75	0.544		-	-		-	-		-	-
AFR				-	-		-	-		25	0.181		-	-		-	-		-	-
GUARDIAN ANGEL LIGHT TACTICAL VEHICLE	A		-	-	-	580,000.00	1	0.580	371,900.00	10	3.719	391,100.00	10	3.911	-	-	-	391,100.00	10	3.911
Secondary Distribution																				
AF				-	-		1	0.580		10	3.719		10	3.911		-	-		10	3.911
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	0.007	-	-	0.003	-	-	0.001	-	-	-	-	-	0.001
Secondary Distribution																				
AF				-	-		-	0.007		-	0.003		-	0.001		-	-		-	0.001
Subtotal: Uncategorized			-	-	-	-	-	2.000	-	-	4.447	-	-	4.728	-	-	-	-	-	4.728
Total			-	-	-	-	-	2.000	-	-	4.447	-	-	4.728	-	-	-	-	-	4.728

Remarks:

Unit costs for FY16 are subject to change.

FY16 PMA Justification:

The Vehicle Transportation Acquisition Council (VTAC) Conference provides the opportunity for program office representatives, USAF Major Command (MAJCOM) and User representatives to review technical and program issues and concerns. Attendance is required to vet future vehicle requirements.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 3: Special Purpose Vehicles	P-1 Line Item Number / Title: 823990 / Items Less Than \$5 Million
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	5.308	2.571	4.662	-	4.662	4.570	8.635	15.200	15.472	-	56.418
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	5.308	2.571	4.662	-	4.662	4.570	8.635	15.200	15.472	-	56.418
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	5.308	2.571	4.662	-	4.662	4.570	8.635	15.200	15.472	-	56.418
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY15 funding totals include \$1.878M appropriated for Overseas Contingency Operations.

The Special Purpose Vehicles group consists of various vehicles for flightline, maintenance, and facility operations used for a variety of purposes. Examples of these vehicles include the IW 40 tractor, 4 and 8 passenger over-the-snow-carriers, an assortment of wreckers and refuse trucks, potable and non-potable water distribution trucks, refueling vehicles, deicers, staircase trucks, lavatory service trucks, high reach maintenance trucks, glycol recovery vehicles, diable patient vehicles, and tow tractors. Tow tractors are used to tow aircrafts, munition trailers, and ground support equipment. The IW 40 tractor is a small farm tractor used primarily to pull a mower and for other light tasks; the snow carriers are tracked vehicles which move personnel in snowy conditions and are used in search and rescue missions; the wreckers are used to move disabled vehicles, haul vehicles or to deploy a heavy duty winch. The refuse trucks in this group include one which tilts and dumps a payload and one which compacts refuse prior to discharge. Aircraft refueling vehicles refuel and defuel aircrafts. Potable water distribution trucks provide drinking water to personnel; non-potable water distribution trucks are used primarily to wet down and control dust at a construction site.

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 PEs 0202834F, 0207597F, 0401221F, 0402834F, 0502834F, 0502844F, 0702831F.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.308	2.571	1.185	-	1.185	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 3: Special Purpose Vehicles					P-1 Line Item Number / Title: 823990 / Items Less Than \$5 Million					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:				Other Related Program Elements:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AFR	Total Obligation Authority	-	-	-	-	-	-	-	-	-
	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	3.477	-	3.477	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.308	2.571	4.662	-	4.662	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 3: Special Purpose Vehicles	P-1 Line Item Number / Title: 823990 / Items Less Than \$5 Million
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
TOW TRACTOR, U-30 (1740-01-367-9485YW) ⁽¹⁾	P-40a	A	- / -	- / -	1 / 0.312	- / -	- / -	- / -
TOW TRACTOR, MB-2 (1740-00-143-8464YW)	P-40a	A	- / -	1 / 0.128	1 / 0.139	- / -	- / -	- / -
FLIGHT LINE TOW TRACTOR, 4X2 (1740-01-068-8945YW)	P-40a	A	- / -	36 / 1.492	1 / 0.045	14 / 0.602	- / -	14 / 0.602
TOW TRACTOR, FLIGHT LINE , 4X4 (1740-01-452-4117YW)	P-40a	A	- / -	11 / 0.486	- / -	- / -	- / -	- / -
TRUCK, HI- LIFT 9T (2320-00-540-3991)	P-40a	A	- / -	- / -	- / -	1 / 0.274	- / -	1 / 0.274
TRUCK , TELEPHONE MAINT 6PAX (2320-00-451-2184)	P-40a	A	- / -	- / -	1 / 0.033	- / -	- / -	- / -
TRUCK, MAINTENANCE 3/4T 4X4 (2320-00-541-1714)	P-40a	A	- / -	1 / 0.030	- / -	1 / 0.031	- / -	1 / 0.031
TRUCK, TELEPHONE MAINT STD UTIL 4x2 (2320-00-801-9193)	P-40a	A	- / -	12 / 0.321	- / -	2 / 0.056	- / -	2 / 0.056
REEFER VAN 19000 GVW (2320-00-770-4467)	P-40a	A	- / -	1 / 0.088	- / -	- / -	- / -	- / -
3 TON STAKE AND PLATFORM (2320-00-935-4696)	P-40a	A	- / -	1 / 0.187	- / -	- / -	- / -	- / -
STAIRCASE TRUCK (1730-01-601-8086YW)	P-40a	A	- / -	2 / 0.539	- / -	- / -	- / -	- / -
TRK HYDRANT HOSE R-12 (2320-01-125-2481)	P-40a	A	- / -	- / -	1 / 0.208	- / -	- / -	- / -
TRK TANK 1200G 4X2 (2320-00-177-6777)	P-40a	A	- / -	3 / 0.353	- / -	5 / 0.611	- / -	5 / 0.611
TRK TNK FUEL 6000GAL R-11 (2320-00-433-5695) ⁽²⁾	P-40a	A	- / -	1 / 1.049	- / -	9 / 1.770	- / -	9 / 1.770
TRUCK, LAVATORY SERVICE (1730-00-981-7605YW)	P-40a	A	- / -	1 / 0.087	- / -	- / -	- / -	- / -
TRUCK, EXTENDED REACH DEICER (1730-01-495-5449YW) ⁽³⁾	P-40a	A	- / -	- / -	3 / 1.566	1 / 0.569	- / -	1 / 0.569
STLR,TRK,WTR 5000 GAL (2330-00-827-9351)	P-40a	A	- / -	- / -	2 / 0.239	- / -	- / -	- / -
TRK WRK 6x4 44.5GVW (2320-01-130-6353)	P-40a	A	- / -	1 / 0.276	- / -	- / -	- / -	- / -
TRK MNT DIGGER DERRICK (2320-01-397-7528)	P-40a	A	- / -	1 / 0.267	- / -	1 / 0.277	- / -	1 / 0.277
GLYCOL RECOVERY VEHICLE (3825-01-584-7127)	P-40a	A	- / -	- / -	- / -	1 / 0.470	- / -	1 / 0.470
PMA OTHER GOVT COST	P-40a	A	- / -	- / 0.005	- / 0.029	- / 0.002	- / -	- / 0.002
Total Gross/Weapon System Cost			- / -	- / 5.308	- / 2.571	- / 4.662	- / -	- / 4.662

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:

FY16 procurement dollars in the amount of \$4.662M will procure, but is not limited, to 35 vehicles in support of installation and unit mission requirements for Air Force personnel.

Footnotes:

⁽¹⁾ FY15 AMC OCO requirement

⁽²⁾ FY14 unit cost is for first production

⁽³⁾ FY15 AMC OCO requirement

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 3						P-1 Line Item Number / Title: 823990 / Items Less Than \$5 Million									Aggregated Items Title: Items Less Than \$5 Million					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
TOW TRACTOR, U-30 (1740-01-367-9485YW) (1)	A		-	-	-	-	-	-	312,000.00	1	0.312	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF			-	-	-	-	-	-		1	0.312	-	-	-	-	-	-	-	-	
TOW TRACTOR, MB-2 (1740-00-143-8464YW)	A		-	-	-	127,931.00	1	0.128	139,000.00	1	0.139	-	-	-	-	-	-	-	-	
Secondary Distribution																				
AF			-	-	-		1	0.128		1	0.139	-	-	-	-	-	-	-	-	
FLIGHT LINE TOW TRACTOR, 4X2 (1740-01-068-8945YW)	A		-	-	-	41,438.00	36	1.492	45,000.00	1	0.045	43,013.00	14	0.602	-	-	-	43,013.00	14	0.602
Secondary Distribution																				
AF			-	-	-		36	1.492		1	0.045	-	-	-	-	-	-	-	-	
AFR			-	-	-		-	-		-	-	14	0.602	-	-	-	-	14	0.602	
TOW TRACTOR, FLIGHT LINE , 4X4 (1740-01-452-4117YW)	A		-	-	-	44,225.00	11	0.486	-	-	-	-	-	-	-	-	-	-	-	
Secondary Distribution																				
AF			-	-	-		11	0.486		-	-	-	-	-	-	-	-	-	-	
TRUCK, HI- LIFT 9T (2320-00-540-3991)	A		-	-	-	-	-	-	-	-	-	273,512.00	1	0.274	-	-	-	273,512.00	1	0.274
Secondary Distribution																				
AF			-	-	-		-	-		-	-		-	-	-	-	-	-	-	
AFNG			-	-	-		-	-		-	-		-	-	-	-	-	-	-	
AFR			-	-	-		-	-		-	-	1	0.274	-	-	-	-	1	0.274	
TRUCK , TELEPHONE MAINT 6PAX (2320-00-451-2184)	A		-	-	-	-	-	-	33,000.00	1	0.033	-	-	-	-	-	-	-	-	
Secondary Distribution																				
AF			-	-	-		-	-		1	0.033	-	-	-	-	-	-	-	-	
TRUCK, MAINTENANCE 3/4T 4X4 (2320-00-541-1714)	A		-	-	-	30,247.00	1	0.030	-	-	-	31,000.00	1	0.031	-	-	-	31,000.00	1	0.031
Secondary Distribution																				
AF			-	-	-		1	0.030		-	-		-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 3						P-1 Line Item Number / Title: 823990 / Items Less Than \$5 Million									Aggregated Items Title: Items Less Than \$5 Million					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
AFR				-	-		-	-		-	-		1	0.031		-	-		1	0.031
TRUCK, TELEPHONE MAINT STD UTIL 4x2 (2320-00-801-9193)	A		-	-	-	26,778.00	12	0.321	-	-	-	28,000.00	2	0.056	-	-	-	28,000.00	2	0.056
Secondary Distribution																				
AF				-	-		12	0.321		-	-		-	-		-	-		-	-
AFR				-	-		-	-		-	-		2	0.056		-	-		2	0.056
REEFER VAN 19000 GVW (2320-00-770-4467)	A		-	-	-	87,885.00	1	0.088	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		1	0.088		-	-		-	-		-	-		-	-
3 TON STAKE AND PLATFORM (2320-00-935-4696)	A		-	-	-	186,651.00	1	0.187	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		1	0.187		-	-		-	-		-	-		-	-
STAIRCASE TRUCK (1730-01-601-8086YW)	A		-	-	-	269,471.00	2	0.539	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		2	0.539		-	-		-	-		-	-		-	-
TRK HYDRANT HOSE R-12 (2320-01-125-2481)	A		-	-	-	-	-	-	208,026.00	1	0.208	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		1	0.208		-	-		-	-		-	-
TRK TANK 1200G 4X2 (2320-00-177-6777)	A		-	-	-	117,678.00	3	0.353	-	-	-	122,184.80	5	0.611	-	-	-	122,184.80	5	0.611
Secondary Distribution																				
AF				-	-		3	0.353		-	-		1	0.122		-	-		1	0.122
AFR				-	-		-	-		-	-		4	0.489		-	-		4	0.489
TRK TNK FUEL 6000GAL R-11 (2320-00-433-5695) (2)	A		-	-	-	1,049K	1	1.049	-	-	-	196,666.44	9	1.770	-	-	-	196,666.44	9	1.770
Secondary Distribution																				
AF				-	-		1	1.049		-	-		3	0.591		-	-		3	0.591
AFR				-	-		-	-		-	-		6	1.179		-	-		6	1.179

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force																Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 3								P-1 Line Item Number / Title: 823990 / Items Less Than \$5 Million								Aggregated Items Title: Items Less Than \$5 Million			

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
TRUCK, LAVATORY SERVICE (1730-00-981-7605YW)	A		-	-	-	86,980.00	1	0.087	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		1	0.087		-	-		-	-		-	-		-	-
TRUCK, EXTENDED REACH DEICER (1730-01-495-5449YW) (3)	A		-	-	-	-	-	-	522,000.00	3	1.566	569,495.00	1	0.569	-	-	-	569,495.00	1	0.569
<i>Secondary Distribution</i>																				
AF				-	-		-	-		3	1.566		-	-		-	-		-	-
AFR				-	-		-	-		-	-		1	0.569		-	-		1	0.569
STLR,TRK,WTR 5000 GAL (2330-00-827-9351)	A		-	-	-	-	-	-	119,264.00	2	0.239	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		-	-		2	0.239		-	-		-	-		-	-
TRK WRK 6x4 44.5GVW (2320-01-130-6353)	A		-	-	-	276,377.00	1	0.276	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		1	0.276		-	-		-	-		-	-		-	-
TRK MNT DIGGER DERRICK (2320-01-397-7528)	A		-	-	-	266,500.00	1	0.267	-	-	-	276,500.00	1	0.277	-	-	-	276,500.00	1	0.277
<i>Secondary Distribution</i>																				
AF				-	-		1	0.267		-	-		-	-		-	-		-	-
AFR				-	-		-	-		-	-		1	0.277		-	-		1	0.277
GLYCOL RECOVERY VEHICLE (3825-01-584-7127)	A		-	-	-	-	-	-	-	-	-	470,392.00	1	0.470	-	-	-	470,392.00	1	0.470
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	-		1	0.470		-	-		1	0.470
PMA OTHER GOVT COST	A		-	-	-	-	-	0.005	-	-	0.029	-	-	0.002	-	-	-	-	-	0.002
<i>Secondary Distribution</i>																				
AF				-	-		-	0.005		-	0.029		-	0.002		-	-		-	0.002
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	5.308	-	-	2.571	-	-	4.662	-	-	-	-	-	4.662
Total			-	-	-	-	-	5.308	-	-	2.571	-	-	4.662	-	-	-	-	-	4.662

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 3	P-1 Line Item Number / Title: 823990 / Items Less Than \$5 Million	Aggregated Items Title: Items Less Than \$5 Million
<p>Remarks: FY16 unit prices are subject to change.</p> <p>FY16 PMA Justification:</p> <p>-- R-11 Refueling Truck, Buy, First Production Test. Perform inspection and operational test of first production unit of initially produced R-11 to ensure operational, safety, and sustainment requirements are met before full rate production ensues.</p> <p>-- R-12 Refueling Truck, Buy, First Production Test. Perform inspection and operational test of first production unit of new R-12 to ensure operational, safety, and sustainment requirements are met before full rate production ensues.</p> <p>Footnotes: ⁽¹⁾ FY15 AMC OCO requirement ⁽²⁾ FY14 unit cost is for first production ⁽³⁾ FY15 AMC OCO requirement</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 4: Fire Fighting Equipment							P-1 Line Item Number / Title: 824010 / FIRE FIGHTING/CRASH RESCUE VEHICLES					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0202834F, 0901279F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	23.794	10.152	10.419	-	10.419	12.706	13.742	14.682	15.766	-	101.261
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	23.794	10.152	10.419	-	10.419	12.706	13.742	14.682	15.766	-	101.261
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	23.794	10.152	10.419	-	10.419	12.706	13.742	14.682	15.766	-	101.261
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This P-1 line procures a variety of critical fire fighting and crash rescue vehicles. Vehicles typically include, but are not limited to, the following: -- The P-19 Crash Truck is an Air Rescue and Fire Fighting (ARFF) vehicle that is a first response vehicle on the scene of an aircraft fire emergency. It equips bases with the capability to rapidly extinguish aircraft fires. This truck is a mandatory flight line operations safety requirement and is essential at bases with a flying mission. The P-19 also provides fire fighting capability for Air National Guard and Air Force Reserve installations located at municipal airports. An installation's P-19 requirement is determined by the type of aircraft frequenting the aerial facility and the resulting gallons per minute of fire fighting agent required. This vehicle provides aircrew, passenger, weapons, and airframe fire protection at a crash site. -- The P-21 Aerial Lift Truck is a fire fighting vehicle with a 105 foot aerial ladder. It provides improved agent delivery over older model vehicles, as well as the capability to provide elevated delivery of agent involving high rise buildings and warehouse facilities. -- The P-22 4x2 and P-24 4x4 Pumper Trucks are designed primarily to fight structural fires. The trucks have a 750-gallon water tank and a 50-gallon Aqueous FilmFoam class "A" foam tank and are capable of applying 1250 gallons per minute. P-24 is built on a rugged 4x4 chassis that equips forces with limited off-road/rugged terrain capability. The P-22 4x2 Pumper Truck has the same fire fighting capability as the P-24, but is used in urban areas. -- The P-23 Crash Truck is a larger version of the P-19 ARFF truck and has a larger fire suppression capacity. It is primarily assigned at transport, bomber, depot, and cargo aircraft bases. -- The P-26 Water Tanker Truck is a 4000-gallon resupply truck used to support the ARFF vehicles, fight wild land fires, and provide mutual assistance to communities. -- The P-29 Brush Truck is intended to combat wild land and brush type fires. It has a 250 gallon water tank and can be equipped with a Compressed Air Foam System. The Brush Truck is no longer procurable and is being replaced by the P-29 Wild Land Firefighting Truck. -- The P-29 Wild Land Firefighting Truck is a four-person crew cab truck which contains a modular agent and pump and roll delivery system as well as firefighting tools and equipment. This truck is outfitted with a compressed air foam system (CAFS) and has a 500 gallon water tank. The truck is intended to combat wild land and brush type fires.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 4: Fire Fighting Equipment						P-1 Line Item Number / Title: 824010 / FIRE FIGHTING/CRASH RESCUE VEHICLES				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0202834F, 0901279F				
<p>-- The P-30 is a Medium Rescue Vehicle. It is designed to bring equipment, lighting, a winch, and a generator to the scene of a rescue event. This vehicle has 450 cubic feet of storage space and affords easy equipment access and improved storage compartments. This truck is assigned to the larger industrial bases.</p> <p>-- The P-31 Hazardous Material Vehicle is a dual purpose vehicle that stows and transports hazardous material response equipment for the purpose of mitigating chemical leaks, spills, and releases. This vehicle also provides an incident command workstation area for the purpose of research, command, control, and communications during containment/cleanup operations.</p> <p>-- The P-33 Quint Truck is a fire fighting truck with a 75 foot aerial ladder. It provides improved agent delivery over older models as well as the capability to provide elevated delivery of agent involving high rise and warehouse facilities.</p> <p>-- The P-34 is a first response Air Rescue and Fire Fighting (ARFF) vehicle which equips forces with initial "knock down" capability. The P-34 is the first fire truck to employ Ultra High Pressure (UHP) technology which allows the vehicle to discharge a mixture of water and foam at 1350 psi, this UHP technology makes the vehicle three times more effective than a conventional ARRF truck. The truck has a 400 gallon water tank and a 50 gallon foam tank along with a bumper turret and 200 feet of handline all mounted on an F-550 chassis.</p> <p>-- The Rapid Intervention Vehicle (RIV) is a first response aircraft fire truck; it is the newest addition to the Air Force's fleet of crash response vehicles. The RIV is the first vehicle in the AF to use new ultra high pressure (UHP) fire fighting technology which makes this truck 3 to 3.5 times more efficient at knock-down than conventional ARFF vehicles. This feature increases the length of time the vehicle can remain on the scene without having to be resupplied. Perched on an F550 chassis, the RIV is equipped with a 4-wheel drive train; it provides seating for four, equips fire fighters with limited storage for rescue equipment; has a bumper turret, a 200 ft hand line and a winch. Because of its size, speed and agility this truck can get to a crash scene quickly and perform fire fighting operations until the larger trucks can arrive at the scene.</p> <p>These vehicles are all built to meet the performance standards of the National Fire Protection Association (NFPA), Occupational Safety and Health Administration (OSHA), Federal Aviation Administration (FAA), and Air Force safety regulations.</p> <p>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.</p> <p>Funding for this exhibit contained in PE 0202834F, 0901279F.</p>										
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	21.774	10.152	10.419	-	10.419	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.020	-	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 4: Fire Fighting Equipment					P-1 Line Item Number / Title: 824010 / FIRE FIGHTING/CRASH RESCUE VEHICLES					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:				Other Related Program Elements: 0202834F, 0901279F			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	23.794	10.152	10.419	-	10.419	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 4: Fire Fighting Equipment					P-1 Line Item Number / Title: 824010 / FIRE FIGHTING/CRASH RESCUE VEHICLES			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0202834F, 0901279F		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
TRUCK, CRASH P-19 4210-00-406-9615	P-40a	A	- / -	3 / 2.012	2 / 1.295	- / -	- / -	- / -
TRUCK, AERIAL P-21 4210-01-057-0696	P-40a	A	- / -	1 / 0.826	1 / 0.920	1 / 0.913	- / -	1 / 0.913
TRUCK, PUMPER 4X2 P-22 4210-00-224-4564	P-40a	A	- / -	9 / 3.444	3 / 1.289	3 / 1.251	- / -	3 / 1.251
TRUCK, CRASH P-23 4210-00-702-6801	P-40a	A	- / -	1 / 0.856	2 / 1.410	1 / 0.875	- / -	1 / 0.875
TRUCK, PUMPER 4X4 P-24 4210-00-233-1538	P-40a	A	- / -	7 / 2.884	4 / 1.614	2 / 0.898	- / -	2 / 0.898
TRUCK, WATER TANKER P-26 4210-01-356-4907	P-40a	A	- / -	3 / 0.838	3 / 0.925	1 / 0.305	- / -	1 / 0.305
VEHICLE, MEDIUM RESCUE P-30 4210-01-452-5121	P-40a	A	- / -	1 / 0.226	2 / 0.477	- / -	- / -	- / -
TRUCK, QUINT P-33 4210-01-500-1083	P-40a	A	- / -	- / -	1 / 0.653	- / -	- / -	- / -
TRUCK, WILDLAND P-29 4210-01-483-1025	P-40a	A	- / -	3 / 0.886	2 / 0.697	2 / 0.676	- / -	2 / 0.676
TRUCK, HEAVY RESCUE P-28 4210-01-369-6048	P-40a	A	- / -	1 / 0.381	1 / 0.454	1 / 0.463	- / -	1 / 0.463
TRUCK, QUICK ATTACK P-34 4210-01-553-4534	P-40a	A	- / -	- / -	2 / 0.408	- / -	- / -	- / -
TRUCK, HAZMAT FIRE FIGHTING P31 4210-01-396-5219	P-40a	A	- / -	2 / 0.718	- / -	1 / 0.411	- / -	1 / 0.411
TRUCK, ARFF P19UHP 4210-01-608-7285	P-40a	A	- / -	7 / 4.557	- / -	3 / 1.888	- / -	3 / 1.888
TRUCK, ARFF P23UHP 4210-01-608-7287	P-40a	A	- / -	9 / 6.162	- / -	4 / 2.729	- / -	4 / 2.729
PMA OTHER GOVERNMENT COSTS	P-40a	A	- / -	- / 0.004	- / 0.010	- / 0.010	- / -	- / 0.010
Total Gross/Weapon System Cost			- / -	- / 23.794	- / 10.152	- / 10.419	- / -	- / 10.419
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
Justification: FY16 procurement dollars in the amount of \$10.419M procures, but is not limited to, 19 vehicles in support of installation and unit mission requirements for Air Force personnel.								

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 4						P-1 Line Item Number / Title: 824010 / FIRE FIGHTING/CRASH RESCUE VEHICLES									Aggregated Items Title: FIRE FIGHTING/CRASH RESCUE VEHICLES				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total					
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
Uncategorized																							
TRUCK, CRASH P-19 4210-00-406-9615	A		-	-	-	670,824.00	3	2.012	647,721.00	2	1.295	-	-	-	-	-	-	-	-				
Secondary Distribution																							
AF				-	-		3	2.012		2	1.295		-	-		-	-		-				
TRUCK, AERIAL P-21 4210-01-057-0696	A		-	-	-	825,815.00	1	0.826	919,754.00	1	0.920	913,063.00	1	0.913	-	-	-	913,063.00	1	0.913			
Secondary Distribution																							
AF				-	-		1	0.826		1	0.920		1	0.913		-	-		1	0.913			
TRUCK, PUMPER 4X2 P-22 4210-00-224-4564	A		-	-	-	382,685.00	9	3.444	429,544.00	3	1.289	417,088.00	3	1.251	-	-	-	417,088.00	3	1.251			
Secondary Distribution																							
AF				-	-		9	3.444		3	1.289		3	1.251		-	-		3	1.251			
TRUCK, CRASH P-23 4210-00-702-6801	A		-	-	-	856,063.00	1	0.856	704,948.00	2	1.410	875,216.00	1	0.875	-	-	-	875,216.00	1	0.875			
Secondary Distribution																							
AF				-	-		1	0.856		2	1.410		1	0.875		-	-		1	0.875			
TRUCK, PUMPER 4X4 P-24 4210-00-233-1538	A		-	-	-	411,986.00	7	2.884	403,462.00	4	1.614	449,024.00	2	0.898	-	-	-	449,024.00	2	0.898			
Secondary Distribution																							
AF				-	-		7	2.884		4	1.614		2	0.898		-	-		2	0.898			
TRUCK, WATER TANKER P-26 4210-01-356-4907	A		-	-	-	279,170.00	3	0.838	308,467.00	3	0.925	304,500.00	1	0.305	-	-	-	304,500.00	1	0.305			
Secondary Distribution																							
AF				-	-		3	0.838		3	0.925		1	0.305		-	-		1	0.305			
VEHICLE, MEDIUM RESCUE P-30 4210-01-452-5121	A		-	-	-	226,305.00	1	0.226	238,455.00	2	0.477	-	-	-	-	-	-	-	-	-			
Secondary Distribution																							
AF				-	-		1	0.226		2	0.477		-	-		-	-		-	-			
TRUCK, QUINT P-33 4210-01-500-1083	A		-	-	-	-	-	-	653,200.00	1	0.653	-	-	-	-	-	-	-	-	-			
Secondary Distribution																							
AF				-	-		-	-		1	0.653		-	-		-	-		-	-			
TRUCK, WILDLAND P-29 4210-01-483-1025	A		-	-	-	295,397.00	3	0.886	348,319.00	2	0.697	338,082.00	2	0.676	-	-	-	338,082.00	2	0.676			

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 4								P-1 Line Item Number / Title: 824010 / FIRE FIGHTING/CRASH RESCUE VEHICLES							Aggregated Items Title: FIRE FIGHTING/CRASH RESCUE VEHICLES				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Secondary Distribution																				
AF				-	-		3	0.886		2	0.697		2	0.676		-	-		2	0.676
TRUCK, HEAVY RESCUE P-28 4210-01-369-6048	A		-	-	-	380,500.00	1	0.381	454,409.00	1	0.454	463,285.00	1	0.463	-	-	-	463,285.00	1	0.463
Secondary Distribution																				
AF				-	-		1	0.381		1	0.454		1	0.463		-	-		1	0.463
TRUCK, QUICK ATTACK P-34 4210-01-553-4534	A		-	-	-	-	-	-	204,050.00	2	0.408	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		2	0.408		-	-		-	-		-	-
TRUCK, HAZMAT FIRE FIGHTING P31 4210-01-396-5219	A		-	-	-	358,901.00	2	0.718	-	-	-	410,762.00	1	0.411	-	-	-	410,762.00	1	0.411
Secondary Distribution																				
AF				-	-		2	0.718		-	-		1	0.411		-	-		1	0.411
TRUCK, ARFF P19UHP 4210-01-608-7285	A		-	-	-	651,023.00	7	4.557	-	-	-	629,281.00	3	1.888	-	-	-	629,281.00	3	1.888
Secondary Distribution																				
AF				-	-		6	3.906		-	-		3	1.888		-	-		3	1.888
AFNG				-	-		1	0.651		-	-		-	-		-	-		-	-
TRUCK, ARFF P23UHP 4210-01-608-7287	A		-	-	-	684,703.00	9	6.162	-	-	-	682,272.00	4	2.729	-	-	-	682,272.00	4	2.729
Secondary Distribution																				
AF				-	-		7	4.793		-	-		4	2.729		-	-		4	2.729
AFNG				-	-		2	1.369		-	-		-	-		-	-		-	-
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	0.004	-	-	0.010	-	-	0.010	-	-	-	-	-	0.010
Secondary Distribution																				
AF				-	-		-	0.004		-	0.010		-	0.010		-	-		-	0.010
Subtotal: Uncategorized			-	-	-	-	-	23.794	-	-	10.152	-	-	10.419	-	-	-	-	-	10.419
Total			-	-	-	-	-	23.794	-	-	10.152	-	-	10.419	-	-	-	-	-	10.419

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 4	P-1 Line Item Number / Title: 824010 / FIRE FIGHTING/CRASH RESCUE VEHICLES	Aggregated Items Title: FIRE FIGHTING/CRASH RESCUE VEHICLES

Remarks:

Unit Costs for FY16 are subject to change.

FY16 PMA Justification

PMA Justification for firefighting is to attend post award conferences on Air Rescue and Fire Fighting (ARFF) contracts, medium rescue trucks, new QUINT contracts, new RIV contract, new pumper contracts, production inspection of new pumper contracts, and Wildland contracts. Post award conferences are vital for the Air Force to have an opportunity to influence the design of the vehicle to Air Force standards. First production ensures the vendor has interpreted and translated the Air Force Commercial Item Description into a proper build. Travel is also required for First Article Production of ARFF and QUINT contracts. First Article Testing will ensure delivery of a suitable asset.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 5: Materials Handling Equipment	P-1 Line Item Number / Title: 825990 / Items Less Than \$5 Million
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	13.360	20.239	23.320	-	23.320	18.172	10.595	17.326	17.492	-	120.504
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	13.360	20.239	23.320	-	23.320	18.172	10.595	17.326	17.492	-	120.504
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	13.360	20.239	23.320	-	23.320	18.172	10.595	17.326	17.492	-	120.504
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY15 funding totals include \$5.131M appropriated for Overseas Contingency Operations.

This program includes various material handling vehicles with an individual item procurement value of less than \$5M. These vehicles consist of lifting trucks, sequencing trucks, and other warehouse equipment critical to depot and base supply operations.

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 these exhibits contained in PEs: 0202834F, 0207597F, 0208028F, 0401221F, 0402834F, 0502834F, 0702831F.

The FY 2016 funding request was reduced by \$1.307 million to account for the availability of prior execution balances.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	13.360	20.239	20.358	-	20.358	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 5: Materials Handling Equipment					P-1 Line Item Number / Title: 825990 / Items Less Than \$5 Million					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:				Other Related Program Elements:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Total: Secondary Distribution	Total Obligation Authority	-	-	2.962	-	2.962	-	-	-	-
	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	13.360	20.239	23.320	-	23.320	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 5: Materials Handling Equipment	P-1 Line Item Number / Title: 825990 / Items Less Than \$5 Million
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
13K AT NUC CERT FORKLIFT 0457CT	P-40a	A	- / -	5 / 1.232	- / -	7 / 1.127	- / -	7 / 1.127
FORKLIFT, 4K ELECTRIC STANDARD (9175)	P-40a	A	- / -	- / -	- / -	3 / 0.139	- / -	3 / 0.139
FORKLIFT, 2K ELECTRIC STANDARD (2580)	P-40a	A	- / -	2 / 0.061	- / -	2 / 0.060	- / -	2 / 0.060
FORKLIFT, 4K DED (0338)	P-40a	A	- / -	1 / 0.039	- / -	8 / 0.346	- / -	8 / 0.346
FORKLIFT, 4K COMMERCIAL (0885)	P-40a	A	- / -	- / -	- / -	6 / 0.246	- / -	6 / 0.246
FORKLIFT, 15K COMMERCIAL (1597)	P-40a	A	- / -	2 / 0.157	- / -	2 / 0.168	- / -	2 / 0.168
FORKLIFT, 6K RT (2157)	P-40a	A	- / -	- / -	4 / 0.488	- / -	- / -	- / -
TRUCK MOUNTED CONVEYOR BELT (5630)	P-40a	A	- / -	- / -	2 / 0.130	- / -	- / -	- / -
TRUCK, FORKLIFT NARROW AISLE 6K (4083)	P-40a	A	- / -	- / -	4 / 0.580	- / -	- / -	- / -
FORKLIFT, 6K DED (5219)	P-40a	A	- / -	29 / 0.947	44 / 2.244	35 / 1.729	- / -	35 / 1.729
4K AT 23.5FT RT BOOM FL (4756)	P-40a	A	- / -	- / -	10 / 1.160	- / -	- / -	- / -
6K FORKLIFT COMMERCIAL (0887)	P-40a	A	- / -	2 / 0.153	46 / 1.748	9 / 0.363	- / -	9 / 0.363
FAT 10K FORKLIFT AT (9695)	P-40a	A	- / -	4 / 0.790	12 / 2.304	21 / 4.236	- / -	21 / 4.236
10K STANDARD FORKLIFT (6897)	P-40a	A	- / -	32 / 2.626	60 / 5.460	12 / 1.073	- / -	12 / 1.073
3K ELECTRIC FORKLIFT (2185)	P-40a	A	- / -	1 / 0.023	- / -	- / -	- / -	- / -
6K ELECTRIC F/L (1157)	P-40a	A	- / -	2 / 0.076	- / -	- / -	- / -	- / -
10K 55' REACH TELEHANDLER (9312)	P-40a	A	- / -	72 / 7.252	- / -	99 / 13.827	- / -	99 / 13.827
F/L 11K EXTENDED BOOM (NSN TBD)	P-40a	A	- / -	- / -	33 / 4.092	- / -	- / -	- / -
EXTENDED BOOM ATTACHMENT	P-40a	A	- / -	- / -	7 / 2.028	- / -	- / -	- / -
PMA OTHER GOVERNMENT COSTS	P-40a	A	- / -	- / 0.004	- / 0.005	- / 0.006	- / -	- / 0.006
Total Gross/Weapon System Cost			- / -	- / 13.360	- / 20.239	- / 23.320	- / -	- / 23.320

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:

FY16 procurement dollars in the amount of \$23.320M will procure, but is not limited to 204 vehicles in support of installation and unit mission requirements for Air Force personnel.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 5						P-1 Line Item Number / Title: 825990 / Items Less Than \$5 Million									Aggregated Items Title: Items Less Than \$5 Million					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
13K AT NUC CERT FORKLIFT 0457CT	A		-	-	-	246,377.00	5	1.232	-	-	-	161,055.00	7	1.127	-	-	-	161,055.00	7	1.127
Secondary Distribution																				
AF				-	-		5	1.232		-	-		6	0.966		-	-		6	0.966
AFR				-	-		-	-		-	-		1	0.161		-	-		1	0.161
FORKLIFT, 4K ELECTRIC STANDARD (9175)	A		-	-	-	-	-	-	-	-	-	46,257.00	3	0.139	-	-	-	46,257.00	3	0.139
Secondary Distribution																				
AF				-	-		-	-		-	-		2	0.093		-	-		2	0.093
AFR				-	-		-	-		-	-		1	0.046		-	-		1	0.046
FORKLIFT, 2K ELECTRIC STANDARD (2580)	A		-	-	-	30,632.50	2	0.061	-	-	-	30,000.00	2	0.060	-	-	-	30,000.00	2	0.060
Secondary Distribution																				
AF				-	-		2	0.061		-	-		2	0.060		-	-		2	0.060
FORKLIFT, 4K DED (0338)	A		-	-	-	39,000.00	1	0.039	-	-	-	43,250.00	8	0.346	-	-	-	43,250.00	8	0.346
Secondary Distribution																				
AF				-	-		1	0.039		-	-		4	0.173		-	-		4	0.173
AFR				-	-		-	-		-	-		4	0.173		-	-		4	0.173
FORKLIFT, 4K COMMERCIAL (0885)	A		-	-	-	-	-	-	-	-	-	41,000.00	6	0.246	-	-	-	41,000.00	6	0.246
Secondary Distribution																				
AF				-	-		-	-		-	-		3	0.123		-	-		3	0.123
AFR				-	-		-	-		-	-		3	0.123		-	-		3	0.123
FORKLIFT, 15K COMMERCIAL (1597)	A		-	-	-	78,355.00	2	0.157	-	-	-	84,000.00	2	0.168	-	-	-	84,000.00	2	0.168
Secondary Distribution																				
AF				-	-		2	0.157		-	-		1	0.084		-	-		1	0.084
AFR				-	-		-	-		-	-		1	0.084		-	-		1	0.084
FORKLIFT, 6K RT (2157)	A		-	-	-	-	-	-	122,000.00	4	0.488	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		4	0.488		-	-		-	-		-	-
TRUCK MOUNTED CONVEYOR BELT (5630)	A		-	-	-	-	-	-	65,000.00	2	0.130	-	-	-	-	-	-	-	-	-
Secondary Distribution																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 5						P-1 Line Item Number / Title: 825990 / Items Less Than \$5 Million									Aggregated Items Title: Items Less Than \$5 Million					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
AF				-	-		-	-		2	0.130		-	-		-	-		-	-
TRUCK, FORKLIFT NARROW AISLE 6K (4083)	A		-	-	-	-	-	-	145,000.00	4	0.580	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		4	0.580		-	-		-	-		-	-
FORKLIFT, 6K DED (5219)	A		-	-	-	32,648.00	29	0.947	51,000.00	44	2.244	49,411.00	35	1.729	-	-	-	49,411.00	35	1.729
Secondary Distribution																				
AF				-	-		29	0.947		44	2.244		35	1.729		-	-		35	1.729
4K AT 23.5FT RT BOOM FL (4756)	A		-	-	-	-	-	-	116,000.00	10	1.160	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		10	1.160		-	-		-	-		-	-
6K FORKLIFT COMMERCIAL (0887)	A		-	-	-	76,504.00	2	0.153	38,000.00	46	1.748	40,352.78	9	0.363	-	-	-	40,352.78	9	0.363
Secondary Distribution																				
AF				-	-		2	0.153		46	1.748		9	0.363		-	-		9	0.363
FAT 10K FORKLIFT AT (9695)	A		-	-	-	197,449.00	4	0.790	192,000.00	12	2.304	201,702.00	21	4.236	-	-	-	201,702.00	21	4.236
Secondary Distribution																				
AF				-	-		4	0.790		12	2.304		11	2.219		-	-		11	2.219
AFR				-	-		-	-		-	-		10	2.017		-	-		10	2.017
10K STANDARD FORKLIFT (6897)	A		-	-	-	82,056.00	32	2.626	91,000.00	60	5.460	89,417.00	12	1.073	-	-	-	89,417.00	12	1.073
Secondary Distribution																				
AF				-	-		32	2.626		60	5.460		8	0.715		-	-		8	0.715
AFR				-	-		-	-		-	-		4	0.358		-	-		4	0.358
3K ELECTRIC FORKLIFT (2185)	A		-	-	-	23,120.00	1	0.023	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		1	0.023		-	-		-	-		-	-		-	-
6K ELECTRIC F/L (1157)	A		-	-	-	37,966.00	2	0.076	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		2	0.076		-	-		-	-		-	-		-	-
10K 55' REACH TELEHANDLER (9312)	A		-	-	-	100,725.00	72	7.252	-	-	-	139,662.00	99	13.827	-	-	-	139,662.00	99	13.827
Secondary Distribution																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 5								P-1 Line Item Number / Title: 825990 / Items Less Than \$5 Million							Aggregated Items Title: Items Less Than \$5 Million				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
AF				-	-		72	7.252		-	-		99	13.827		-	-		99	13.827
F/L 11K EXTENDED BOOM (NSN TBD)	A		-	-	-	-	-	-	124,000.00	33	4.092	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		-	-		33	4.092		-	-		-	-		-	-
EXTENDED BOOM ATTACHMENT	A		-	-	-	-	-	-	289,714.29	7	2.028	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		-	-		7	2.028		-	-		-	-		-	-
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	0.004	-	-	0.005	-	-	0.006	-	-	-	-	-	0.006
<i>Secondary Distribution</i>																				
AF				-	-		-	0.004		-	0.005		-	0.006		-	-		-	0.006
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	13.360	-	-	20.239	-	-	23.320	-	-	-	-	-	23.320
Total			-	-	-	-	-	13.360	-	-	20.239	-	-	23.320	-	-	-	-	-	23.320

Remarks:

FY16 PMA JUSTIFICATION:

PMA funds will be used for TDY's to witness First Article Testing of contractors' manufacturing forklifts to be nuclear certified. Kirtland AFB requires that nuclear certified testing be witnessed by the engineer as this equipment will be used to handle nuclear assets.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 6: Base Maintenance Support	P-1 Line Item Number / Title: 826210 / Runway Snow Remov & Cleaning Equip
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	8.054	11.946	6.215	-	6.215	2.329	3.820	2.999	2.992	-	38.355
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	8.054	11.946	6.215	-	6.215	2.329	3.820	2.999	2.992	-	38.355
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	8.054	11.946	6.215	-	6.215	2.329	3.820	2.999	2.992	-	38.355
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY15 funding totals include \$1.734M appropriated for Overseas Contingency Operations.

This program procures snow removal vehicles and commercial sweepers used on all airfield surfaces to remove snow and help prevent foreign object damage (FOD) to aircraft engines and tires. Snow removal equipment includes front mounted brooms, multi-purpose blowers, and plows. These vehicles provide critical mission support to airfield operations because fighter aircraft cannot land or take off with ice on the runway. Multi-purpose vacuum sweepers maintain airfields, roads, and grounds. Vacuum sweepers provide equally important support at all air bases due to the high cost of FOD and the potential for loss in FOD-related engine accidents.

These assets are critical to the Air Force mission. They are the primary equipment used for snow, ice, and debris removal from runways and taxiways year round. The vital functions of these vehicles prevent the closing of airfields due to debris and/or snow and ice buildup.

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 PEs: 0202834F, 0208028F, 0402834F, 0502834F, 0502844F, 0702831F.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	6.068	9.774	5.389	-	5.389	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 6: Base Maintenance Support					P-1 Line Item Number / Title: 826210 / Runway Snow Remov & Cleaning Equip					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:				Other Related Program Elements:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AFR	Total Obligation Authority	1.692	1.878	0.661	-	0.661	-	-	-	-
	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.294	0.294	0.165	-	0.165	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.054	11.946	6.215	-	6.215	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 6: Base Maintenance Support				P-1 Line Item Number / Title: 826210 / Runway Snow Remov & Cleaning Equip				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
CLEANER, VAC MULTIPURPOSE (2438) ⁽¹⁾	P-40a	A	- / -	19 / 2.879	13 / 2.144	28 / 4.624	- / -	28 / 4.624
RAPID RUNWAY REPAIR DIRT SWEEPER (1997) ⁽²⁾	P-40a	A	- / -	12 / 0.842	6 / 0.455	5 / 0.381	- / -	5 / 0.381
54K PLOW (7657)	P-40a	A	- / -	1 / 0.294	2 / 0.710	1 / 0.359	- / -	1 / 0.359
DUMP W/SNOW PLOW (3963)	P-40a	A	- / -	- / -	3 / 0.441	1 / 0.139	- / -	1 / 0.139
SNOW BROOM AND BLOWER (3770)	P-40a	A	- / -	6 / 2.445	3 / 1.587	- / -	- / -	- / -
SNOW REMOVAL UNIT 3K TON PER HOUR (5554)	P-40a	A	- / -	- / -	7 / 4.263	- / -	- / -	- / -
45K REVERSIBLE PLOW (1944) ⁽³⁾	P-40a	A	- / -	5 / 1.588	6 / 2.334	2 / 0.711	- / -	2 / 0.711
PMA OTHER GOVERNMENT COSTS	P-40a	A	- / -	- / 0.006	- / 0.012	- / 0.001	- / -	- / 0.001
Total Gross/Weapon System Cost			- / -	- / 8.054	- / 11.946	- / 6.215	- / -	- / 6.215
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:

FY16 Procurement dollars in the amount of \$6.215M procures, but is not limited to, 37 vehicles in support of installation and unit mission requirements to Air Force Personnel.

Footnotes:

⁽¹⁾ FY15 OCO Airfield Damage Repair

⁽²⁾ FY15 OCO Airfield Damage Repair

⁽³⁾ FY15 OCO AMC

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 6						P-1 Line Item Number / Title: 826210 / Runway Snow Remov & Cleaning Equip									Aggregated Items Title: Runway Snow Remov & Cleaning Equip					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
CLEANER, VAC MULTIPURPOSE (2438) ⁽¹⁾	A		-	-	-	151,522.84	19	2.879	164,923.08	13	2.144	165,131.00	28	4.624	-	-	-	165,131.00	28	4.624
Secondary Distribution																				
AF				-	-		18	2.728		9	1.484		23	3.798		-	-		23	3.798
AFNG				-	-		1	0.151		4	0.660		4	0.661		-	-		4	0.661
AFR				-	-		-	-		-	-		1	0.165		-	-		1	0.165
RAPID RUNWAY REPAIR DIRT SWEEPER (1997) ⁽²⁾	A		-	-	-	70,161.08	12	0.842	75,833.33	6	0.455	76,233.00	5	0.381	-	-	-	76,233.00	5	0.381
Secondary Distribution																				
AF				-	-		12	0.842		6	0.455		5	0.381		-	-		5	0.381
54K PLOW (7657)	A		-	-	-	294,390.00	1	0.294	355,000.00	2	0.710	358,720.00	1	0.359	-	-	-	358,720.00	1	0.359
Secondary Distribution																				
AF				-	-		-	-		2	0.710		1	0.359		-	-		1	0.359
AFR				-	-		1	0.294		-	-		-	-		-	-		-	-
DUMP W/SNOW PLOW (3963)	A		-	-	-	-	-	-	147,000.00	3	0.441	139,095.00	1	0.139	-	-	-	139,095.00	1	0.139
Secondary Distribution																				
AF				-	-		-	-		1	0.147		1	0.139		-	-		1	0.139
AFR				-	-		-	-		2	0.294		-	-		-	-		-	-
SNOW BROOM AND BLOWER (3770)	A		-	-	-	407,486.50	6	2.445	529,000.00	3	1.587	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		3	1.222		3	1.587		-	-		-	-		-	-
AFNG				-	-		3	1.223		-	-		-	-		-	-		-	-
SNOW REMOVAL UNIT 3K TON PER HOUR (5554)	A		-	-	-	-	-	-	609,000.00	7	4.263	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		5	3.045		-	-		-	-		-	-
AFNG				-	-		-	-		2	1.218		-	-		-	-		-	-
45K REVERSIBLE PLOW (1944) ⁽³⁾	A		-	-	-	317,618.50	5	1.588	389,000.00	6	2.334	355,663.00	2	0.711	-	-	-	355,663.00	2	0.711
Secondary Distribution																				
AF				-	-		4	1.270		6	2.334		2	0.711		-	-		2	0.711
AFNG				-	-		1	0.318		-	-		-	-		-	-		-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 6								P-1 Line Item Number / Title: 826210 / Runway Snow Remov & Cleaning Equip							Aggregated Items Title: Runway Snow Remov & Cleaning Equip				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	0.006	-	-	0.012	-	-	0.001	-	-	-	-	-	0.001
<i>Secondary Distribution</i>																				
AF				-	-		-	0.006		-	0.012		-	0.001		-	-		-	0.001
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	8.054	-	-	11.946	-	-	6.215	-	-	-	-	-	6.215
Total			-	-	-	-	-	8.054	-	-	11.946	-	-	6.215	-	-	-	-	-	6.215

Remarks:

Unit costs for FY16 are subject to change.

FY16 PMA JUSTIFICATION:

--Funds from PMA will be used for TDYs to the American Public Works Association Western Snow and Ice Meeting. By attending these expos and meetings, AF personnel can write specifications that are generic in nature with the different manufacturers and thus develop a more competitive supplier environment that will reduce costs and still meet the needs of our customers.

Footnotes:

- (1) FY15 OCO Airfield Damage Repair
- (2) FY15 OCO Airfield Damage Repair
- (3) FY15 OCO AMC

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 6: Base Maintenance Support	P-1 Line Item Number / Title: 826990 / Items Less Than \$5 Million
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	58.600	79.049	87.781	-	87.781	47.208	61.310	61.104	61.157	-	456.209
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	58.600	79.049	87.781	-	87.781	47.208	61.310	61.104	61.157	-	456.209
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	58.600	79.049	87.781	-	87.781	47.208	61.310	61.104	61.157	-	456.209
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY15 funding total includes \$22M appropriated for Overseas Contingency Operations.

This vehicle group consist of maintenance/test vans, water distribution trucks and heavy construction equipment (dozers, large cranes, large dump trucks, rock crushers, motorized scrapers, well-drilling vehicles, compactors, wheel loaders, graders, cement mixers, paving machines, excavators, sewer trucks, refuse trucks, trenches and backhoes). The assets are critical to the Air Force mission and are crucial to keeping many sortie generation/sortie sustainment missions supported and operational. The types of items contained in this P-1 line are critical (deployed) assets used in direct support of Air Force units engaged in contingency operations.

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 PEs: 0202834F, 0207227F, 0208028F, 0401221F, 0402834F, 0502834F, 0502844F, 0702831F.

The FY2016 funding request was reduced by \$8.285M to account for the availability of prior execution balances.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	58.600	79.049	85.221	-	85.221	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	2.258	-	2.258	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 6: Base Maintenance Support						P-1 Line Item Number / Title: 826990 / Items Less Than \$5 Million				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	0.302	-	0.302	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	58.600	79.049	87.781	-	87.781	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 6: Base Maintenance Support				P-1 Line Item Number / Title: 826990 / Items Less Than \$5 Million				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
DUMP TRUCK, 6X4, 64k GVW (6043)	P-40a	A	- / -	- / -	5 / 0.810	- / -	- / -	- / -
5 TON DUMP TRUCK (2320-00-706-5348)	P-40a	A	- / -	- / -	- / -	5 / 0.535	- / -	5 / 0.535
2.5 CY SCOOP LOADER FT (3805-00-728-9718)	P-40a	A	- / -	- / -	- / -	3 / 0.837	- / -	3 / 0.837
EXCAVATOR DIESEL ENGINE DRIVEN PT (3805-01-106-7176) ⁽¹⁾	P-40a	A	- / -	34 / 8.293	34 / 11.764	47 / 16.450	- / -	47 / 16.450
WHEELED DITCHING MACHINE (3805-01-032-9974)	P-40a	A	- / -	1 / 0.126	1 / 0.129	5 / 0.849	- / -	5 / 0.849
CRANE 30 TON (3810-01-513-2990)	P-40a	A	- / -	- / -	2 / 0.704	- / -	- / -	- / -
2.5 CY SCOOP LDR PT (3805-00-260-1967)	P-40a	A	- / -	- / -	- / -	8 / 1.176	- / -	8 / 1.176
1.5 CY SCOOP LDR W/Q CPLR (3805-01-074-8111)	P-40a	A	- / -	- / -	4 / 0.484	6 / 0.756	- / -	6 / 0.756
4 CY SCOOP LDR PT (3805-01-075-1816) ⁽²⁾	P-40a	A	- / -	23 / 5.211	30 / 8.040	25 / 6.800	- / -	25 / 6.800
SCOOP LDR W/BKHOE (3805-00-148-2169)	P-40a	A	- / -	- / -	2 / 0.154	5 / 0.396	- / -	5 / 0.396
SCOOP LOADER, SKID STEER 1CY (3805-01-257-5636)	P-40a	A	- / -	1 / 0.043	30 / 1.230	11 / 0.584	- / -	11 / 0.584
DISTR BIT TRK MTD (3895-00-352-8105)	P-40a	A	- / -	- / -	1 / 0.156	- / -	- / -	- / -
PAVING MACH BITU (3895-01-057-5288)	P-40a	A	- / -	- / -	1 / 0.370	1 / 0.333	- / -	1 / 0.333
ROLLER MOT PT SP 15T (3895-00-078-5898) ⁽³⁾	P-40a	A	- / -	18 / 1.297	12 / 1.200	25 / 2.021	- / -	25 / 2.021
RLR RD MTZ TANDEM (3895-00-243-6797)	P-40a	A	- / -	- / -	2 / 0.074	- / -	- / -	- / -
RLR VIB TYPE II (3895-01-071-5625) ⁽⁴⁾	P-40a	A	- / -	17 / 1.987	13 / 1.677	9 / 1.186	- / -	9 / 1.186
1500G WATER DISTR (3825-00-554-1808) ⁽⁵⁾	P-40a	A	- / -	23 / 3.469	17 / 2.123	40 / 5.102	- / -	40 / 5.102
TRAC IND IW-70 (2420-00-113-8984)	P-40a	A	- / -	2 / 0.094	11 / 0.484	10 / 0.450	- / -	10 / 0.450
DOZER T7 (2410-00-756-1161) ⁽⁶⁾	P-40a	A	- / -	4 / 1.106	20 / 8.240	2 / 0.634	- / -	2 / 0.634
GRADER, SIZE V, TYPE III (3805-01-337-4624) ⁽⁷⁾	P-40a	A	- / -	1 / 0.212	8 / 1.656	7 / 1.362	- / -	7 / 1.362
TRACTOR, WHLD IND. (2420-01-536-8542)	P-40a	A	- / -	- / -	3 / 0.447	- / -	- / -	- / -
SEWER TRK TANDEM AXLE (2320-01-500-5501)	P-40a	A	- / -	1 / 0.354	3 / 1.155	5 / 1.928	- / -	5 / 1.928
WATER WAGON (3825-01-539-6813)	P-40a	A	- / -	- / -	1 / 1.022	- / -	- / -	- / -
TLR DITCHING MACH (2330-01-079-4053)	P-40a	A	- / -	- / -	3 / 0.090	5 / 0.150	- / -	5 / 0.150
CR HYD TRK 100-150T (3810-01-259-9992)	P-40a	A	- / -	- / -	1 / 0.972	- / -	- / -	- / -
GRADER, SZ 6 (3805-01-373-5314)	P-40a	A	- / -	1 / 0.190	12 / 2.436	4 / 0.843	- / -	4 / 0.843
SCRAPER MOTORIZED (5512)	P-40a	A	- / -	- / -	2 / 2.392	- / -	- / -	- / -
COMPACTOR SHEEPS (3805-01-359-7626)	P-40a	A	- / -	- / -	1 / 0.443	- / -	- / -	- / -
7.5 T CRANE (3810-01-106-3991)	P-40a	A	- / -	- / -	8 / 3.208	4 / 1.534	- / -	4 / 1.534
GRADER SZ 7 (3805-01-375-1906)	P-40a	A	- / -	2 / 0.747	6 / 4.242	2 / 1.440	- / -	2 / 1.440
TLR MANHOLE CLNR (3295)	P-40a	A	- / -	- / -	1 / 0.058	- / -	- / -	- / -
TRUCK, DUMP (2320-01-344-9282) ⁽⁸⁾	P-40a	A	- / -	17 / 2.209	23 / 2.659	55 / 6.367	- / -	55 / 6.367
COMPACTOR TRACK LOADER (3805-01-603-8653)	P-40a	A	- / -	90 / 10.529	30 / 10.500	130 / 9.918	- / -	130 / 9.918

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 6: Base Maintenance Support	P-1 Line Item Number / Title: 826990 / Items Less Than \$5 Million
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
EXCAVATOR ATTACHMENTS (NSN TBD) ⁽⁹⁾	P-40a	A	- / -	- / -	12 / 0.639	- / -	- / -	- / -
CTL ATTACHMENTS (NSN TBD) ⁽¹⁰⁾	P-40a	A	- / -	- / -	6 / 1.892	- / -	- / -	- / -
DRIER-MXR, BIT CONCR 3895-01-624-1958 ⁽¹¹⁾	P-40a	A	- / -	41 / 10.046	18 / 2.088	35 / 8.680	- / -	35 / 8.680
ASPHALT MIXER PLANT 3895-00-221-1805 ⁽¹²⁾	P-40a	A	- / -	- / -	16 / 2.312	- / -	- / -	- / -
COMPACT TRACK LOADER (NSN TBD) ⁽¹³⁾	P-40a	A	- / -	- / -	30 / 2.250	- / -	- / -	- / -
2000 GAL WATER TANK (3825-01-624-1963) ⁽¹⁴⁾	P-40a	A	- / -	127 / 8.623	27 / 0.945	105 / 2.310	- / -	105 / 2.310
MIXER, BITUMINOUS MA (3895-01-627-1341)	P-40a	A	- / -	20 / 4.061	- / -	12 / 6.480	- / -	12 / 6.480
T11 DOZER (2410-00-731-7872)	P-40a	A	- / -	- / -	- / -	1 / 0.580	- / -	1 / 0.580
MIXER CON TRLR MTD (3895-01-005-5422)	P-40a	A	- / -	- / -	- / -	5 / 1.533	- / -	5 / 1.533
COMPACT EXCAVATOR CRAWLER (3805-01-565-8767)	P-40a	A	- / -	- / -	- / -	8 / 2.829	- / -	8 / 2.829
SCRAPPER MOTORIZED 18CY (9778)	P-40a	A	- / -	- / -	- / -	4 / 2.017	- / -	4 / 2.017
CRUSH-SCREEN 150TH 3820-00-060-1841	P-40a	A	- / -	- / -	- / -	1 / 1.700	- / -	1 / 1.700
PMA OTHER GOVERNMENT COSTS	P-40a	A	- / -	- / 0.003	- / 0.004	- / 0.001	- / -	- / 0.001
Total Gross/Weapon System Cost			- / -	- / 58.600	- / 79.049	- / 87.781	- / -	- / 87.781

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:

FY16 procurement dollars in the amount of \$87.781M procures, but is not limited to 591 vehicles in support of installation and unit mission requirements for Air Force personnel.

Footnotes:

- ⁽¹⁾ Airfield Damage Repair FY15 OCO requirements
- ⁽²⁾ Airfield Damage Repair FY15 OCO requirements
- ⁽³⁾ Airfield Damage Repair FY15 OCO requirements
- ⁽⁴⁾ Airfield Damage Repair FY15 OCO requirements
- ⁽⁵⁾ Airfield Damage Repair FY15 OCO requirements
- ⁽⁶⁾ Airfield Damage Repair FY15 OCO requirements
- ⁽⁷⁾ Airfield Damage Repair FY15 OCO requirements
- ⁽⁸⁾ Airfield Damage Repair FY15 OCO requirements
- ⁽⁹⁾ Airfield Damage Repair FY15 OCO requirements
- ⁽¹⁰⁾ Airfield Damage Repair FY15 OCO requirements
- ⁽¹¹⁾ Airfield Damage Repair FY15 OCO requirements

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 6: Base Maintenance Support		P-1 Line Item Number / Title: 826990 / Items Less Than \$5 Million
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<div>(12) Airfield Damage Repair FY15 OCO requirements</div> <div>(13) Airfield Damage Repair FY15 OCO requirements</div> <div>(14) Airfield Damage Repair FY15 OCO requirements</div>		

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 6						P-1 Line Item Number / Title: 826990 / Items Less Than \$5 Million									Aggregated Items Title: Items Less Than \$5 Million					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
DUMP TRUCK, 6X4, 64k GVW (6043)	A		-	-	-	-	-	-	162,000.00	5	0.810	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		5	0.810		-	-		-	-		-	-
5 TON DUMP TRUCK (2320-00-706-5348)	A		-	-	-	-	-	-	-	-	-	107,000.00	5	0.535	-	-	-	107,000.00	5	0.535
Secondary Distribution																				
AF				-	-		-	-		-	-		5	0.535		-	-		5	0.535
2.5 CY SCOOP LOADER FT (3805-00-728-9718)	A		-	-	-	-	-	-	-	-	-	279,000.00	3	0.837	-	-	-	279,000.00	3	0.837
Secondary Distribution																				
AF				-	-		-	-		-	-		3	0.837		-	-		3	0.837
EXCAVATOR DIESEL ENGINE DRIVEN PT (3805-01-106-7176) (1)	A		-	-	-	243,922.00	34	8.293	346,000.00	34	11.764	350,000.00	47	16.450	-	-	-	350,000.00	47	16.450
Secondary Distribution																				
AF				-	-		34	8.293		34	11.764		47	16.450		-	-		47	16.450
WHEELED DITCHING MACHINE (3805-01-032-9974)	A		-	-	-	126,441.00	1	0.126	129,000.00	1	0.129	169,700.00	5	0.849	-	-	-	169,700.00	5	0.849
Secondary Distribution																				
AF				-	-		1	0.126		1	0.129		-	-		-	-		-	-
AFNG				-	-		-	-		-	-		4	0.679		-	-		4	0.679
AFR				-	-		-	-		-	-		1	0.170		-	-		1	0.170
CRANE 30 TON (3810-01-513-2990)	A		-	-	-	-	-	-	352,000.00	2	0.704	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		2	0.704		-	-		-	-		-	-
2.5 CY SCOOP LDR PT (3805-00-260-1967)	A		-	-	-	-	-	-	-	-	-	147,000.00	8	1.176	-	-	-	147,000.00	8	1.176
Secondary Distribution																				
AF				-	-		-	-		-	-		8	1.176		-	-		8	1.176
1.5 CY SCOOP LDR W/Q CPLR (3805-01-074-8111)	A		-	-	-	-	-	-	121,000.00	4	0.484	126,000.00	6	0.756	-	-	-	126,000.00	6	0.756
Secondary Distribution																				
AF				-	-		-	-		4	0.484		6	0.756		-	-		6	0.756

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 6							P-1 Line Item Number / Title: 826990 / Items Less Than \$5 Million								Aggregated Items Title: Items Less Than \$5 Million					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
4 CY SCOOP LDR PT (3805-01-075-1816) (2)	A		-	-	-	226,550.00	23	5.211	268,000.00	30	8.040	272,000.00	25	6.800	-	-	-	272,000.00	25	6.800
Secondary Distribution																				
AF				-	-		23	5.211		30	8.040		25	6.800		-	-		25	6.800
SCOOP LDR W/BKHOE (3805-00-148-2169)	A		-	-	-	-	-	-	77,000.00	2	0.154	79,200.00	5	0.396	-	-	-	79,200.00	5	0.396
Secondary Distribution																				
AF				-	-		-	-		2	0.154		3	0.238		-	-		3	0.238
AFNG				-	-		-	-		-	-		1	0.079		-	-		1	0.079
AFR				-	-		-	-		-	-		1	0.079		-	-		1	0.079
SCOOP LOADER, SKID STEER 1CY (3805-01-257-5636)	A		-	-	-	43,499.00	1	0.043	41,000.00	30	1.230	53,063.64	11	0.584	-	-	-	53,063.64	11	0.584
Secondary Distribution																				
AF				-	-		1	0.043		30	1.230		6	0.319		-	-		6	0.319
AFNG				-	-		-	-		-	-		4	0.212		-	-		4	0.212
AFR				-	-		-	-		-	-		1	0.053		-	-		1	0.053
DISTR BIT TRK MTD (3895-00-352-8105)	A		-	-	-	-	-	-	156,000.00	1	0.156	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		1	0.156		-	-		-	-		-	-
PAVING MACH BITU (3895-01-057-5288)	A		-	-	-	-	-	-	370,000.00	1	0.370	333,450.00	1	0.333	-	-	-	333,450.00	1	0.333
Secondary Distribution																				
AF				-	-		-	-		1	0.370		1	0.333		-	-		1	0.333
ROLLER MOT PT SP 15T (3895-00-078-5898) (3)	A		-	-	-	72,043.00	18	1.297	100,000.00	12	1.200	80,840.00	25	2.021	-	-	-	80,840.00	25	2.021
Secondary Distribution																				
AF				-	-		18	1.297		12	1.200		25	2.021		-	-		25	2.021
RLR RD MTZ TANDEM (3895-00-243-6797)	A		-	-	-	-	-	-	37,000.00	2	0.074	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		2	0.074		-	-		-	-		-	-

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 6						P-1 Line Item Number / Title: 826990 / Items Less Than \$5 Million									Aggregated Items Title: Items Less Than \$5 Million					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
RLR VIB TYPE II (3895-01-071-5625) (4)	A		-	-	-	116,882.00	17	1.987	129,000.00	13	1.677	131,736.00	9	1.186	-	-	-	131,736.00	9	1.186
Secondary Distribution																				
AF				-	-		17	1.987		13	1.677		9	1.186		-	-		9	1.186
1500G WATER DISTR (3825-00-554-1808) (5)	A		-	-	-	150,805.00	23	3.469	124,879.00	17	2.123	127,544.00	40	5.102	-	-	-	127,544.00	40	5.102
Secondary Distribution																				
AF				-	-		23	3.469		17	2.123		40	5.102		-	-		40	5.102
TRAC IND IW-70 (2420-00-113-8984)	A		-	-	-	46,776.00	2	0.094	44,000.00	11	0.484	45,000.00	10	0.450	-	-	-	45,000.00	10	0.450
Secondary Distribution																				
AF				-	-		2	0.094		11	0.484		6	0.270		-	-		6	0.270
AFNG				-	-		-	-		-	-		4	0.180		-	-		4	0.180
DOZER T7 (2410-00-756-1161) (6)	A		-	-	-	276,401.00	4	1.106	412,000.00	20	8.240	317,000.00	2	0.634	-	-	-	317,000.00	2	0.634
Secondary Distribution																				
AF				-	-		4	1.106		20	8.240		1	0.317		-	-		1	0.317
AFNG				-	-		-	-		-	-		1	0.317		-	-		1	0.317
GRADER, SIZE V, TYPE III (3805-01-337-4624) (7)	A		-	-	-	211,837.00	1	0.212	207,000.00	8	1.656	194,571.00	7	1.362	-	-	-	194,571.00	7	1.362
Secondary Distribution																				
AF				-	-		1	0.212		8	1.656		7	1.362		-	-		7	1.362
TRACTOR, WHLD IND. (2420-01-536-8542)	A		-	-	-	-	-	-	149,000.00	3	0.447	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		3	0.447		-	-		-	-		-	-
SEWER TRK TANDEM AXLE (2320-01-500-5501)	A		-	-	-	353,812.00	1	0.354	385,000.00	3	1.155	385,600.00	5	1.928	-	-	-	385,600.00	5	1.928
Secondary Distribution																				
AF				-	-		1	0.354		3	1.155		5	1.928		-	-		5	1.928
WATER WAGON (3825-01-539-6813)	A		-	-	-	-	-	-	1,022K	1	1.022	-	-	-	-	-	-	-	-	-
Secondary Distribution																				

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 6						P-1 Line Item Number / Title: 826990 / Items Less Than \$5 Million									Aggregated Items Title: Items Less Than \$5 Million					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
AF				-	-		-	-		1	1.022		-	-		-	-		-	-
TLR DITCHING MACH (2330-01-079-4053)	A		-	-	-	-	-	-	30,000.00	3	0.090	30,059.00	5	0.150	-	-	-	30,059.00	5	0.150
Secondary Distribution																				
AF				-	-		-	-		3	0.090		4	0.120		-	-		4	0.120
AFNG				-	-		-	-		-	-		1	0.030		-	-		1	0.030
CR HYD TRK 100-150T (3810-01-259-9992)	A		-	-	-	-	-	-	972,000.00	1	0.972	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		1	0.972		-	-		-	-		-	-
GRADER, SZ 6 (3805-01-373-5314)	A		-	-	-	190,499.00	1	0.190	203,000.00	12	2.436	210,750.00	4	0.843	-	-	-	210,750.00	4	0.843
Secondary Distribution																				
AF				-	-		1	0.190		12	2.436		4	0.843		-	-		4	0.843
SCRAPER MOTORIZED (5512)	A		-	-	-	-	-	-	1,196K	2	2.392	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		2	2.392		-	-		-	-		-	-
COMPACTOR SHEEPS (3805-01-359-7626)	A		-	-	-	-	-	-	443,000.00	1	0.443	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		1	0.443		-	-		-	-		-	-
7.5 T CRANE (3810-01-106-3991)	A		-	-	-	-	-	-	401,000.00	8	3.208	383,500.00	4	1.534	-	-	-	383,500.00	4	1.534
Secondary Distribution																				
AF				-	-		-	-		8	3.208		4	1.534		-	-		4	1.534
GRADER SZ 7 (3805-01-375-1906)	A		-	-	-	373,589.00	2	0.747	707,000.00	6	4.242	720,000.00	2	1.440	-	-	-	720,000.00	2	1.440
Secondary Distribution																				
AF				-	-		2	0.747		6	4.242		2	1.440		-	-		2	1.440
TLR MANHOLE CLNR (3295)	A		-	-	-	-	-	-	58,000.00	1	0.058	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		1	0.058		-	-		-	-		-	-
TRUCK, DUMP (2320-01-344-9282) (8)	A		-	-	-	129,964.00	17	2.209	115,597.00	23	2.659	115,765.00	55	6.367	-	-	-	115,765.00	55	6.367

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 6						P-1 Line Item Number / Title: 826990 / Items Less Than \$5 Million									Aggregated Items Title: Items Less Than \$5 Million					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Secondary Distribution																				
AF				-	-		17	2.209		23	2.659		55	6.367		-	-		55	6.367
COMPACTOR TRACK LOADER (3805-01-603-8653)	A		-	-	-	116,988.89	90	10.529	350,000.00	30	10.500	76,293.00	130	9.918	-	-	-	76,293.00	130	9.918
Secondary Distribution																				
AF				-	-		90	10.529		30	10.500		130	9.918		-	-		130	9.918
EXCAVATOR ATTACHMENTS (NSN TBD) ⁽⁹⁾	A		-	-	-	-	-	-	53,250.00	12	0.639	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		12	0.639		-	-		-	-		-	-
CTL ATTACHMENTS (NSN TBD) ⁽¹⁰⁾	A		-	-	-	-	-	-	315,333.00	6	1.892	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		6	1.892		-	-		-	-		-	-
DRIER-MXR, BIT CONCR 3895-01-624-1958 ⁽¹¹⁾	A		-	-	-	245,017.00	41	10.046	116,000.00	18	2.088	248,000.00	35	8.680	-	-	-	248,000.00	35	8.680
Secondary Distribution																				
AF				-	-		41	10.046		18	2.088		35	8.680		-	-		35	8.680
ASPHALT MIXER PLANT 3895-00-221-1805 ⁽¹²⁾	A		-	-	-	-	-	-	144,500.00	16	2.312	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		16	2.312		-	-		-	-		-	-
COMPACT TRACK LOADER (NSN TBD) ⁽¹³⁾	A		-	-	-	-	-	-	75,000.00	30	2.250	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		30	2.250		-	-		-	-		-	-
2000 GAL WATER TANK (3825-01-624-1963) ⁽¹⁴⁾	A		-	-	-	67,896.00	127	8.623	35,000.00	27	0.945	22,000.00	105	2.310	-	-	-	22,000.00	105	2.310
Secondary Distribution																				
AF				-	-		127	8.623		27	0.945		105	2.310		-	-		105	2.310
MIXER, BITUMINOUS MA (3895-01-627-1341)	A		-	-	-	203,046.00	20	4.061	-	-	-	540,000.00	12	6.480	-	-	-	540,000.00	12	6.480

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 6								P-1 Line Item Number / Title: 826990 / Items Less Than \$5 Million							Aggregated Items Title: Items Less Than \$5 Million					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Secondary Distribution																				
AF				-	-		20	4.061		-	-		12	6.480		-	-		12	6.480
T11 DOZER (2410-00-731-7872)	A		-	-	-	-	-	-	-	-	-	580,450.00	1	0.580	-	-	-	580,450.00	1	0.580
Secondary Distribution																				
AF				-	-		-	-		-	-		1	0.580		-	-		1	0.580
MIXER CON TRLR MTD (3895-01-005-5422)	A		-	-	-	-	-	-	-	-	-	306,520.00	5	1.533	-	-	-	306,520.00	5	1.533
Secondary Distribution																				
AF				-	-		-	-		-	-		5	1.533		-	-		5	1.533
COMPACT EXCAVATOR CRAWLER (3805-01-565-8767)	A		-	-	-	-	-	-	-	-	-	353,650.00	8	2.829	-	-	-	353,650.00	8	2.829
Secondary Distribution																				
AF				-	-		-	-		-	-		4	2.572		-	-		4	2.572
AFNG				-	-		-	-		-	-		4	0.257		-	-		4	0.257
SCRAPPER MOTORIZED 18CY (9778)	A		-	-	-	-	-	-	-	-	-	504,200.00	4	2.017	-	-	-	504,200.00	4	2.017
Secondary Distribution																				
AF				-	-		-	-		-	-		3	1.513		-	-		3	1.513
AFNG				-	-		-	-		-	-		1	0.504		-	-		1	0.504
CRUSH-SCREEN 150TH 3820-00-060-1841	A		-	-	-	-	-	-	-	-	-	1,700K	1	1.700	-	-	-	1,700K	1	1.700
Secondary Distribution																				
AF				-	-		-	-		-	-		1	1.700		-	-		1	1.700
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	0.003	-	-	0.004	-	-	0.001	-	-	-	-	-	0.001
Secondary Distribution																				
AF				-	-		-	0.003		-	0.004		-	0.001		-	-		-	0.001
Subtotal: Uncategorized			-	-	-	-	-	58.600	-	-	79.049	-	-	87.781	-	-	-	-	-	87.781
Total			-	-	-	-	-	58.600	-	-	79.049	-	-	87.781	-	-	-	-	-	87.781

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 6	P-1 Line Item Number / Title: 826990 / Items Less Than \$5 Million	Aggregated Items Title: Items Less Than \$5 Million
<p>Remarks: UNIT COSTS FOR FY16 ARE SUBJECT TO CHANGE.</p> <p>FY16 PMA JUSTIFICATION Funds from PMA will be used for TDY to the Vehicle Transformation and Acquisition Council (VTAC) and the GSA Federal Fleet conference. Robins AFB personnel can learn from the face-to-face discussions concerning Air Force requirements, sustainment, and future plans. By attending these expos and conferences, AF personnel can write specifications that are generic in nature with the different manufacturers and thus develop a more competitive supplier environment that will reduce costs and still meet the needs of our customers.</p> <p>Footnotes: (1) Airfield Damage Repair FY15 OCO requirements (2) Airfield Damage Repair FY15 OCO requirements (3) Airfield Damage Repair FY15 OCO requirements (4) Airfield Damage Repair FY15 OCO requirements (5) Airfield Damage Repair FY15 OCO requirements (6) Airfield Damage Repair FY15 OCO requirements (7) Airfield Damage Repair FY15 OCO requirements (8) Airfield Damage Repair FY15 OCO requirements (9) Airfield Damage Repair FY15 OCO requirements (10) Airfield Damage Repair FY15 OCO requirements (11) Airfield Damage Repair FY15 OCO requirements (12) Airfield Damage Repair FY15 OCO requirements (13) Airfield Damage Repair FY15 OCO requirements (14) Airfield Damage Repair FY15 OCO requirements</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 1: Comm Security Equipment(Comsec)							P-1 Line Item Number / Title: 831010 / Comsec Equipment					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	77.795	95.833	136.998	-	136.998	117.487	109.569	102.604	98.808	-	739.094
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	77.795	95.833	136.998	-	136.998	117.487	109.569	102.604	98.808	-	739.094
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	77.795	95.833	136.998	-	136.998	117.487	109.569	102.604	98.808	-	739.094
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Description: PE 0208088F AF DEFENSIVE CYBERSPACE OPERATIONS Provides defensive counter cyberspace capability that protects the AFNet and DoD network enclaves, to include their associated computer systems, software applications and sensitive operational information against unauthorized intrusion, corruption, and/or destruction. PE 0303135F PUBLIC KEY INFRASTRUCTURE (PKI) This program funds procurement of PUBLIC KEY INFRASTRUCTURE (PKI). PKI provides identity management (IDM) services to support warfighter requirements. PKI provides the basic framework and services implemented within DoD to ensure information systems security. It provides the capability to attach digital signatures to electronic documents for identity management, and to encrypt and decrypt electronic documents for secure transmission. PKI-enabled applications afford confidentiality and authentication services to communications and/or network transactions, as well as verification of the data integrity and non-repudiation of those transactions. PKI is one many of security solutions used to protect information and provide attributes to enable access to critical resources in the Global Information Grid (GIG) and is used concurrently with other solutions. Funding supports several different requirement areas to procure infrastructure equipment for the field in support of Secret Internet Protocol Routed Network (SIPRNET), PKI, and Evolutionary PKI End User Equipment. PE 0303140F INFORMATION SYSTEMS SECURITY PROGRAM: This program funds procurement of Communications Security (COMSEC) equipment, ancillary encryption/decryption devices, and related equipment to enable the secure transport of information. United States Air Force (AF) and the Department of Defense (DoD) require the capability to collect, process, and disseminate an uninterrupted flow of information while denying an adversary the ability to intercept, collect, destroy, interpret, or manipulate our information flows. Secure communication allows the DoD to achieve and maintain decision superiority; the key to successful application of the military instrument of national power. AF COMSEC equipment protects information such as, warfighter positions, mission planning, target strikes, commander's orders, intelligence, force strength, and force readiness. This COMSEC program ensures adversaries cannot interpret, manipulate, or destroy information. When an adversary is capable of interpretation, manipulation, or destruction of the information used by the warfighter, DoD military forces may suffer significant and/or devastating mission degradation that can result in loss of life and resources and/or cede information that could be used against the United States in a public forum. The COMSEC program includes equipment upgrades and replacements which incorporate latest and/or best technologies mandated												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 1: Comm Security Equipment(Comsec)		P-1 Line Item Number / Title: 831010 / Comsec Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
to provide mission critical warfighter secure voice and data communications in space, tactical, strategic, and network applications for our globally-deployed COMSEC crypto assets supporting both AF and DoD missions. Details of the assets are included in each section's narrative.		
PE 0305251F CYBERSPACE OPS AND FORCE SUPPORT		
Provides training systems to support defensive counter cyberspace capability training requirements for units that protect the AFNet and DoD network enclaves, to include their associated computer systems, software applications and sensitive operational information. Also supports other procurement requirements related to all Cyber Mission Force (CMF) teams to include the Cyber Protection Teams (CPT), Combat Mission Teams (CMT), Combat Support Teams (CST), National Mission Teams (NMT) and National Protection Teams (NPTs).		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 1: Comm Security Equipment(Comsec)					P-1 Line Item Number / Title: 831010 / Comsec Equipment			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
AF DEFENSIVE CYBERSPACE OPERATIONS	P-5		- / -	- / 3.763	- / 2.882	- / 23.377	- / -	- / 23.377
Public Key Infrastructure (PKI)	P-5		- / -	- / 2.618	- / 4.862	- / 2.442	- / -	- / 2.442
Information Systems Security Program	P-5		- / -	- / 71.414	- / 88.089	- / 107.551	- / -	- / 107.551
Cyberspace Operations Forces and Force Support	P-5		- / -	- / -	- / -	- / 3.628	- / -	- / 3.628
Total Gross/Weapon System Cost			- / -	- / 77.795	- / 95.833	- / 136.998	- / -	- / 136.998
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
<p>Justification: PE 0305251F CYBERSPACE OPS FORCES AND FORCE SUPPORT</p> <p>CYBERSPACE VULNERABILITY ASSESSMENT TRAINING SUITE: FY16 funding provides a fully capable CVA/H training system to the 39IOS, who will use it to train and qualify Cyber Protection Teams.</p> <p>PE 0208088F AF DEFENSIVE CYBERSPACE OPERATIONS</p> <p>1. COMPUTER SECURITY ASSISTANCE PROGRAM (CSAP) COUNTERMEASURES: FY16 funding procures hardware/software necessary for vulnerability analysis, vulnerability identification, countermeasure development, and testing in an environment simulating the real-world operational environment. From combat operations to social media use, network bandwidth requirements continue to explode at unprecedented rates. This ever-increasing throughput adds unparalleled threats targeting AF cyber network systems. To keep pace with the threat, innovative solutions continuously require new versions of these capabilities. These capabilities provide daily support to multiple efforts including US Cyber Command and other Combatant Commanders; 24th Air Force: 624 Operations Center; 67th Network Warfare Wing: 33 Network Warfare Squadron (NWS) (AFCERT) and 26 Network Operations Squadron (NOS); Air Force Network Integration Center, Defense Information Systems Agency, Air Force Office of Special Investigations, and other organizations and are integral to the successful performance of the 318 IOG mission. Continuous system revisions are required to remain current with technology. Without the CSAP system, the security of AF networks may be compromised due to inadequate facilities needed to innovate, to develop and test new intrusion detection signatures and investigate new technologies and architectures being integrated into AF networks.</p> <p>2. AFCERT: FY16 funding provides equipment and modification to the AF Cyber Defense (ACD) weapon systems to increase weapon system utility.</p> <p>3. CYBERSPACE VULNERABILITY ASSESSMENT/HUNTER: FY16 funding provides a full level and an initial level of CVA/Hunter equipment to 12 active duty Cyber Protection Teams and 7 Air National Guard (ANG) CPT units. Funding for this exhibit contained in PE 0305251F CYBERSPACE OPS</p> <p>FORCES AND FORCE SUPPORT</p> <p>4. CYBER DEFENSE ANALYSIS: FY16 funding provides equipment for three RF Monitor Systems (Digital Receiver Technology) with extended warranty.</p> <p>PE 0303135F PUBLIC KEY INFRASTRUCTURE (PKI):</p>								

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 1: Comm Security Equipment(Comsec)		P-1 Line Item Number / Title: 831010 / Comsec Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>1. PKI provides for SIPRNET. The current Class 3 PKI token (DoD Common Access Card (CAC)) is undergoing a gradual evolution towards a higher assurance token. Additionally, Homeland Security Presidential Directive-12 (HSPD-12) mandates a common identification card across the Federal Government. Based on the HSPD-12 requirements the National Institute of Standards and Technology (NIST) developed Federal Information Processing Standard 201 (FIPS 201) which adds security requirements to the identification card. FY16 funds were not requested.</p> <p>2. EVOLUTIONARY PKI END USER EQUIPMENT: PKI-based authentication coupled with the hardware security afforded by smartcards enables a user to authenticate securely to a remote server. However, the security of the operation on the smartcard initiated by a PC is intimately dependent upon the integrity of the PC. Yet the PCs used to access sensitive USAF sites are too easily infected with malware. The use of the pin-pad reader eliminates the operations on the hosts systems, thus adding further security to the AF. FY16 funds will procure pin-pad smart readers for added security.</p> <p>3. AIR FORCE DIRECTORY SERVICES (AFDS): AFDS is one of three pillars of DoD Identity Management. The others are PKI and CAC. AFDS ensures that AF user identities are common and synchronized across directories and information stores of various networks, systems, and applications. AFDS eliminates the disparity of maintaining stove-piped systems and through the use of directory technology, alleviates latency associated with the sharing/replication of identity data attributes. AFDS supports delivery of an enterprise security service and backbone for AF networks (both in-garrison and tactical), by providing AF user credentials to the AF Network Enterprise and AF system applications. AFDS addresses challenges and enhances AF mission performance through seamless integrated access to the right information anywhere, anytime. AFDS leverages and provides a core meta-directory service that "joins" and synchronizes personal identity data attributes from authoritative AF and DoD repositories for use by all AF systems and applications. FY16 funds will procure hardware, software, and support upgrades.</p> <p>PE 0303140F INFORMATION SYSTEMS SECURITY PROGRAM:</p> <p>1. Space COMSEC Mission: Space COMSEC procures crypto products for ground nodes that link to space assets. Space COMSEC equipment is a foundational element in achieving Air Force space and information superiority. Space COM SEC is an enabler for space system compliance with DoD I 8581.01 - Information Assurance (IA) Policy for Space Systems used by the Department of Defense. Space COMSEC mission provides communications security products and lifecycle sustainment support to all DoD satellite systems and commercial systems supporting DoD missions. It enables secure Command and Control (C2) of satellites and prevents unauthorized access and destruction. It enables secure transmission of satellite systems' health status telemetry data (satellite health and relative orbital position) to ground control stations, thus protecting critical information about the capabilities of DoD satellite systems. The capability of a system must be protected from an adversary to avoid exploitation of a system weakness/limitation, knowledge of which could assist an adversary in a successful mission against DoD military forces and potential loss of life. Space COMSEC also provides secure transmission of information collected by satellite sensors, which provides the warfighter an integrated view of the battle space. Space COMSEC provides for secure SATCOM, positioning, navigation, timing, weather, nuclear detection and early warning missions. Space COMSEC also enables transmission security (TRANSEC) for space platforms. Space COMSEC mission procures crypto end items and logistics elements to support developing and operational space systems. Funding for this effort is in PE 0303140F.</p> <p>a. PRODUCTS: FY16 funding provides for the production of Space COMSEC products to meet developing and operational space program needs. Space COMSEC products include End Crypto Units (ECU), Embedment Solutions (ES), TRANSEC, and ancillaries. Due to low volume production quantities and high reliability design, Space COMSEC products can range in price from \$10K per unit to \$2M per unit. As a commodity item, Space COMSEC procures standard crypto products, which enable minimized lifecycle footprints. Space COM SEC procures from multiple crypto vendors, however, with the low volume consumption by space programs the space crypto industry base is less than a dozen companies.</p> <p>b. LOGISTICS: FY16 funding provides for the production of Space COMSEC logistics elements. Space COMSEC products typically have a 20 to 40 year lifecycles to support development, launch, and operation of multiple AF and DoD space systems. Space COM SEC is provided as Government Furnished Equipment (GFE) to the space system developing contractors and operational ground stations. Space COMSEC products are high-cost critical assets. They are organically sustained to include component level maintenance exclusively by the AF. Logistics procures the necessary lifecycle sustainment elements required to meet the 40 year mission requirements. Logistics elements include specialized test sets, certified training materials and courses, maintenance manuals, provisioning, and modifications.</p> <p>2. AIR AND GROUND (A&G) COMSEC PROGRAM: The Air and Ground COMSEC Program procures and supports a wide range of secure encryption products supporting AF, inter-service, and various DoD agency customers; and includes items approved under National Security Agency's Commercial COMSEC Evaluation Program (CCEP) such as KIV-7M, KIV-19M, TACLANE, and other High Assurance Internet Protocol Encryptor (HAPE) devices. The program includes equipment upgrades and replacements that incorporate state-of-the-art technologies for mission-critical warfighter secure voice and data</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 1: Comm Security Equipment(Comsec)		P-1 Line Item Number / Title: 831010 / Comsec Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>communications. The program supports space, tactical, strategic, and network applications for globally deployed cryptologic assets supporting Air Force and DoD. Supported systems fall within Air Force Information Systems Security and Information</p> <p>Assurance arenas. Funding for this effort is in PE 0303140F.</p> <p>a. SECURE TELEPHONES: Moved to Air & Ground COMSEC Consolidated.</p> <p>b. COMSEC ACQUISITION REFORM (CAR): Moved to Air & Ground COMSEC Consolidated.</p> <p>c. PECULIAR SUPPORT EQUIPMENT: Moved to Air & Ground COMSEC Consolidated.</p> <p>d. SECURE COMMUNICATIONS VOICE/DATA: Moved to Air & Ground COMSEC Consolidated.</p> <p>NOTE: EMBEDDED ENCRYPTION DEVICES and TELEMETRY ENCRYPTION/DECRYPTION DEVICES: Moved to Air & Ground COMSEC Consolidated. Funding not required for FY14, FY15 and FY16.</p> <p>e. IN-LINE NETWORK ENCRYPTORS: FY16 funding fields the new In-Line Network Encryptors (INE) required to maintain the confidentiality, data integrity, and non-repudiation of classified communications. INEs are the mainstay for securing communications used in classified terrestrial and airborne communications networks. The new INEs feature robust data encryption improvements included in the HAIPE Interoperability Specification (HAIPE IS) as well as Internet Protocol Version 6 capability that will improve security and expand the bandwidth of USAF secure Internet Protocol networks.</p> <p>f. LINK ENCRYPTION FAMILY (LEF): FY16 funds provide for the replacement of the legacy LEF with new more secure crypto modernization compliant LEF devices. The LEF provide near real time secure communications for national and command level decision making authorities up to TOP SECRET SCI. The new LEF devices include more robust encryption algorithms, as well as dual channel, increased bandwidth capability, and reprogrammability. NSA has issued classified instructions regarding the use of specific LEF devices.</p> <p>g. AIR AND GROUND COMSEC CONSOLIDATED: The following requirements have been combined into one line: Secure Telephones, COMSEC Acquisition Reform (CAR), Peculiar Support Equipment, Secure Communications Voice/Data, Embedded Encryption Devices, and Telemetry Encryption Devices. FY16 funds procure secure voice/data equipment, DoD Type I COMSEC equipment and commercial cryptography products, testing and support equipment, embedded COMSEC modules, telemetry devices and Link-16. The Air and Ground COMSEC line is an aggregate of numerous items. Each year the type and/or quantity of items utilized to meet requirements varies; an average unit cost is based on number/type of units planned for purchase.</p> <p>3. CRYPTOGRAPHIC MODERNIZATION: The DoD is transforming its existing operational capabilities to realize a seamless joint network of information and engagement grids that securely link sensors, command and control cells, and tactical units to support current and future warfighting capabilities. This includes cryptographic devices that are more robust, modular, scalable, capable, net-centric, and durable allowing more effective and efficient performance including reduced inventory, expanded data rates, simplified upgrades, and ensured Global Information Grid-compatibility. The Global Information Grid (GIG) requires a transformed cryptographic inventory. The DoD Cryptographic Modernization (CM) Initiative delivers that inventory, ensuring a strong security posture for national security and tactical communications systems by providing transparent cryptographic capabilities consistent with operational imperatives, National Security Agency mandates, and mission environments. The future inventory will provide security devices that ease logistics, support joint interoperability, improve interoperability with allies and coalition partners, enable network-centric and transparent key/equipment management, and allow effective future upgrades. These CM programs enable information dominance by developing and procuring communications security devices that deter and deny known and emerging threats while accommodating significantly increased bandwidths and processing speeds without increasing communication transient and information holding risk. Current CM programs will ensure modernized, secure communications capability to VINSON/ANDVT radios, the Identification Friend Foe (IFF) Mode 5 system, a Remote ReKey system for multiple Homeland Defense and other radar sites, the few remaining, unmodernized-Nuclear Command and Control (NC2) networks, miniaturized crypto for small unmanned systems, and all future satellite control systems and mission data downlinks. Current programs will replace/upgrade over 30,000 devices out of the Air Force's 245,000+ crypto devices and proved over 100,000 new devices where none were previously available. Other potential programs are undergoing development under the auspices of this line of this PE in order to meet emerging COMSEC requirements for Key Management Infrastructure compatibility, as well as various enterprise-wide technological upgrades mandated under the National Security Agency assessments and Policy #3-9. FY15 Funding for this effort is in PE 0303140F.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 1: Comm Security Equipment(Comsec)		P-1 Line Item Number / Title: 831010 / Comsec Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>a. IDENTIFICATION FRIEND OR FOE (IFF) MODE 5 CRYPTO MODERNIZATION: This program developed and is procuring devices to encrypt/decrypt IFF Mode 4 and Mode 5 interrogator and transponder operations. These devices, built to Air Traffic Control Radar Beacon System (ATCRBS), IFF, Mark XIIA, System (AIMS) 04-900 Cryptographic Interface Standard, are integrated into all airborne platforms and ground radar applications to provide critical, immediate tactical aircraft identification data to ground and airborne systems. Procurement of the two primary devices, KIV-77 and KIV-78 will conclude in FY15 for the KIV-78 and FY18 for KIV-77 (required to outfit most of the USAF fleet) and a remote form factor for certain C2 AF aircraft:</p> <p>(1) KIV-77 DEVICES: The FY16 funding procures KIV-77s. KIV-77 is a cryptographic device developed by the USAF to integrate into the APX-119 IFF host box used in the majority of USAF aircraft and ground surveillance/control systems.</p> <p>(2) KIV-78 DEVICES: The FY16 funding procures the technical support and travel CLINS for the KIV-78s. KIV-78 is a cryptographic device developed by the USAF in conjunction with Navy IFF Mode 5 upgrades for USAF F-16s and U.S. Navy/U.S. Marine Corps F/A-18s.</p> <p>(1) REMOTE REKEY (RRK) (CI-33) DEVICES: The RRK modernization program will include the current CI-13 capabilities, expand ability to store keying material and rekey other cryptographic devices, and add capability to key/rekey the new Identification Friend or Foe Mode 5 system. RRK uses existing Defense Information Systems Network (DISN) infrastructure communications to distribute key material produced via the Electronic Key Management System (EKMS) or the Key Management Infrastructure (KMI) capabilities, to manage the distribution network, and to configure/status remote End Cryptographic Units (ECUs).</p> <p>c. VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM): The VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) program is an element of the USAF CM Program designed to replace the legacy capability on VINSON/ANDVT secure voice communications on aircraft, ships, and ground fixed and mobile platforms including critical Nuclear Command and Control (NC2) and other Top Secret and Secret networks (Devices: KY-57/58, KY-99/100 and USC-43). The VACM Embedded Project upgrades the BBIO module as a permanent modification of the ARC-234.</p> <p>(1) VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) COMPONENTS (ARC-234): The VACM Embedded Project was established to modernize cryptographic devices that are integrated within various Vinson/ANDVT radios. The Baseband Input/Output (BBIO) module performs COMSEC functions for the ARC-234. The Permanent Sustainment Modification of the ARC-234 will retain Embedded Communications Security (COMSEC) capability by upgrading the BBIO module with reprogrammable hardware and modern crypto algorithms.</p> <p>(1a) VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) COMPONENTS (ARC-234), Installation: The upgraded BBIOs will be installed/modified into the ARC-234 radios beginning in FY16.</p> <p>(2) VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) DEVICES LOW RATE INITIAL PRODUCTION (LRIP): The VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) program is procuring LRIP units that are essential to production line validation. The production line will replace five crypto device types on national leadership networks including airborne, ground and mobile platforms.</p> <p>(3) VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) INTERIM CONTRACTOR SUPPORT (ICS): Logistics is required for the initial period of operation for the VACM device. For the purposes of this contract, ICS includes materiel management, supply distribution, repair functions for the VACM device, technical manuals revisions and software management and maintenance.</p> <p>(4) VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) DEVICES: The VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) program is procuring devices. The production line will replace five crypto device types on critical national leadership networks including airborne, ground and mobile platforms.</p> <p>d. PROGRAM MANAGEMENT ADMINISTRATION (PMA): Program management administration costs support management with engineering and technical expertise in support of development and procurement activities.</p> <p>4. AIR FORCE ELECTRONIC KEY MANAGEMENT SYSTEM (AFEKMS): AFEKMS is a sustainment program that works in concert with the DoD EKMS Program to provide secure, flexible, and timely upgrades to cryptographic key generation, distribution, and management systems. AFEKMS sustains the current Electronic Key Management System and serves as the bridge to the full operational capability (FOC) of DoD KMI. The Air Force continues to purchase AF EKMS physical products required under the COMSEC Material Control System (CMCS). Funding for this effort is in program element 0303140F.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 1: Comm Security Equipment(Comsec)		P-1 Line Item Number / Title: 831010 / Comsec Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>a. TECHNICAL UPDATES: FY16 funding procures hardware and software products necessary to update the Tier 2 Net Key Servers, Tier 3 system data management devices (DMDs); and systems to maintain an audit trail for COMSEC materials.</p> <p>b. KOV-21 CARDS & REFRESH: Funding procured KOV-21 cards, which are the crypto engine for the simple key loader. KOV-21 cards life expectancy is approximately 7-11 years depending on use. Capital Equipment Replacement began in FY10 and will continue until the Air Force Last Mile Load Element is fielded.</p> <p>c. SIMPLE KEY LOADER (SKL) & REFRESH: FY16 funding procures AN/PYQ-10 (C) SKL units which are controlled cryptographic items that are mission essential to help the AF load Crypto key into various platforms. SKLs replace the obsolete AN/CYZ-10 and SKLs that were fielded in prior years (end-of-life due to KOV-21 card). Disruption of the SKL delivery schedule could degrade and/or disrupt secure communications in the battlefield. Capital Equipment Replacement continues incrementally across the FYDP until the Air Force Last Mile Load Element is fielded.</p> <p>5. AIR FORCE KEY MANAGEMENT INFRASTRUCTURE (AF KMI): The Department of Defense (DoD) has directed the upgrade of the legacy Air Force Electronic Key Management System to the DoD Key Management Infrastructure. The Air Force KMI transition activity implements the DoD KMI within the AF to provide mission critical Communications Security support for all AF missions and platforms. AF KMI procures KMI connectivity, key management and crypto unique/certified products to replace equipment per National Security Agency (NSA) mandates and to field products that have been under previous years development. Funding for this effort is in program element 0303140F.</p> <p>a. KMI Hardware: FY16 funding procures: KMI Management Clients (MGCs) that provide user interaction; Advanced Key Processors (AKPs) that provide cryptographic capability to interact with the KMI, KG-250 High Assurance Internet Protocol Encryptors (HAIPes) that provide secure connectivity to the KMI and KOV-29 Type-1 Tokens that provide secure user authentication; as well as other peripheral KMI equipment requirements.</p> <p>PE 0305251F CYBERSPACE OPS FORCES AND FORCE SUPPORT CYBERSPACE VULNERABILITY ASSESSMENT (CVA) TRAINING SUITE: FY16 funding provides a fully capable CVA training system to the 39th Information Operations Squadron, who will use it to train and qualify Cyber Protection Teams.</p> <p>This program is an FY16 new start.</p>		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 1						P-1 Line Item Number / Title: 831010 / Comsec Equipment						Item Number / Title [DODIC]: - / AF DEFENSIVE CYBERSPACE OPERATIONS						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity <i>(Units in Each)</i>				-		-		-		-		-		-				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				-		3.763		2.882		23.377		-		23.377				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P1) <i>(\$ in Millions)</i>				-		3.763		2.882		23.377		-		23.377				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				-		3.763		2.882		23.377		-		23.377				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - 0208088F COMSEC Cost																		
Recurring Cost																		
Cyberspace Vulnerability Assessment/Hunter	-	-	-	1,536K	1	1.536	-	-	-	4,604K	4	18.418	-	-	-	4,604K	4	18.418
Computer Security Assistance Program (CSAP) Countermeasures	-	-	-	445,400.00	5	2.227	576,400.00	5	2.882	464,000.00	5	2.320	-	-	-	464,000.00	5	2.320
AFCERT Upgrade Sensors	-	-	-	-	-	-	-	-	-	37,000.00	2	0.074	-	-	-	37,000.00	2	0.074
AFCERT Upgrade Switch	-	-	-	-	-	-	-	-	-	44,500.00	2	0.089	-	-	-	44,500.00	2	0.089
AFCERT Virtual Private Network (VPN Module)	-	-	-	-	-	-	-	-	-	38,000.00	2	0.076	-	-	-	38,000.00	2	0.076
Cyberspace Defense Analysis	-	-	-	-	-	-	-	-	-	800,000.00	3	2.400	-	-	-	800,000.00	3	2.400
Subtotal: Recurring Cost	-	-	-	-	-	3.763	-	-	2.882	-	-	23.377	-	-	-	-	-	23.377
Subtotal: Hardware - 0208088F COMSEC Cost	-	-	-	-	-	3.763	-	-	2.882	-	-	23.377	-	-	-	-	-	23.377
Gross/Weapon System Cost	-	-	-	-	-	3.763	-	-	2.882	-	-	23.377	-	-	-	-	-	23.377

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 1						P-1 Line Item Number / Title: 831010 / Comsec Equipment						Item Number / Title [DODIC]: - / Public Key Infrastructure (PKI)						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity (Units in Each)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				-		2.618		4.862		2.442		-		2.442				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				-		2.618		4.862		2.442		-		2.442				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				-		2.618		4.862		2.442		-		2.442				
(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 (\$ in Dollars)				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - 0303135F COMSEC Cost																		
Recurring Cost																		
a. EVOLUTIONARY PKI END USER EQUIPMENT	-	-	-	50.00	30,000	1.500	49.56	75,380	3.736	50.00	35,060	1.753	-	-	-	50.00	35,060	1.753
b. AIR FORCE DIRECTORY SERVICES	-	-	-	1,118K	1	1.118	1,126K	1	1.126	689,000.00	1	0.689	-	-	-	689,000.00	1	0.689
Subtotal: Recurring Cost	-	-	-	-	-	2.618	-	-	4.862	-	-	2.442	-	-	-	-	-	2.442
Subtotal: Hardware - 0303135F COMSEC Cost	-	-	-	-	-	2.618	-	-	4.862	-	-	2.442	-	-	-	-	-	2.442
Gross/Weapon System Cost	-	-	-	-	-	2.618	-	-	4.862	-	-	2.442	-	-	-	-	-	2.442

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Exhibit P-5, Cost Analysis: PB 2016 Air Force											Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 1						P-1 Line Item Number / Title: 831010 / Comsec Equipment						Item Number / Title [DODIC]: - / Information Systems Security Program						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity (Units in Each)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				-		71.414		88.089		107.551		-		107.551				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				-		71.414		88.089		107.551		-		107.551				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				-		71.414		88.089		107.551		-		107.551				
(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 (\$ in Dollars)				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - 1. SPACE COMSEC (PE 0303140F) Cost																		
Recurring Cost																		
a. PRODUCTS	-	-	-	15,818.76	1,727	27.319	13,503.46	433	5.847	19,899.73	557	11.084	-	-	-	19,899.73	557	11.084
b. LOGISTICS	-	-	-	608,250.00	4	2.433	3,200K	2	6.401	2,500K	1	2.500	-	-	-	2,500K	1	2.500
Subtotal: Recurring Cost	-	-	-	-	-	29.752	-	-	12.248	-	-	13.584	-	-	-	-	-	13.584
Subtotal: Hardware - 1. SPACE COMSEC (PE 0303140F) Cost	-	-	-	-	-	29.752	-	-	12.248	-	-	13.584	-	-	-	-	-	13.584
Hardware - 2. AIR and GROUND COMSEC (PE 0303140F) Cost																		
Recurring Cost																		
a. SECURE TELEPHONES	-	-	-	2,881.58	380	1.095	-	-	-	-	-	-	-	-	-	-	-	-
b. COMSEC ACQUISITION REFORM (CAR)	-	-	-	8,987.46	100	0.899	-	-	-	-	-	-	-	-	-	-	-	-
c. PECULIAR SUPPORT EQUIPMENT	-	-	-	54,890.57	7	0.384	-	-	-	-	-	-	-	-	-	-	-	-
d. SECURE COMMUNICATIONS VOICE/DATA	-	-	-	5,291.30	100	0.529	-	-	-	-	-	-	-	-	-	-	-	-
e. IN-LINE NETWORK ENCRYPTORS	-	-	-	15,050.18	775	11.664	15,313.27	731	11.194	15,916.17	404	6.430	-	-	-	15,916.17	404	6.430
f. LINK ENCRYPTION FAMILY	-	-	-	-	-	-	8,719.37	702	6.121	8,912.04	734	6.541	-	-	-	8,912.04	734	6.541

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Exhibit P-5, Cost Analysis: PB 2016 Air Force											Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 1						P-1 Line Item Number / Title: 831010 / Comsec Equipment						Item Number / Title [DODIC]: - / Information Systems Security Program						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
g. AIR AND GROUND CONSOLIDATED	-	-	-	-	-	-	5,231.49	743	3.887	5,343.45	725	3.874	-	-	-	5,343.45	725	3.874
Subtotal: Recurring Cost	-	-	-	-	-	14.571	-	-	21.202	-	-	16.846	-	-	-	-	-	16.846
Subtotal: Hardware - 2. AIR and GROUND COMSEC (PE 0303140F) Cost	-	-	-	-	-	14.571	-	-	21.202	-	-	16.846	-	-	-	-	-	16.846
Hardware - 3. CRYPTOGRAPHIC MODERNIZATION (PE 0303140F) Cost																		
Recurring Cost																		
a. (1) KIV-77	-	-	-	17,824.37	239	4.260	21,323.53	369	7.868	25,369.70	165	4.186	-	-	-	25,369.70	165	4.186
a. (2) KIV-78	-	-	-	-	-	0.393	42,289.16	83	3.510	-	-	0.081	-	-	-	-	-	0.081
b. (1) REMOTE REKEY (RRK) (CI-33) DEVICES	-	-	-	102,578.95	38	3.898	110,222.22	18	1.984	-	-	-	-	-	-	-	-	-
b. (2) REMOTE REKEY (RRK) (CI-33) INTERIM CONTRACTOR SUPPORT (ICS LABOR)	-	-	-	-	-	-	-	-	0.506	-	-	-	-	-	-	-	-	-
c. (1) VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) COMPONENTS (ARC-234)	-	-	-	-	-	-	51,315.48	168	8.621	51,315.48	168	8.621	-	-	-	51,315.48	168	8.621
c. (1a) VINSON/ ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) COMPONENTS (ARC-234) INSTALLATION	-	-	-	-	-	-	-	-	-	17,220.24	168	2.893	-	-	-	17,220.24	168	2.893
c. (2) VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) DEVICES LOW RATE INITIAL PRODUCTION (LRIP)	-	-	-	19,811.97	117	2.318	-	-	-	-	-	-	-	-	-	-	-	-
c. (3) VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) INTERIM CONTRACTOR SUPPORT (ICS)	-	-	-	-	-	-	-	-	0.864	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 1						P-1 Line Item Number / Title: 831010 / Comsec Equipment						Item Number / Title [DODIC]: - / Information Systems Security Program						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
c. (4) VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) DEVICES	-	-	-	9,224.67	227	2.094	9,219.85	1,360	12.539	9,256.32	4,824	44.653	-	-	-	9,256.43	4,824	44.653
d. PROGRAM MANAGEMENT (PMA)	-	-	-	-	-	1.708	-	-	2.057	-	-	3.532	-	-	-	-	-	3.532
Subtotal: Recurring Cost	-	-	-	-	-	14.671	-	-	37.949	-	-	63.966	-	-	-	-	-	63.966
Subtotal: Hardware - 3. CRYPTOGRAPHIC MODERNIZATION (PE 0303140F) Cost	-	-	-	-	-	14.671	-	-	37.949	-	-	63.966	-	-	-	-	-	63.966
Hardware - 4. AF EKMS (PE 0303140F) Cost																		
Recurring Cost																		
a. TECHNICAL UPDATES	-	-	-	-	-	1.678	-	-	0.878	-	-	0.273	-	-	-	-	-	0.273
b. SIMPLE KEY LOADER (SKL) and REFRESH	-	-	-	2,146.34	164	0.352	2,150.79	630	1.355	2,108.90	1,304	2.750	-	-	-	2,108.90	1,304	2.750
Subtotal: Recurring Cost	-	-	-	-	-	2.030	-	-	2.233	-	-	3.023	-	-	-	-	-	3.023
Subtotal: Hardware - 4. AF EKMS (PE 0303140F) Cost	-	-	-	-	-	2.030	-	-	2.233	-	-	3.023	-	-	-	-	-	3.023
Hardware - 5. AF KMI (PE 0303140F) Cost																		
Recurring Cost																		
a. KMI HARDWARE	-	-	-	35,827.59	290	10.390	72,648.24	199	14.457	49,666.67	204	10.132	-	-	-	49,666.67	204	10.132
Subtotal: Recurring Cost	-	-	-	-	-	10.390	-	-	14.457	-	-	10.132	-	-	-	-	-	10.132
Subtotal: Hardware - 5. AF KMI (PE 0303140F) Cost	-	-	-	-	-	10.390	-	-	14.457	-	-	10.132	-	-	-	-	-	10.132
Gross/Weapon System Cost	-	-	-	-	-	71.414	-	-	88.089	-	-	107.551	-	-	-	-	-	107.551
Remarks:																		
b. (1) Identification Friend or Foe (IFF) KIV-77 & KIV-78 Devices - Change in Total Cost per fiscal year was due to forward funding of requirements; Average Unit Cost is approximately \$14K for the KIV-77 and \$19K for the KIV-78.																		
c.(1) Remote Rekey (RRK) (CI-33) Devices - Change in Total Cost per fiscal year was due to forward funding of requirements; Average Unit Cost is approximately \$110K; Quantities are Sites.																		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force											Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 1						P-1 Line Item Number / Title: 831010 / Comsec Equipment						Item Number / Title [DODIC]: - / Cyberspace Operations Forces and Force Support						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity (Units in Each)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				-		-		-		3.628		-		3.628				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				-		-		-		3.628		-		3.628				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				-		-		-		3.628		-		3.628				
(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 (\$ in Dollars)				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - 0305251F Cost																		
Recurring Cost																		
Cyber Vulnerability Assessment/Hunter (CVA/H) Training System	-	-	-	-	-	-	-	-	-	3,628K	1	3.628	-	-	-	3,628K	1	3.628
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	3.628	-	-	-	-	-	3.628
Subtotal: Hardware - 0305251F Cost	-	-	-	-	-	-	-	-	-	-	-	3.628	-	-	-	-	-	3.628
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	3.628	-	-	-	-	-	3.628

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 1: Comm Security Equipment(Comsec)							P-1 Line Item Number / Title: 831970 / Modifications (COMSEC)					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.726	1.363	0.677	-	0.677	1.412	1.315	1.104	1.125	-	7.722
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	0.726	1.363	0.677	-	0.677	1.412	1.315	1.104	1.125	-	7.722
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	0.726	1.363	0.677	-	0.677	1.412	1.315	1.104	1.125	-	7.722
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>The Communications Security (COMSEC) modification activity ensures the integration, installation, and sustainment of cryptographic equipment. This activity is a critical component in providing robust, secure global communications, enabling information superiority. It provides the warfighter with the security needed to protect the flow and exchange of operational decision-making information through the retrofit and modification of selected COMSEC equipment. These modification efforts ensure legacy equipment can meet current COMSEC operational environment requirements. Funding for this effort is in program element (PE) 0303140F.</p> <p>The FY2016 funding request was reduced by \$0.581 million to account for the availability of prior execution balances.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 1: Comm Security Equipment(Comsec)	P-1 Line Item Number / Title: 831970 / Modifications (COMSEC)
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1. SPACE COMSEC	P-40a	A	- / -	- / 0.726	- / 1.363	- / 0.677	- / -	- / 0.677
Total Gross/Weapon System Cost			- / -	- / 0.726	- / 1.363	- / 0.677	- / -	- / 0.677

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:

FY16 funding provides replacement of critical components to maintain mission data life cycle requirements. As the obsolescence of parts occurs in the sustainment of the products, modifications must be implemented to keep the products operational for satellite programs. Funding for this effort is in PE 0303140F.

Space COMSEC line funds modifications of ground operating equipment to maintain compatibility with new/modified airborne vehicle equipment (which is funded by 3020 appropriations).

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 1								P-1 Line Item Number / Title: 831970 / Modifications (COMSEC)							Aggregated Items Title: Modifications (COMSEC)				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SPACE COMSEC																				
1. SPACE COMSEC	A		-	-	-	-	-	0.726	-	-	1.363	-	-	0.677	-	-	-	-	-	0.677
Subtotal: SPACE COMSEC			-	-	-	-	-	0.726	-	-	1.363	-	-	0.677	-	-	-	-	-	0.677
Total			-	-	-	-	-	0.726	-	-	1.363	-	-	0.677	-	-	-	-	-	0.677

Remarks:

Modification funds are used to update both cryptographic product end items and logistics lifecycle support elements.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs	P-1 Line Item Number / Title: 832060 / Intelligence Training Equipment
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	2.789	2.832	4.041	-	4.041	5.949	5.880	5.518	5.616	-	32.625
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	2.789	2.832	4.041	-	4.041	5.949	5.880	5.518	5.616	-	32.625
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	2.789	2.832	4.041	-	4.041	5.949	5.880	5.518	5.616	-	32.625
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Intelligence Training Equipment P-1 line procures equipment for use in initial and advanced training in the General Intelligence and Cryptologic and Signals Intelligence related career fields. The equipment supports training for intelligence officers, geospatial analysts, targeteers, operations analysts, linguists, network analysts, and all communications (except communications security) and electronic intelligence analysts. The systems support intelligence, surveillance, and reconnaissance applications, and the major focus of this program is to support functional training on the newest generation of intelligence systems with an emphasis on computer-based training systems through modeling and simulation. This equipment is essential for preparing military intelligence personnel to support warfighting commanders. The equipment supports intelligence training for AF personnel and members of all DoD services at Goodfellow AFB, TX.

PE 0804733F GENERAL INTELLIGENCE SKILL TRAINING

GOODFELLOW INTELLIGENCE TRAINING ARCHITECTURE (GITA) UPGRADE: The GITA upgrade incorporates new equipment to provide ground-based training systems (GBTS) and support the development of the enterprise architecture, which consolidates multiple networks and systems into an integrated GITA.

The increased student throughput for Language and Intelligence Analysts required an additional upgrade and increase of servers/data storage.

The FY2016 funding request was reduced by \$1.174M to account for the availability of prior execution balances

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs					P-1 Line Item Number / Title: 832060 / Intelligence Training Equipment			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
GITA UPGRADE	P-40a	A	- / -	- / 2.789	- / 2.832	- / 4.041	- / -	- / 4.041
Total Gross/Weapon System Cost			- / -	- / 2.789	- / 2.832	- / 4.041	- / -	- / 4.041
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:

PE 0804733F GENERAL INTELLIGENCE SKILL TRAINING

GOODFELLOW INTELLIGENCE TRAINING ARCHITECTURE (GITA) UPGRADE: FY16 funding includes a portion of an overall \$25M increase within AETC to fix numerous training disconnects and mitigate training aircraft obsolescence in avionics, software, and GBTS. Will also continue to fund GAFB ITS and GITA infrastructure upgrades consisting of the hardware and associated software needed to improve and upgrade the training network backbone. The GITA upgrades procure additional hardware for modernizing interactive courseware development labs, workstations supporting scenario-based exercise training, and servers and network equipment needed to support software used in the field and combatant commands.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 2								P-1 Line Item Number / Title: 832060 / Intelligence Training Equipment							Aggregated Items Title: Intelligence Training Equipment				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total							
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)					
Uncategorized																									
GITA UPGRADE	A		-	-	-	-	-	2.789	-	-	2.832	-	-	4.041	-	-	-	-	-	4.041					
Subtotal: Uncategorized			-	-	-	-	-	2.789	-	-	2.832	-	-	4.041	-	-	-	-	-	4.041					
Total			-	-	-	-	-	2.789	-	-	2.832	-	-	4.041	-	-	-	-	-	4.041					

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs							P-1 Line Item Number / Title: 832070 / Intelligence Comm Equipment					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items: 0305179F					Other Related Program Elements: 0305146F, 0305221F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	39.875	32.329	22.573	-	22.573	31.512	30.192	28.670	29.214	-	214.365
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	39.875	32.329	22.573	-	22.573	31.512	30.192	28.670	29.214	-	214.365
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	39.875	32.329	22.573	-	22.573	31.512	30.192	28.670	29.214	-	214.365
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The FY2016 funding request was reduced by \$5.0M to account for the availability of prior execution balances												
PE 0207431F COMBAT AIR INTELLIGENCE SYSTEMS ACTIVITIES												
GGPL provides all AF units access to digital GEOINT and targeting data products in support of targeting, intelligence and mission planning processes, including support to units deploying to South West Asia and North Africa. It provides the sole resource to store and immediately retrieve large digital files and mission essential GEOINT data required to conduct AF mission sets. This storage includes tape drives to ensure data survivability and rapid back-up/restoration 20 times faster than network technology, freeing units critical time to support mission tasks.												
UNIT LEVEL INTELLIGENCE (ULI) SYSTEMS: ULI combines and fields the capabilities of Personal Computer- Integrated Imagery and Intelligence (PC-I3), Targeting Application Workstation (TAW), and Weapon System Video (WSV), all previously fielded as unique systems. ULI simplifies unit deployment requirements with all-in-one standard system.												
INFORMATION STORAGE (iSToRE): iSToRE replaces NGA's legacy Image Product Library (IPL), which NGA ceases funding upon iSToRE release. It provides state-of-the-art technology to rapidly access, store and disseminate intelligence to/from United States Imagery and Geospatial System (USIGS) library system, giving imagery analysts, cartographers, intelligence and operations personnel direct access to imagery products and associated data to support their respective mission needs.												
GLOBAL COMMAND AND CONTROL SYSTEM -INTEGRATED IMAGERY AND INTELLIGENCE (GCCS-I3): GCCS-I3 provides the central targeting data infrastructure for the AFTC's distributed operations in support of worldwide targeting requirements from air component commanders and their subordinate units. It fields the capability to store/expose virtual electronic target folders through Joint Targeting Toolbox (JTT), order of battle data through Analyst Workshop (AWS) and access to tailored data sets to users via widget technology supported through the Ozone Widget Framework (OWF). It provides the Joint Force Air Component Commander (JFACC) and his Air Operations Center (AOC) staff machine to machine access to targeting and intelligence data support the planning, tasking, execution and assessment of air operations. It provides unit operation access to authoritative data in support of mission planning and tactical operations, to include locally collected tactical imagery, live video streams, and other intelligence with national and theater-produced intelligence.												
Information for Operational and Tactical Analysis (IOTA): Provides web-based information management in the form of automated ingest and analysis of combat intelligence, surveillance, and reconnaissance (ISR) reports. The two ISR-related components of IOTA are the mission report (MISREP) analysis tool (MAT) and ISR Assessment Tool (IAT).												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs		P-1 Line Item Number / Title: 832070 / Intelligence Comm Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items: 0305179F	Other Related Program Elements: 0305146F, 0305221F
Intelligence Automated Data Processing Equipment (IADPE): Provides capital equipment replacement program funds for USAFE data processing systems and communications network. Provides unit operation access to authoritative data in support of mission planning and tactical operations, to include locally collected tactical imagery, live video streams, and other intelligence with national and theater-produced intelligence.		
PE 0301400F Space Superiority Intelligence:		
Cyber Situational Awareness Weapon System (C-SAWS) is a process for connecting 24 AF unfiltered AF traffic flow and moving it to 25 AF for PED (Processing, Analysis and Distribution) enabling the first AF Cyber ISR collection and processing capability to provide ISR based adversary cyber activity Indications and Warnings (I&W) for Situational Awareness (SA). The program provides a dedicated AF Cyber ISR platform (Remote Data Collector and Remote Data Processor) array that connects to the highest level at the network gateway locations to obtain unfiltered netflow and packet capture (PCAP). This data is moved via long-haul to the 25 AF El Dorado PED system for analysis. The fusion of all source intelligence and net flow analysis provides actionable CTA (Cyber Threat Advisories) reports to cyber operators for the appropriate and proactive actions.		
PE 0305146F DEFENSE JOINT COUNTERINTELLIGENCE PROGRAM		
DEFENSE JOINT COUNTERINTELLIGENCE PROGRAM: Supports both technical surveillance and technical surveillance countermeasures (TSCM) to counterintelligence operations conducted by the Air Force Office of Special Investigations for AF and DoD entities to detect and deter covert activities conducted by Foreign Intelligence Services seeking to compromise classified or sensitive information. The technical equipment required for these investigations is unique and complex. The specialized technical equipment and components required for these investigations is unique and complex and are a part of the formally designated USAF TSCM weapons system.		
PE 0305179F INTEGRATED BROADCAST SERVICE		
INTEGRATED BROADCAST SERVICE (IBS): The IBS is a multi-sensor, multisource system of systems for the dissemination of integrated threat warning and blue force tracking information. IBS provides intelligence producers and information sources the means to analyze and disseminate strategic, operational, and tactical intelligence and warning information directly to the warfighter. The IBS operational baseline represents the migration, integration, and consolidation of existing tactical data dissemination into a future common architecture message format.		
PE 0305192F MILITARY INTEL PRG - (MIP) ACT		
Provides data recovery capabilities for mission critical intelligence information across the Service. This funds the Air Force Disaster Recovery Program (AF DRP). AF DRP is working with the four Joint Worldwide Intelligence Systems (JWICS) Enterprise Service Centers (ESCs) to integrate Disaster Recovery capabilities for core services such as email, file, and print servers. After recovery solutions have been provided for these services, AF DRP will seek to secure critical mission data and applications. The AF DRP backup and recovery at the ESCs will provide support ranging from the AF Intelligence Center's strategic national intelligence role down to operational mission units. This is MIP funding.		
PE 0305221F Network Centric Collaborative Targeting (NCCT)		
Network Centric Collaborative Targeting (NCCT): The Air Force program of record responsible for developing core technologies and sub-nodal analysis tools to horizontally and/or vertically integrate network collaborative Intelligence, Surveillance and Reconnaissance (ISR) sensor systems within and across intelligence disciplines. Operational uses of core technologies would include, but are not be limited to, Signals Intelligence to Signals Intelligence (SIGINT-SIGINT) correlation and Ground Moving Target Indicator to Signals Intelligence (GMTI-SIGINT) correlation. Operational uses of sub-nodal analysis tools would include, but are not be limited to, determining which nodes of the adversary's Command, Control, Communications, Computers, Intelligence (C4I) network to engage or protect to achieve desired effects, and		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs		P-1 Line Item Number / Title: 832070 / Intelligence Comm Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items: 0305179F		Other Related Program Elements: 0305146F, 0305221F
modeling execution plans to determine the need to disrupt or monitor the required network aim-points in order to redirect activities based on changing battlefield conditions. NCCT software applications employ Machine-to-Machine (M2M) interfaces and Internet Protocol (IP) connectivity to coordinate sensor cross-cues and collection activities. NCCT correlation and fusion services ingest collection data to produce a single, composite track (geo-location and identification) for high-value targets. NCCT research and development funding supports evolutionary development of the NCCT message set and network management systems (Operations Interfaces, Network Controller, Fusion Engines, Data Guard, Interface to Command & Control, and Interface to Overhead Intelligence Operations), the migration of the NCCT technologies to emerging network centric technologies (Service Oriented Architectures (SOA) and web services), and satisfying DoD standards and Information Assurance requirements.			
PE 0305942F (Space Situational Awareness Operations - MIP)			
DISTRIBUTED SPACE COMMAND AND CONTROL - DAHLGREN (DSC2-D): The DSC2-D, located in Dahlgren, VA, is the alternate Command and Control facility to the Joint Space Operations Center (JSpOC) Space Situational Awareness Cell at Vandenberg AFB, CA. As the operational backup, it provides support to the Air Force Space Command mission responsibilities for cataloging and maintenance of satellite payloads and debris, New Foreign Launch orbit determination, and collision avoidance. Additionally, the DSC2-D is the sole provider for unique Navy SSA data products for Fleet and ashore support and also provides SSA data products to other National users.			
COBRA DANE RADAR: The Cobra Dane Radar improves midcourse Ballistic Missile Defense System (BMDS) sensor coverage to provide tracking of threat ballistic missiles to commit the launch of interceptors and to update the target tracks while the interceptor is in flight.			
PE 0503115F AIR NATIONAL GUARD (ANG) CRYPTOLOGIC SUPPORT SITE EQUIPMENT:			
In order to conduct Digital Network Intelligence (DNI) operations, connectivity must be established to multiple classified and non-attributable unclassified networks. As a stand-alone mission, bandwidth required is at least 6 MB each for SIPR, NIPR, and non-attributable unclassified networks and 9 MB each for NSANet and JWICS. Funding will provide hardware and software needed to enable a 200+ man intelligence group to perform cyber mission tasking across multiple domains. This effort will enhance the Air Force's ability to provide intelligence, surveillance, and reconnaissance (ISR) support to cyber operations.			

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs				P-1 Line Item Number / Title: 832070 / Intelligence Comm Equipment				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items: 0305179F			Other Related Program Elements: 0305146F, 0305221F		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
CAIS	P-40a	A	- / -	- / 4.020	- / -	- / -	- / -	- / -
ULI	P-40a	A	- / -	- / -	- / 1.644	- / 1.368	- / -	- / 1.368
GPL	P-40a	A	- / -	- / -	- / 1.923	- / 1.080	- / -	- / 1.080
IStore	P-40a	A	- / -	- / -	- / 0.290	- / 0.520	- / -	- / 0.520
GCCS-I3	P-40a	A	- / -	- / -	- / 0.944	- / 0.312	- / -	- / 0.312
IOTA	P-40a	A	- / -	- / -	- / 0.309	- / 0.314	- / -	- / 0.314
IADPE	P-40a	A	- / -	- / -	- / -	- / 0.300	- / -	- / 0.300
DEFENSE JOINT COUNTERINTELLIGENCE PROGRAM	P-40a	A	- / -	- / 0.756	- / 0.618	- / 0.460	- / -	- / 0.460
IBS-NS	P-40a	A	- / 0.000	- / 4.000	- / 3.867	- / 1.905	- / -	- / 1.905
1 / Mod 1 (Reliability & Maintainability)	P-40a		- / -	- / 2.616	- / 2.642	- / 1.548	- / -	- / 1.548
2 / Mod 2 (Reliability & Maintainability)	P-40a		- / -	- / 3.108	- / 3.167	- / 3.167	- / -	- / 3.167
3 / Mod 3 (Reliability & Maintainability)	P-40a		- / -	- / 1.274	- / 1.298	- / 0.816	- / -	- / 0.816
4 / Mod 4 (Reliability & Maintainability)	P-40a		- / -	- / 2.063	- / 2.102	- / 2.102	- / -	- / 2.102
5 / Mod 5 (Reliability & Maintainability)	P-40a		- / -	- / 1.060	- / 1.873	- / 1.873	- / -	- / 1.873
Air Force Disaster Recovery Program (AF DRP)	P-40a	A	- / -	- / 3.607	- / 3.921	- / 2.900	- / -	- / 2.900
Network Centric Collaborative Targeting	P-40a	A	- / -	- / 2.900	- / 2.974	- / 2.418	- / -	- / 2.418
DSC2-D	P-40a	A	- / -	- / 1.522	- / 4.757	- / -	- / -	- / -
COBRA DANE RADAR	P-40a	A	- / -	- / 1.749	- / -	- / -	- / -	- / -
Cryptologic Support ANG	P-40a	A	- / -	- / 11.200	- / -	- / -	- / -	- / -
Space Superiority Intelligence	P-40a	A	- / -	- / -	- / -	- / 1.490	- / -	- / 1.490
Total Gross/Weapon System Cost			- / -	- / 39.875	- / 32.329	- / 22.573	- / -	- / 22.573
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
CAIS	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
ULI	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
GPL	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
IStore	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
GCCS-I3	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
IOTA	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
IADPE	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
DEFENSE JOINT COUNTERINTELLIGENCE PROGRAM	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
IBS-NS	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
1 / Mod 1 (Reliability & Maintainability)	P-40a		- / 3.741	- / 3.354	- / 2.500	- / 2.573	- / -	- / 18.974
2 / Mod 2 (Reliability & Maintainability)	P-40a		- / 3.167	- / 3.133	- / 3.167	- / 3.262	- / -	- / 22.171

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs					P-1 Line Item Number / Title: 832070 / Intelligence Comm Equipment			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items: 0305179F			Other Related Program Elements: 0305146F, 0305221F		

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
3 / Mod 3 (Reliability & Maintainability)	P-40a		- / 1.298	- / 1.300	- / 1.298	- / 1.337	- / -	- / 8.621
4 / Mod 4 (Reliability & Maintainability)	P-40a		- / 2.102	- / 2.276	- / 2.102	- / 2.165	- / -	- / 14.912
5 / Mod 5 (Reliability & Maintainability)	P-40a		- / 1.873	- / 1.873	- / 1.873	- / 1.929	- / -	- / 12.354
Air Force Disaster Recovery Program (AF DRP)	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
Network Centric Collaborative Targeting	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
DSC2-D	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
COBRA DANE RADAR	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
Cryptologic Support ANG	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
Space Superiority Intelligence	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 31.512	- / 30.192	- / 28.670	- / 29.214	- / -	- / 214.365

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:
PE 0207431F COMBAT AIR INTELLIGENCE SYSTEMS ACTIVITIES

GEOSPATIAL PRODUCT LIBRARY (GPL): FY16 funding provides for the capital equipment replacement of GPL servers, drives, and associated equipment to ensure current, dependable data repository for intelligence threat assessment and combat mission planning support at over 260 units worldwide.

UNIT LEVEL INTELLIGENCE (ULI) SYSTEMS: FY16 funding provides for the capital equipment replacement of ULI systems providing crucial capabilities to the Warfighter to include Intelligence Preparation of the Operational Environment (IPOE), data gathering and compilation, support to mission execution, intelligence reporting, targeting, weapon systems video processing, and post-mission assessment support at over 327 units worldwide

INFORMATION STORAGE (iSToRE): FY16 funding provides for the capital equipment replacement of iSToRE systems to provide imagery analysts, cartographers, intelligence and operations personnel direct access to imagery products and associated data to support their respective mission needs at wing and below units, to include the Air Force Targeting Center.

GLOBAL COMMAND AND CONTROL SYSTEM -INTEGRATED IMAGERY AND INTELLIGENCE (GCCS-I3): FY16 funding provides for the capital equipment replacement of GCCS-I3 servers and associated equipment to provide a centralized targeting data infrastructure throughout the Air Force Targeting Enterprise (AFTE).

Information for Operational and Tactical Analysis (IOTA): FY16 funding provided installation costs in support of fielding into the Air Operations Centers (AOC).

Intelligence Automated Data Processing Equipment (IADPE): FY16 funding will be used to procure servers, storage devices, associated hardware upgrades and installation costs.

PE 0301400F Space Superiority Intelligence:

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs		P-1 Line Item Number / Title: 832070 / Intelligence Comm Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items: 0305179F	Other Related Program Elements: 0305146F, 0305221F
FY16 funding supports the Cyber ISR Analytic Framework: Funding is required for continuous re-configuration of Cyber ISR analytic tools to meet constantly changing target sets in support of AFCYBER (24AF) for intel support to Indications & Warning (I&W), Defensive Cyber Operations (DCO), DCO_Response Action (DCO_RA) and Direct Support Teams (DST) for Cyber Mission Force (CMF) operators as defined by USCYBERCOM.		
Cyber ISR analytic tools: Continued development, transition, procurement, fielding and sustainment of Cyber ISR analytic tools in current development by Air Force Research Lab (AFRL), Rome, NY and the National Air & Space Intelligence Center (NASIC). Provides for AF-Centric, Cyber ISR analytic resources; SearchLite, Special Signals Cyber Analytics, Secure Encryption Assurance Layer, Unified Cyber Analysis and associated analytics for Cyber ISR, I&W, and Adversary Trends and Analysis for AF DCO. Resources strengthen dedicated USAF ISR analytic support to successfully fulfill existing and future AFCYBER (24AF) tasking for I&W, and Adversary Trends and Analysis for AF DCO.		
PE 0305146F DEFENSE JOINT COUNTERINTELLIGENCE PROGRAM		
FY16 funding procures the periodic refresh of equipment to provide state of the art capabilities to detect and neutralize criminal activities targeted against sensitive and classified AF and DoD information and activities.		
PE 0305179F INTEGRATED BROADCAST SERVICE		
IBS procurement efforts are focused in these following areas: (1). CIB UPLINK SITE (CUS) TACTICAL INFORMATION PROCESSOR AND ONLINE FUSION FACILITY (TIPOFF): TIPOFF serves as the control system for the CIB Uplink Site and interface to the IBS Network Services (IBS-NS). Each major release of the software incorporates approved requirements as necessitated by mission changes, system interoperability, and system security. The new release supports migration to Common Interactive Broadcast Uplink Sites. (2) COMMON INTERACTIVE BROADCAST PLANNING TOOL (CIB-PT): The CIB-PT provides the COCOM Planners an integrated software/hardware mechanism to allocate space-based communications resources to theater and national producers, specifically to reliably optimize the timeliness of scarce bandwidth allocation of extremely time-critical messages. Each major release of the software/hardware incorporates updated producer prioritization, bandwidth allocation, mission monitoring and interfaces to the STRATCOM systems as necessitated by mission changes, system interoperability, and system security compliance to achieve threshold requirements. (3). COMMON MESSAGE FORMAT PARSER LIBRARY (CMFPL): The CMF repository is required for the automatic exchange of data among processing, exploitation, and dissemination (PED) systems. This effort procures the infrastructure for dynamic software library updates for multiple operating systems essential to broadcast operation. (4). IBS V&V Environment: Procures simulation and stimulation tools to certify and verify mission equipment for operational use. Included is the MULTI-AREA REMOTE SIMULATOR (MARS) a component of the IBS verification and validation process used to emulate multiple systems messaging under operational conditions and the UNIVERSAL CIB TEST SET (UCTS) a component that emulates the UHF SATCOM environment. (5). TERMINAL, DATALINK & ENTERPRISE MITIGATION: Funds direct mission support activities such as verification & validation documentation; uplink and receive and transmit terminal upgrade, enhancements and spares; mitigation; CMF product support; Joint Tactical Data Link (JTDL/IBS) support; net-centric support; product documentation; studies and analyses; IBS Web Support and contractor systems engineering activities. (6). IBS-NS: Scaling capability is required for messaging under operational use. Funds approved modernization of Global IBS Servers (GINS), and Theater Interface Nodes (TINS), technology refreshment and integration as necessitated by mission changes, system interoperability, and system security.		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs		P-1 Line Item Number / Title: 832070 / Intelligence Comm Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items: 0305179F	Other Related Program Elements: 0305146F, 0305221F
<p>PE 0305192F MILITARY INTEL PRG - (MIP) ACT</p> <p>FY16 funding will enable completion of AF JWICS Enterprise disaster recovery capabilities for core services at the four Enterprise Service Centers (ESCs) and continue the development of a Disaster Recovery Program (DRP) solution for NASIC and PACAF to support their local COOP/DR needs by providing information recovery technology for Top Secret/Sensitive Compartmented Information level networks. Funds will be used to procure servers, storage devices, associated hardware upgrades, and installation costs</p> <p>PE 0305221F Network Centric Collaborative Targeting (NCCT)</p> <p>Network Centric Collaborative Targeting (NCCT): FY16 funding is for NCCT hardware refresh at ground stations in support of a new software baseline roll out and user requested upgrades.</p> <p>PE 0305942F Space Situational Awareness Operations - MIP</p> <p>No FY16 funding requested</p> <p>PE 0503115F AIR NATIONAL GUARD (ANG) CRYPTOLOGIC SUPPORT SITE EQUIPMENT:</p> <p>No FY16 funding requested</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 2								P-1 Line Item Number / Title: 832070 / Intelligence Comm Equipment							Aggregated Items Title: Combat Air Intelligence System Activities				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total								
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)						
Uncategorized																										
CAIS	A		-	-	-	-	-	4.020	-	-	-	-	-	-	-	-	-	-	-	-						
ULI	A		-	-	-	-	-	-	-	-	1.644	-	-	1.368	-	-	-	-	-	1.368						
GPL	A		-	-	-	-	-	-	-	-	1.923	-	-	1.080	-	-	-	-	-	1.080						
IStore	A		-	-	-	-	-	-	-	-	0.290	-	-	0.520	-	-	-	-	-	0.520						
GCCS-I3	A		-	-	-	-	-	-	-	-	0.944	-	-	0.312	-	-	-	-	-	0.312						
IOTA	A		-	-	-	-	-	-	-	-	0.309	-	-	0.314	-	-	-	-	-	0.314						
IADPE	A		-	-	-	-	-	-	-	-	-	-	-	0.300	-	-	-	-	-	0.300						
Subtotal: Uncategorized			-	-	-	-	-	4.020	-	-	5.110	-	-	3.894	-	-	-	-	-	3.894						
Total			-	-	-	-	-	4.020	-	-	5.110	-	-	3.894	-	-	-	-	-	3.894						

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost						
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)				
Uncategorized																								
CAIS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
ULI	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
GPL	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
IStore	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
GCCS-I3	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
IOTA	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
IADPE	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 2						P-1 Line Item Number / Title: 832070 / Intelligence Comm Equipment									Aggregated Items Title: Defense Joint Counterintelligence Activities				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
DEFENSE JOINT COUNTERINTELLIGENCE PROGRAM	A		-	-	-	-	-	0.756	-	-	0.618	-	-	0.460	-	-	-	-	-	0.460
Subtotal: Uncategorized			-	-	-	-	-	0.756	-	-	0.618	-	-	0.460	-	-	-	-	-	0.460
Total			-	-	-	-	-	0.756	-	-	0.618	-	-	0.460	-	-	-	-	-	0.460

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost					
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)			
Uncategorized																							
DEFENSE JOINT COUNTERINTELLIGENCE PROGRAM	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 2								P-1 Line Item Number / Title: 832070 / Intelligence Comm Equipment							Aggregated Items Title: Integrated Broadcast Service (IBS)				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
IBS-NS	A		-	-	0.000	-	-	4.000	-	-	3.867	-	-	1.905	-	-	-	-	-	1.905
Subtotal: Uncategorized			-	-	0.000	-	-	4.000	-	-	3.867	-	-	1.905	-	-	-	-	-	1.905
Total			-	-	0.000	-	-	4.000	-	-	3.867	-	-	1.905	-	-	-	-	-	1.905

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
IBS-NS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Remarks:

(6). IBS-NS: Scaling capability is required for messaging under operational use. Funds approved modernization of Global IBS Servers (GINS), and Theater Interface Nodes (TINS), technology refreshment and integration as necessitated by mission changes, system interoperability, and system security.

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Exhibit P-40a, Budget Item Justification For Aggregated Modification Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 2								P-1 Line Item Number / Title: 832070 / Intelligence Comm Equipment							Aggregated Modification Items Title: Integrated Broadcast Service (IBS)				

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

Item Number / Title	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / Mod 1			-	-	-	-	-	2.616	-	-	2.642	-	-	1.548	-	-	-	-	-	1.548
2 / Mod 2			-	-	-	-	-	3.108	-	-	3.167	-	-	3.167	-	-	-	-	-	3.167
3 / Mod 3			-	-	-	-	-	1.274	-	-	1.298	-	-	0.816	-	-	-	-	-	0.816
4 / Mod 4			-	-	-	-	-	2.063	-	-	2.102	-	-	2.102	-	-	-	-	-	2.102
5 / Mod 5			-	-	-	-	-	1.060	-	-	1.873	-	-	1.873	-	-	-	-	-	1.873
Total			-	-	0.000	-	-	10.121	-	-	11.082	-	-	9.506	-	-	-	-	-	9.506

Item Number / Title	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / Mod 1			-	-	3.741	-	-	3.354	-	-	2.500	-	-	2.573	-	-	-	-	-	18.974
2 / Mod 2			-	-	3.167	-	-	3.133	-	-	3.167	-	-	3.262	-	-	-	-	-	22.171
3 / Mod 3			-	-	1.298	-	-	1.300	-	-	1.298	-	-	1.337	-	-	-	-	-	8.621
4 / Mod 4			-	-	2.102	-	-	2.276	-	-	2.102	-	-	2.165	-	-	-	-	-	14.912
5 / Mod 5			-	-	1.873	-	-	1.873	-	-	1.873	-	-	1.929	-	-	-	-	-	12.354
Total			-	-	12.181	-	-	11.936	-	-	10.940	-	-	11.266	-	-	-	-	-	77.032

Modification Information:

Item Number / Title	Models of Systems Affected	Modification Type
1 / Mod 1	IBS	Reliability & Maintainability
2 / Mod 2	IBS	Reliability & Maintainability
3 / Mod 3	IBS	Reliability & Maintainability
4 / Mod 4	IBS	Reliability & Maintainability
5 / Mod 5	IBS	Reliability & Maintainability

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 2						P-1 Line Item Number / Title: 832070 / Intelligence Comm Equipment									Aggregated Items Title: Military Intelligence Program (MIP) Activities				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Air Force Disaster Recovery Program (AF DRP)	A		-	-	-	-	-	3.607	-	-	3.921	-	-	2.900	-	-	-	-	-	2.900
Subtotal: Uncategorized			-	-	-	-	-	3.607	-	-	3.921	-	-	2.900	-	-	-	-	-	2.900
Total			-	-	-	-	-	3.607	-	-	3.921	-	-	2.900	-	-	-	-	-	2.900

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost					
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)			
Uncategorized																							
Air Force Disaster Recovery Program (AF DRP)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 2								P-1 Line Item Number / Title: 832070 / Intelligence Comm Equipment							Aggregated Items Title: Network-Centric Collaborative Targeting				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Network Centric Collaborative Targeting	A		-	-	-	-	-	2.900	-	-	2.974	-	-	2.418	-	-	-	-	-	2.418
Subtotal: Uncategorized			-	-	-	-	-	2.900	-	-	2.974	-	-	2.418	-	-	-	-	-	2.418
Total			-	-	-	-	-	2.900	-	-	2.974	-	-	2.418	-	-	-	-	-	2.418

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Network Centric Collaborative Targeting	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Remarks:

PE 0305221F Network Centric Collaborative Targeting (NCCT)

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 2								P-1 Line Item Number / Title: 832070 / Intelligence Comm Equipment							Aggregated Items Title: Space Situation Awareness Operations - MIP				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
DSC2-D	A		-	-	-	-	-	1.522	-	-	4.757	-	-	-	-	-	-	-	-	-
COBRA DANE RADAR	A		-	-	-	-	-	1.749	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Uncategorized			-	-	-	-	-	3.271	-	-	4.757	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	3.271	-	-	4.757	-	-	-	-	-	-	-	-	-

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
DSC2-D	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COBRA DANE RADAR	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 2								P-1 Line Item Number / Title: 832070 / Intelligence Comm Equipment							Aggregated Items Title: Tactical Cryptologic Units (ANG)				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total								
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	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 CRYPTOLOGIC SUPPORT																										
Cryptologic Support ANG	A		-	-	-	-	-	11.200	-	-	-	-	-	-	-	-	-	-	-	-						
Subtotal: ANG CRYPTOLOGIC SUPPORT			-	-	-	-	-	11.200	-	-	-	-	-	-	-	-	-	-	-	-						
Total			-	-	-	-	-	11.200	-	-	-	-	-	-	-	-	-	-	-	-						

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	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 CRYPTOLOGIC SUPPORT																				
Cryptologic Support ANG	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: ANG CRYPTOLOGIC SUPPORT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 2								P-1 Line Item Number / Title: 832070 / Intelligence Comm Equipment							Aggregated Items Title: Space Superiority Intelligence				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Space Superiority Intelligence	A		-	-	-	-	-	-	-	-	-	-	-	1.490	-	-	-	-	-	1.490
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	1.490	-	-	-	-	-	1.490
Total			-	-	-	-	-	-	-	-	-	-	-	1.490	-	-	-	-	-	1.490

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Space Superiority Intelligence	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs							P-1 Line Item Number / Title: 833170 / Mission Planning Systems					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements: 0208006F				
Line Item MDAP/MAIS Code: N35			Item MDAP/MAIS Code(s):									
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	14.722	11.915	15.649	14.456	-	14.456	15.999	15.455	15.719	15.997	-	119.912
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	14.722	11.915	15.649	14.456	-	14.456	15.999	15.455	15.719	15.997	-	119.912
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	14.722	11.915	15.649	14.456	-	14.456	15.999	15.455	15.719	15.997	-	119.912
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Mission Planning Systems (MPS) Hardware program procures commercial-off-the-shelf (COTS) computing systems hardware and hardware-related requirements for Air Force active duty, Guard, and Reserve units worldwide. These computing systems provide a flexible, configurable and cost-effective range of increasing capability to meet the continuum of peacetime, contingency and wartime planning requirements. These electronic systems provide a mission data management system that efficiently interfaces with other planning systems as well as aircraft avionics. These computing systems are procured on a four-year technical refreshment cycle to effectively address and/or alleviate Diminishing Manufacturing Sources (DMS) issues. Once procured the systems are centrally managed for all applicable AF platforms and their operational users, including Guard and Reserve Forces.

The program continues the procurement of COTS computing hardware and other devices associated with the Mission Planning Systems, Major Automated Information System (MAIS) program. It also continues the procurement of all capital replacement hardware used in conjunction with MPS and other pre and post flight mission planning software. Together this hardware and associated software enables air crews and other planners to plan the safest, most effective operational missions in a timely manner.

The program procures COTS based Personal Computing (PC) Systems to include (but are not limited to) desktop computers, laptops, personal digital assistants (PDA), tablet PCs, color printers, storage devices, displays, other peripherals, software and software licenses, and other support services, that together, allow the user to produce the necessary charts and other mission-specific products required to effectively perform a variety of military missions.

A variety of information technology, navigation and communications hardware and software packages will also be procured each year to meet the varied needs of mission planning platforms and training units. This PC-based capability, when integrated with corresponding mission planning software releases, provides a portable, tailorable, net-centric system for air crews to complete the mission planning function. The procured items also enable air crews to effectively utilize software that has been modified to stay in sync with new capabilities incorporated into select platforms via their Operational Flight Program (OFP) update process. They also provide a mission planning capability for precision/autonomous guided munitions and can also be networked with other Theater Battle Management (TBM) systems to further tailor a platform's mission planning environment.

The MPS procurement strategy leverages the rapid increase in PC-based technology to enable high-end computing on increasingly smaller and more mission-oriented devices. The programs procure UNIX and PC-based systems that provide flexible, configurable, and cost effective solutions that increase tactical and strategic capabilities to meet the continuum of operations ranging from peacetime contingencies to conventional and nuclear wartime mission planning requirements. Each segment of the program has shifted its hardware emphasis from a limited number of large, complex planning systems to more compact and personal planning devices that can be tailored to satisfy user needs. This adjustment is a practical and efficient way to meet technology-driven challenges such as the evolutionary nature of mission planning

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs		P-1 Line Item Number / Title: 833170 / Mission Planning Systems
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0208006F
Line Item MDAP/MAIS Code: N35	Item MDAP/MAIS Code(s):	
<p>(that necessitates recurrent hardware changes to meet overall system requirements) and advances in COTS technology that makes available new capabilities (which may lower component costs or address component obsolescence). It is also a more effective way to address changes in the number, type, and deployment of aircraft/weapons that force changes in the number of UNIX and PC-based mission planning computers and their concept of operations.</p> <p>1. MISSION PLANNING SYSTEMS (MPS) HARDWARE: This acquisition is a continuation of procurement efforts to provide MPS-related hardware for Air Force platforms. The program will provide a suite of COTS-based mission planning hardware and software systems that can be integrated with USAF Command, Control, Communications, Computers, and Intelligence (C4I) systems for the operation of USAF aircraft (e.g. A-10, F-22, B-1B, F-16, F-15, RC/OC-135, E-3, E-4, E-8, RQ-4, C-130, HC-130, EC-130, HH-60, KC-135, KC-46, C-5, KC-10, C-17, U-2, B-52, B-2, MC-12, T-38) and the support of USAF training requirements. MPS allows air crews to electronically receive tasking orders, intelligence information, target coordinates, imagery and other information. This information is then used to organize and prepare flight (including equipment and personnel airdrop) and weapons delivery planning data (e.g., maps, charts, imagery, flight logs, radar predications, and navigation databases) that is electronically transferred to aircraft and/or precision-guided weapons. MPS increases the combat effectiveness of Air Force aerial assets (including unmanned air vehicles, conventional and low-observable aircraft, and weapons) and Army guided delivery systems by supporting the use of sophisticated avionics and precision/autonomous guided munitions. It helps to increase wartime sortie rates while improving aircrew and aircraft survivability and aircrew readiness.</p> <p>2. PRECISION AERIAL DELIVERY SYSTEM (PADS): PADS provides the capability for direct delivery of cargo and equipment through high altitude, precision airdrops. Currently it consists of the Joint Precision Airdrop System (JPADS) acquisition effort. JPADS is a collaborative effort with the Army, USMC, and other agencies to provide aviators the ability to accurately airdrop payloads (including supplies/equipment and technical refresh, as well as personnel) to units in the field from altitudes beyond the reach of most surface-to-air weaponry. This portion of the program procures COTS-based computing hardware, support services and aerial delivery systems to enable completion of pre and in-flight mission planning functions as well as aerial delivery proficiency training in and with operational units.</p> <p>Market surveys and analysis of COTS products will be used to support procurement decisions. Funding for this exhibit is in Program Element (PE) 0208006F.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs				P-1 Line Item Number / Title: 833170 / Mission Planning Systems				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0208006F		
Line Item MDAP/MAIS Code: N35		Item MDAP/MAIS Code(s):						
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1. Mission Planning Systems (MPS)	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
a. MPS Hardware	P-40a	A	- / 7.891	- / 4.877	- / 6.824	- / 7.568	- / -	- / 7.568
b. MPS Program Management Administration (Contractor Services)	P-40a	A	- / 0.313	- / 0.313	- / 0.425	- / 0.307	- / -	- / 0.307
2. Precision Aerial Delivery Systems (PADS)	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
a. PADS Dropsondes	P-40a	A	- / 0.000	2,100 / 2.112	1,500 / 2.332	- / -	- / -	- / -
b. PADS Shipping	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
c. PADS Support Services & Spares	P-40a	A	- / 1.819	- / 1.413	- / 1.517	- / -	- / -	- / -
d. PADS Program Administration	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
e. PADS System Engineering & Logistical Support	P-40a	A	- / 2.045	- / 2.598	- / 2.702	- / 2.328	- / -	- / 2.328
f. PADS Testing	P-40a	A	- / 0.334	- / -	- / -	- / -	- / -	- / -
g. PADS Delivery Systems	P-40a	A	54 / 1.704	4 / 0.124	- / -	- / -	- / -	- / -
h. PADS PARANAVSYS Delivery Systems	P-40a	A	- / 0.000	- / -	- / -	67 / 0.742	- / -	67 / 0.742
i. PADS Delivery System Riggings & Services	P-40a	A	- / 0.000	- / 0.016	- / -	- / -	- / -	- / -
j. Program Management Administration (Government Cost)	P-40a	A	- / 0.319	- / 0.161	- / 0.180	- / 0.130	- / -	- / 0.130
k. Program Management Administration (Contractor Services)	P-40a	A	- / 0.297	- / 0.301	- / 0.299	- / 0.391	- / -	- / 0.391
l. JPADS Hardware Systems	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
m. PADS Ultralight	P-40a	A	- / 0.000	- / -	4 / 0.080	4 / 0.080	- / -	4 / 0.080
n. PADS 2K	P-40a	A	- / 0.000	- / -	45 / 0.540	180 / 2.060	- / -	180 / 2.060
o. PADS Drives & Storage Devices	P-40a	A	- / 0.000	- / -	1,500 / 0.750	1,500 / 0.750	- / -	1,500 / 0.750
p. Depot Equipment	P-40a	A	- / 0.000	- / -	- / -	4 / 0.100	- / -	4 / 0.100
Total Gross/Weapon System Cost			- / 14.722	- / 11.915	- / 15.649	- / 14.456	- / -	- / 14.456
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1. Mission Planning Systems (MPS)	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
a. MPS Hardware	P-40a	A	- / 9.610	- / 9.248	- / 8.935	- / 9.097	- / -	- / 64.050
b. MPS Program Management Administration (Contractor Services)	P-40a	A	- / 0.315	- / 0.325	- / 0.335	- / 0.335	- / -	- / 2.668
2. Precision Aerial Delivery Systems (PADS)	P-40a	A	- / -	32 / -	24 / -	20 / -	- / -	76 / -
a. PADS Dropsondes	P-40a	A	- / -	- / -	- / -	- / -	- / -	3,600 / 4.444
b. PADS Shipping	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
c. PADS Support Services & Spares	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / 4.749
d. PADS Program Administration	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
e. PADS System Engineering & Logistical Support	P-40a	A	- / 2.234	- / 2.297	- / 2.015	20 / 0.713	- / -	20 / 16.932
f. PADS Testing	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / 0.334

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs					P-1 Line Item Number / Title: 833170 / Mission Planning Systems			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0208006F		
Line Item MDAP/MAIS Code: N35		Item MDAP/MAIS Code(s):						

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
g. PADS Delivery Systems	P-40a	A	- / -	- / 1.141	- / 0.856	- / -	- / -	58 / 3.825
h. PADS PARANAVSYS Delivery Systems	P-40a	A	66 / 0.762	66 / 0.762	66 / 0.762	- / -	- / -	265 / 3.028
i. PADS Delivery System Riggings & Services	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / 0.016
j. Program Management Administration (Government Cost)	P-40a	A	- / 0.130	- / 0.130	- / 0.130	- / 0.130	- / -	- / 1.310
k. Program Management Administration (Contractor Services)	P-40a	A	- / 0.399	- / 0.406	- / 0.414	- / 0.414	- / -	- / 2.921
l. JPADS Hardware Systems	P-40a	A	- / 1.947	- / 1.014	- / 2.096	- / 4.382	- / -	- / 9.439
m. PADS Ultralight	P-40a	A	4 / 0.086	6 / 0.132	8 / 0.176	8 / 0.176	- / -	34 / 0.730
n. PADS 2K	P-40a	A	43 / 0.516	- / -	- / -	- / -	- / -	268 / 3.116
o. PADS Drives & Storage Devices	P-40a	A	- / -	- / -	- / -	1,500 / 0.750	- / -	4,500 / 2.250
p. Depot Equipment	P-40a	A	- / -	- / -	- / -	- / -	- / -	4 / 0.100
Total Gross/Weapon System Cost			- / 15.999	- / 15.455	- / 15.719	- / 15.997	- / -	- / 119.912

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:
FY16 funding will continue procuring a variety of computers, software, and electronic equipment to support pre-, post-, and in-flight mission planning tasks for a number of Air Force platforms. Procured hardware and other items will support and enable completion of mission planning efforts using legacy planning tools (e.g. Unix-MPS and the Portable Flight Planning Software (PFPS)) as well as the Joint Mission Planning Systems (JMPS). They will also accommodate planning system updates based upon new capabilities being incorporated via individual platform's Operational Flight Programs (OFPs). All items are centrally managed and distributed by the MPS System Support Facility. The following kinds of equipment and mission areas will be supported:

1. MPS HARDWARE: FY16 funding will continue procuring COTS-based hardware, software, and support services to include (but is not limited to) desktop computers, laptops, tablet PCs, data storage devices, PDAs, monitors, software applications, warranties, and other electronic computing components. These assets provide a portable, tailorable, network-capable system that can be integrated with MPS software to provide basic mission planning capability and full interoperability with TBM systems. Components can also be networked with legacy UNIX Systems to further tailor a platforms mission planning environment. The program will procure hardware and software items, warranties, up to a 15% contingency spare inventory based on the overall number of items being procured and other services for the following mission planning programs as they incorporate and enable new capability resident in the OFPs of each platform, to include, but not limited to:

ACC: A-10, B-1B, F-15 C/D/E, F-16 Block 30/40/50, F-22, E-3, E-4, E-8, RC/OC-135, HH-60, HC-130, RQ-4, U-2, MC-12, F35

AMC: C-5, C-17, C-130, KC-10, KC-135, KC-46

Air Force Global Strike Command: B-2, B-52

Air Education and Training Command: T-38

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs		P-1 Line Item Number / Title: 833170 / Mission Planning Systems
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0208006F
Line Item MDAP/MAIS Code: N35	Item MDAP/MAIS Code(s):	
<p>2. PRECISION AERIAL DELIVERY SYSTEMS (PADS): FY16 funding will continue the procurement of Joint Precision Airdrop Systems (JPADS) hardware, software, depot stand up, procurement of JPADS LRU support equipment for functional checkout (ATE) for a precision aerial delivery capability (principally for C-17 and C-130 aircraft). Components include, but are not limited to: guided delivery vehicles (e.g. ultralight, 2K, 10K); Pressure Tolerant Disk Drives (PTDD) [including solid state and pressure sealed disk drives]; precision-guided airdrop training systems; portable data storage units, engineering/technical support, and associated hardware warranties. Funding for this effort is in program element 0208006F.</p> <p>3. INTERIM CONTRACTOR SUPPORT (ICS): FY16 funding will provide ICS to ensure system operability, including hardware and software support. ICS will gradually transition to organic sustainment starting in FY16.</p> <p>4. PROGRAM MANAGEMENT ADMINISTRATION: FY16 funding provides program office, engineering, and other contractor support for the Mission Planning Systems procurement program.</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 2								P-1 Line Item Number / Title: 833170 / Mission Planning Systems							Aggregated Items Title: Mission Planning Systems					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
1. Mission Planning Systems (MPS)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
a. MPS Hardware	A		-	-	7.891	-	-	4.877	-	-	6.824	-	-	7.568	-	-	-	-	-	7.568
b. MPS Program Management Administration (Contractor Services)	A		-	-	0.313	-	-	0.313	-	-	0.425	-	-	0.307	-	-	-	-	-	0.307
2. Precision Aerial Delivery Systems (PADS)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
a. PADS Dropsondes	A		-	-	0.000	1,005.71	2,100	2.112	1,554.67	1,500	2.332	-	-	-	-	-	-	-	-	-
b. PADS Shipping	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. PADS Support Services & Spares	A		-	-	1.819	-	-	1.413	-	-	1.517	-	-	-	-	-	-	-	-	-
d. PADS Program Administration	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. PADS System Engineering & Logistical Support	A		-	-	2.045	-	-	2.598	-	-	2.702	-	-	2.328	-	-	-	-	-	2.328
f. PADS Testing	A		-	-	0.334	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
g. PADS Delivery Systems	A		31,555.56	54	1.704	31,000.00	4	0.124	-	-	-	-	-	-	-	-	-	-	-	-
h. PADS PARANAVSYS Delivery Systems	A		-	-	0.000	-	-	-	-	-	-	11,074.63	67	0.742	-	-	-	11,074.63	67	0.742
i. PADS Delivery System Riggings & Services	A		-	-	0.000	-	-	0.016	-	-	-	-	-	-	-	-	-	-	-	-
j. Program Management Administration (Government Cost)	A		-	-	0.319	-	-	0.161	-	-	0.180	-	-	0.130	-	-	-	-	-	0.130
k. Program Management Administration (Contractor Services)	A		-	-	0.297	-	-	0.301	-	-	0.299	-	-	0.391	-	-	-	-	-	0.391
l. JPADS Hardware Systems	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m. PADS Ultralight	A		-	-	0.000	-	-	-	20,000.00	4	0.080	20,000.00	4	0.080	-	-	-	20,000.00	4	0.080
n. PADS 2K	A		-	-	0.000	-	-	-	12,000.00	45	0.540	11,444.44	180	2.060	-	-	-	11,444.44	180	2.060
o. PADS Drives & Storage Devices	A		-	-	0.000	-	-	-	500.00	1,500	0.750	500.00	1,500	0.750	-	-	-	500.00	1,500	0.750
p. Depot Equipment	A		-	-	0.000	-	-	-	-	-	-	25,000.00	4	0.100	-	-	-	25,000.00	4	0.100

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force																Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 2								P-1 Line Item Number / Title: 833170 / Mission Planning Systems								Aggregated Items Title: Mission Planning Systems			

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Subtotal: Uncategorized			-	-	14.722	-	-	11.915	-	-	15.649	-	-	14.456	-	-	-	-	-	14.456
Total			-	-	14.722	-	-	11.915	-	-	15.649	-	-	14.456	-	-	-	-	-	14.456

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
1. Mission Planning Systems (MPS)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
a. MPS Hardware	A		-	-	9.610	-	-	9.248	-	-	8.935	-	-	9.097	-	-	-	-	64.050	
b. MPS Program Management Administration (Contractor Services)	A		-	-	0.315	-	-	0.325	-	-	0.335	-	-	0.335	-	-	-	-	2.668	
2. Precision Aerial Delivery Systems (PADS)	A		-	-	-	-	32	-	-	24	-	-	20	-	-	-	-	76	-	
a. PADS Dropsondes	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,234.44	3,600	4.444
b. PADS Shipping	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. PADS Support Services & Spares	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.749
d. PADS Program Administration	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. PADS System Engineering & Logistical Support	A		-	-	2.234	-	-	2.297	-	-	2.015	35,650.00	20	0.713	-	-	-	846,613.65	20	16.932
f. PADS Testing	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.334
g. PADS Delivery Systems	A		-	-	-	-	-	1.141	-	-	0.856	-	-	-	-	-	-	65,948.28	58	3.825
h. PADS PARANAVSYS Delivery Systems	A		11,545.45	66	0.762	11,545.45	66	0.762	11,545.45	66	0.762	-	-	-	-	-	-	11,426.42	265	3.028
i. PADS Delivery System Riggings & Services	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.016
j. Program Management Administration (Government Cost)	A		-	-	0.130	-	-	0.130	-	-	0.130	-	-	0.130	-	-	-	-	-	1.310
k. Program Management	A		-	-	0.399	-	-	0.406	-	-	0.414	-	-	0.414	-	-	-	-	-	2.921

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 2					P-1 Line Item Number / Title: 833170 / Mission Planning Systems										Aggregated Items Title: Mission Planning Systems					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Administration (Contractor Services)																				
I. JPADS Hardware Systems	A		-	-	1.947	-	-	1.014	-	-	2.096	-	-	4.382	-	-	-	-	-	9.439
m. PADS Ultralight	A		21,500.00	4	0.086	22,000.00	6	0.132	22,000.00	8	0.176	22,000.00	8	0.176	-	-	-	21,470.59	34	0.730
n. PADS 2K	A		12,000.00	43	0.516	-	-	-	-	-	-	-	-	-	-	-	-	11,626.87	268	3.116
o. PADS Drives & Storage Devices	A		-	-	-	-	-	-	-	-	-	500.00	1,500	0.750	-	-	-	500.00	4,500	2.250
p. Depot Equipment	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25,000.00	4	0.100
Subtotal: Uncategorized			-	-	15.999	-	-	15.455	-	-	15.719	-	-	15.997	-	-	-	-	-	119.912
Total			-	-	15.999	-	-	15.455	-	-	15.719	-	-	15.997	-	-	-	-	-	119.912

Remarks:

Unit costs vary because different types/configurations of equipment are being procured.

Multiple award and delivery dates on existing contract(s); award/delivery dates reflect date of first award and delivery.

Mission Planning Systems (MPS) and Precision Aerial Delivery Systems (PADS) components are procured as commercial-of-the-shelf (COTS) equipment using various contracting methods, vehicles and agencies. Items are procured annually via Delivery Orders (DOs) on a variety of contract vehicles (e.g. Blanket Purchase Agreements (BPAs), Indefinite Delivery Indefinite Quantity (IDIQ) contracts, and GSA and NASA SEWP IV Contract schedules) and through agencies such as AFWAY (Gunter AFB) and the Department of the Interior, Acquisition Directorate (AQD) Herndon, VA. Examples of GSA Schedule usage include DO# FA877108F0925 (awarded 10 Mar 08 to CDW Government Inc., Contract GS35F0195J) and DO# FA877109M009 (awarded 24 Feb 09 to RYLEX Consulting, Contract GS35F4411G). Examples of NASA SEWP IV contracts include NNG07DA22B DO# 0408DO21067 awarded 19 Sep 08 to Blue Tech Inc. and NNG07DA30B DO# 0409D021091 awarded 16 Dec 08 to GC MICRO Corp. Other contractors include Technology Solutions Group (TSG), formerly known as Planning Systems, Inc. (PSI), Reston, VA.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs	P-1 Line Item Number / Title: 833010 / Air Traffic Control & Landing Sys
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	32.118	28.400	31.823	-	31.823	87.329	74.479	87.089	73.553	-	414.79
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	32.118	28.400	31.823	-	31.823	87.329	74.479	87.089	73.553	-	414.79
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	32.118	28.400	31.823	-	31.823	87.329	74.479	87.089	73.553	-	414.79
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	0.989	3.306	1.017	-	1.017	-	-	-	-	-	5.312
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Air Traffic Control and Landing Systems (ATCALS) procures and supports fixed-base and tactical radar, navigation aids, voice communications, and data processing/automation capabilities which enables United States Air Force (USAF) air traffic controllers to provide advisory, sequencing, separation, and landing guidance services to all aircraft in USAF-assigned airspace. In support of Global Mobility, Agile Combat Support, Global Strike, Homeland Security, and Global Response concepts of operation, ATCALS centrally manages the Air Forces Air Traffic Control capability to ensure Air Traffic Control facilities/equipment can safely and expeditiously support enroute and terminal operations in benign and combat areas of responsibility. ATCALS operational and training systems must be interoperable with systems operated by other services, the Federal Aviation Administration (FAA), or host nations.

The FY2016 funding request was reduced by \$2.656M to account for the availability of prior execution balances

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.

AIR TRAFFIC CONTROL AND AIRFIELD OPERATIONS (ATC OPS): ATC OPS provides for procurement of new system and replacement, modification, or mitigation of diminishing manufacturing source issues of legacy ATC navigation and landing systems, as well as related voice communications, data processing/automation systems, and ancillary equipment such as ATC digital audio legal recorders, flight data input/output systems, electronic flight strip systems, air traffic information systems, instrument procedures for airspace management and airfield management systems. A key element of ATC operations is the ATCALS Navigational Aids (NAVAIDS) Family of Systems (FOS) Replacement program, which combines organizational realignments, process improvements, and investments in state-of-the-art commercial-off-the-shelf technology to replace legacy fixed and deployable equipment. The NAVIADS FOS replacement program includes the fixed base Very High Frequency (VHF) Omnidirectional Range System (VOR), Tactical Air Navigation (TACAN), and VORTAC (combined VOR/TACAN), Deployable TACAN, and Digital ATC radios. ATCALS also includes procurement of a new Deployable Instrument Landing System (D-ILS) which will replace the 1970s era mobile precision approach radar. These investments will result in significant manpower and operations/ maintenance savings over the next 20 years.

1. DIGITAL AIR TRAFFIC CONTROL (ATC) RADIO REPLACEMENT: The ATC ground-to-air VHF and Ultra High Frequency (UHF) radios are 30 years old and difficult to maintain. The Digital ATC Radio Replacement Program will replace ATC fixed-base radios with state-of-the-art systems that will include a remote maintenance capability and 8.33kHz channel spacing (mandatory requirement in Europe by FY18). In order to ensure system commonality and common logistics support and training, ATC radios are being procured as a centrally managed item by the Air Force Life Cycle Management Center at Tinker AFB. Approximately 4,500 radios will be replaced.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs	P-1 Line Item Number / Title: 833010 / Air Traffic Control & Landing Sys
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
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2. ATCALs DEPLOYABLE TACAN (D-TACAN) REPLACEMENT: Replaces a 1970 era legacy system. A total of 19 systems were procured in prior years.

3. ATCALs Fixed Base (FB) Navigational Aids (NAVAIDS) FoS Replacement: The current systems (1970 era) have reached the end of their normal lifespan, are manpower intensive, and are costly to support. New systems will include remote maintenance, monitoring, alignment, and flight inspection support capabilities via Remote Maintenance Centers (RMC). One VOR (1 AD), 28 VORTACs (25 AD/1 ANG/2 AFR), and 92 fixed-based TACANs (76 AD/10 ANG/6 AFR) will be procured from FY12 through FY18.

- a. ATCALs FB NAVAIDS FoS VOR REPLACEMENT
- b. ATCALs FB NAVAIDS FoS VORTAC REPLACEMENT
- c. ATCALs FB NAVAIDS FoS TACAN REPLACEMENT

4. DEPLOYABLE INSTRUMENT LANDING SYSTEM (D-ILS): D-ILS is a deployable Category I (200ft decision height/2400ft runway visual range) ILS with remote monitoring and maintenance capabilities. D-ILS will provide precision approach capability in adverse weather conditions for contingency operations and humanitarian or disaster relief operations. D-ILS will replace the current Air Force mobile Precision Approach Radar (PAR) system used to support operations at deployed locations. These systems were procured in the 1970s, are manpower intensive, and logistically unsupportable. On average, only 18% (three of 17 systems) of the mobile PAR systems are operational on a daily basis. D-ILS will support increased operations in the area of responsibility, allow phase out of the currently obsolete legacy systems and provide interoperability with the Civil Reserve Air Fleet (CRAF). The D-ILS Capability Development Document (CDD) was approved by the Air Force Requirements Oversight Council (AFROC) on 16 Sep 08.

Funding for this exhibit is contained in Program Element (PE) 0305114F.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	32.118	24.971	29.883	-	29.883	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	1.905	1.552	-	1.552	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	1.524	0.388	-	0.388	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	32.118	28.400	31.823	-	31.823	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs					P-1 Line Item Number / Title: 833010 / Air Traffic Control & Landing Sys			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Digital Air Traffic Control Radio Replacement	P-5, P-5a		- / -	53 / 1.061	- / -	185 / 2.590	- / -	185 / 2.590
D-ILS	P-5, P-5a		- / -	2 / 22.170	1 / 4.590	1 / 8.078	- / -	1 / 8.078
D-TACAN	P-5		- / -	1 / 0.837	- / -	- / -	- / -	- / -
FB NAVAIDS FOS TACAN	P-5, P-5a		- / -	- / 8.050	20 / 20.402	20 / 17.109	- / -	20 / 17.109
FB NAVAIDS FOS VORTAC	P-5, P-5a		- / -	- / -	6 / 3.408	7 / 4.046	- / -	7 / 4.046
Total Gross/Weapon System Cost			- / -	- / 32.118	- / 28.400	- / 31.823	- / -	- / 31.823
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
Justification: 1. DIGITAL AIR TRAFFIC CONTROL (ATC) RADIO REPLACEMENT: FY16 funds procure 185 systems (185 AD/0 ANG/0 AFR). 2. ATCALS DEPLOYABLE TACAN (D-TACAN) REPLACEMENT: No funds requested in FY16. 3. ATCALS Fixed Base (FB) Navigational Aids (NAVAIDS) Family of Systems (FoS) Replacement: a. ATCALS FB NAVAIDS FoS VOR REPLACEMENT: No FY16 funds are requested. b. ATCALS FB NAVAIDS FoS VORTAC REPLACEMENT: FY16 funds procure 7 systems (7 AD/0 ANG/0 AFR). c. ATCALS FB NAVAIDS FoS TACAN REPLACEMENT: FY16 funds procure 20 systems (15 AD/4 ANG/1 AFR). 4. DEPLOYABLE INSTRUMENT LANDING SYSTEM (D-ILS): FY16 funds procure 1 sytems (1 AD/0 ANG/0 AFR).								

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Exhibit P-5, Cost Analysis: PB 2016 Air Force										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3						P-1 Line Item Number / Title: 833010 / Air Traffic Control & Landing Sys									Item Number / Title [DODIC]: - / Digital Air Traffic Control Radio Replacement				
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total					
Procurement Quantity (Units in Each)				-		53		-		185		-		185					
Gross/Weapon System Cost (\$ in Millions)				-		1.061		-		2.590		-		2.590					
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-					
Net Procurement (P1) (\$ in Millions)				-		1.061		-		2.590		-		2.590					
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-					
Total Obligation Authority (\$ in Millions)				-		1.061		-		2.590		-		2.590					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares (\$ in Millions)				-		-		-		0.056		-		0.056					
Gross/Weapon System Unit Cost (\$ in Millions)				-		0.020		-		0.014		-		0.014					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																			
Cost Elements		Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Digital Air Traffic Control Radio Replacement Cost																			
Recurring Cost																			
Digital Air Traffic Control Radio ^(†)		-	-	-	0.020	53	1.061	-	-	-	0.014	185	2.590	-	-	-	0.014	185	2.590
Subtotal: Recurring Cost		-	-	-	-	-	1.061	-	-	-	-	-	2.590	-	-	-	-	-	2.590
Subtotal: Hardware - Digital Air Traffic Control Radio Replacement Cost		-	-	-	-	-	1.061	-	-	-	-	-	2.590	-	-	-	-	-	2.590
Gross/Weapon System Cost		-	-	-	0.020	53	1.061	-	-	-	0.014	185	2.590	-	-	-	0.014	185	2.590
Secondary Distribution						FY 2014			FY 2015			FY 2016 Base		FY 2016 OCO		FY 2016 Total			
AF		Quantity					53			-			185		-		185		
		Total Obligation Authority					1.061			-			2.590		-		2.590		
Total: Secondary Distribution		Quantity					53			-			185		-		185		
		Total Obligation Authority					1.061			-			2.590		-		2.590		
^(†) indicates the presence of a P-5a																			

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3			P-1 Line Item Number / Title: 833010 / Air Traffic Control & Landing Sys					Item Number / Title [DODIC]: - / Digital Air Traffic Control Radio Replacement				
Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Digital Air Traffic Control Radio		2014	General Dynamics / Oklahoma City, OK	C / FFP	FAA/AMQ 340, Okla City, OK	Jan 2015	Jul 2015	53	0.020	Y		
Digital Air Traffic Control Radio		2016	General Dynamics / Oklahoma City, OK	C / FFP	FAA/AMQ 340, Okla City, OK	Nov 2015	Jul 2016	185	0.014	Y		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3						P-1 Line Item Number / Title: 833010 / Air Traffic Control & Landing Sys												Item Number / Title [DODIC]: - / D-ILS				
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:												
Resource Summary						Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total						
Procurement Quantity <i>(Units in Each)</i>						-		2		1		1		-		1						
Gross/Weapon System Cost <i>(\$ in Millions)</i>						-		22.170		4.590		8.078		-		8.078						
Less PY Advance Procurement <i>(\$ in Millions)</i>						-		-		-		-		-		-						
Net Procurement (P1) <i>(\$ in Millions)</i>						-		22.170		4.590		8.078		-		8.078						
Plus CY Advance Procurement <i>(\$ in Millions)</i>						-		-		-		-		-		-						
Total Obligation Authority <i>(\$ in Millions)</i>						-		22.170		4.590		8.078		-		8.078						
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																						
Initial Spares <i>(\$ in Millions)</i>						-		-		0.134		-		-		-						
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>						-		11.085		4.590		8.078		-		8.078						
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																						
Cost Elements		Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total					
		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)			
Hardware - D-ILS Cost																						
Recurring Cost																						
D-ILS Systems ^(†)		-	-	-	8.615	2	17.230	-	-	-	4.200	1	4.200	-	-	-	4.200	1	4.200			
Subtotal: Recurring Cost		-	-	-	-	-	17.230	-	-	-	-	-	4.200	-	-	-	-	-	4.200			
Subtotal: Hardware - D-ILS Cost		-	-	-	-	-	17.230	-	-	-	-	-	4.200	-	-	-	-	-	4.200			
Support - D-ILS Cost																						
Government Furnished Equipment		-	-	-	-	-	1.170	-	-	-	-	-	-	-	-	-	-	-	-			
Direct Mission Support/ Interim Contractor Support		-	-	-	-	-	2.020	-	-	1.340	-	-	1.259	-	-	-	-	-	1.259			
PMA AFLCMC (Hanscom AFB)		-	-	-	-	-	1.750	3.250	1	3.250	-	-	2.619	-	-	-	-	-	2.619			
Subtotal: Support - D-ILS Cost		-	-	-	-	-	4.940	-	-	4.590	-	-	3.878	-	-	-	-	-	3.878			
Gross/Weapon System Cost		-	-	-	11.085	2	22.170	4.590	1	4.590	8.078	1	8.078	-	-	-	8.078	1	8.078			
Secondary Distribution								FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total						
AF		Quantity						2		1		1		-		1						
		Total Obligation Authority						22.170		4.590		8.078		-		8.078						
Total:		Quantity						2		1		1		-		1						

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Exhibit P-5, Cost Analysis: PB 2016 Air Force				Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3		P-1 Line Item Number / Title: 833010 / Air Traffic Control & Landing Sys		Item Number / Title [DODIC]: - / D-ILS		
ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	22.170	4.590	8.078	-	8.078

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3				P-1 Line Item Number / Title: 833010 / Air Traffic Control & Landing Sys				Item Number / Title [DODIC]: - / D-ILS				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
D-ILS Systems		2014	Thales / Clarksburg, Maryland	SS / FFP	AFLCMC Hanscom AFB	Jun 2015	Mar 2016	2	8.615	Y		
D-ILS Systems		2016	Thales / Clarksburg, Maryland	SS / FFP	AFLCMC Hanscom AFB	Jun 2016	Feb 2017	1	4.200	Y		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3						P-1 Line Item Number / Title: 833010 / Air Traffic Control & Landing Sys												Item Number / Title [DODIC]: - / D-TACAN						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:														
Resource Summary						Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total			
Procurement Quantity (Units in Each)						-			1			-			-			-			-			
Gross/Weapon System Cost (\$ in Millions)						-			0.837			-			-			-			-			
Less PY Advance Procurement (\$ in Millions)						-			-			-			-			-			-			
Net Procurement (P1) (\$ in Millions)						-			0.837			-			-			-			-			
Plus CY Advance Procurement (\$ in Millions)						-			-			-			-			-			-			
Total Obligation Authority (\$ in Millions)						-			0.837			-			-			-			-			
(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 (\$ in Millions)						-			0.837			-			-			-			-			
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																								
Cost Elements		Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total							
		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)					
Support - D-TACAN Equipment Replacement Cost																								
Interim Contractor Support		-	-	-	0.837	1	0.837	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal: Support - D-TACAN Equipment Replacement Cost		-	-	-	-	-	0.837	-	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Cost		-	-	-	0.837	1	0.837	-	-	-	-	-	-	-	-	-	-	-	-					
Secondary Distribution							FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total					
AF		Quantity					1			-			-			-			-					
		Total Obligation Authority					0.837			-			-			-			-					
Total: Secondary Distribution		Quantity					1			-			-			-			-					
		Total Obligation Authority					0.837			-			-			-			-					

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Exhibit P-5, Cost Analysis: PB 2016 Air Force											Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3						P-1 Line Item Number / Title: 833010 / Air Traffic Control & Landing Sys						Item Number / Title [DODIC]: - / FB NAVAIDs FOS TACAN						
ID Code (A=Service Ready, B=Not Service Ready) :								MDAP/MAIS Code:										
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity <i>(Units in Each)</i>				-		-		20		20		-		20				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				-		8.050		20.402		17.109		-		17.109				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P1) <i>(\$ in Millions)</i>				-		8.050		20.402		17.109		-		17.109				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				-		8.050		20.402		17.109		-		17.109				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		0.989		3.172		0.961		-		0.961				
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>				-		-		1.020		0.855		-		0.855				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - FB NAVAIDs FOS TACAN Replacement Cost																		
Recurring Cost																		
FB NAVAIDs FOS TACAN ^(†)	-	-	-	-	-	-	0.381	20	7.620	0.388	20	7.760	-	-	-	0.388	20	7.760
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	7.620	-	-	7.760	-	-	-	-	-	7.760
Subtotal: Hardware - FB NAVAIDs FOS TACAN Replacement Cost	-	-	-	-	-	-	-	-	7.620	-	-	7.760	-	-	-	-	-	7.760
Support - FB NAVAIDs FOS TACAN Replacement Cost																		
Tech Order Digitization	-	-	-	-	-	-	-	-	-	2.744	1	2.744	-	-	-	2.744	1	2.744
Interim Contractor Support	-	-	-	-	-	-	0.400	1	0.400	-	-	-	-	-	-	-	-	-
Depot Activation	-	-	-	4.790	1	4.790	6.610	1	6.610	-	-	4.146	-	-	-	-	-	4.146
Universal Remote Control Status System	-	-	-	2.687	1	2.687	3.357	1	3.357	-	-	-	-	-	-	-	-	-
Direct Mission Support	-	-	-	-	-	-	1.143	1	1.143	1.164	1	1.164	-	-	-	1.164	1	1.164
ATCALs PMA AFLCMC (Tinker AFB) Contractor Services	-	-	-	0.403	1	0.403	0.822	1	0.822	0.835	1	0.835	-	-	-	0.835	1	0.835
ATCALs PMA AFLCMC (Tinker AFB) Other Government Costs	-	-	-	0.170	1	0.170	0.200	1	0.200	0.205	1	0.205	-	-	-	0.205	1	0.205
Installation Travel	-	-	-	-	-	-	0.250	1	0.250	0.255	1	0.255	-	-	-	0.255	1	0.255

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Exhibit P-5, Cost Analysis: PB 2016 Air Force										Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3					P-1 Line Item Number / Title: 833010 / Air Traffic Control & Landing Sys					Item Number / Title [DODIC]: - / FB NAVAIDS FOS TACAN							

ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:							
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support - FB NAVAIDS FOS TACAN Replacement Cost</i>	-	-	-	-	-	8.050	-	-	12.782	-	-	9.349	-	-	-	-	-	9.349
Gross/Weapon System Cost	-	-	-	-	-	8.050	1.020	20	20.402	0.855	20	17.109	-	-	-	0.855	20	17.109

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
AF	Quantity	-	11	15	-	15
	Total Obligation Authority	8.050	16.973	15.169	-	15.169
AFNG	Quantity	-	5	4	-	4
	Total Obligation Authority	-	1.905	1.552	-	1.552
AFR	Quantity	-	4	1	-	1
	Total Obligation Authority	-	1.524	0.388	-	0.388
Total: Secondary Distribution	Quantity	-	20	20	-	20
	Total Obligation Authority	8.050	20.402	17.109	-	17.109

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3				P-1 Line Item Number / Title: 833010 / Air Traffic Control & Landing Sys					Item Number / Title [DODIC]: - / FB NAVAIDs FOS TACAN			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
FB NAVAIDs FOS TACAN		2015	Thales / Overland Park, Kansas	C / FFP	AFLCMC Tinker AFB	Feb 2015	Jul 2015	20	0.381	Y		
FB NAVAIDs FOS TACAN		2016	Thales / Overland Park, Kansas	C / FFP	AFLCMC Tinker AFB	Feb 2016	Apr 2016	20	0.388	Y		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force											Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3						P-1 Line Item Number / Title: 833010 / Air Traffic Control & Landing Sys						Item Number / Title [DODIC]: - / FB NAVAIDs FOS VORTAC							
ID Code (A=Service Ready, B=Not Service Ready) :								MDAP/MAIS Code:											
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total					
Procurement Quantity (Units in Each)				-		-		6		7		-		7					
Gross/Weapon System Cost (\$ in Millions)				-		-		3.408		4.046		-		4.046					
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-					
Net Procurement (P1) (\$ in Millions)				-		-		3.408		4.046		-		4.046					
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-					
Total Obligation Authority (\$ in Millions)				-		-		3.408		4.046		-		4.046					
(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 (\$ in Millions)				-		-		0.568		0.578		-		0.578					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																			
Cost Elements		Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - FB NAVAIDs FOS VORTAC Replacement Cost																			
Recurring Cost																			
FB NAVAIDs FOS VORTAC ^(†)		-	-	-	-	-	-	0.568	6	3.408	0.578	7	4.046	-	-	-	0.578	7	4.046
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	3.408	-	-	4.046	-	-	-	-	-	4.046
Subtotal: Hardware - FB NAVAIDs FOS VORTAC Replacement Cost		-	-	-	-	-	-	-	-	3.408	-	-	4.046	-	-	-	-	-	4.046
Gross/Weapon System Cost		-	-	-	-	-	-	0.568	6	3.408	0.578	7	4.046	-	-	-	0.578	7	4.046
Secondary Distribution																			
AF				Quantity				-		6		7		-		7			
				Total Obligation Authority				-		3.408		4.046		-		4.046			
Total: Secondary Distribution				Quantity				-		6		7		-		7			
				Total Obligation Authority				-		3.408		4.046		-		4.046			
^(†) indicates the presence of a P-5a																			

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3				P-1 Line Item Number / Title: 833010 / Air Traffic Control & Landing Sys					Item Number / Title [DODIC]: - / FB NAVAIDs FOS VORTAC			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
FB NAVAIDs FOS VORTAC		2015	Thales / Overland Park, Kansas	C / FFP	AFLCMC Tinker AFB	Feb 2015	Jul 2015	6	0.568	Y		
FB NAVAIDs FOS VORTAC		2016	Thales / Overland Park, Kansas	C / FFP	AFLCMC Tinker AFB	Feb 2016	Apr 2016	7	0.578	Y		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs							P-1 Line Item Number / Title: 833020 / National Airspace System					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements: 0305114F				
Line Item MDAP/MAIS Code: 537			Item MDAP/MAIS Code(s):									
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	743.272	11.652	6.291	5.833	-	5.833	2.695	2.742	2.790	2.840	-	778.115
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	743.272	11.652	6.291	5.833	-	5.833	2.695	2.742	2.790	2.840	-	778.115
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	743.272	11.652	6.291	5.833	-	5.833	2.695	2.742	2.790	2.840	-	778.115
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:
 Funding for this exhibit is contained in PE 0305137F and PE 0305114F

PE 0305137F NATIONAL AIRSPACE SYSTEM (NAS)

NAS is an ACAT IC program. It modernizes the Department of Defense (DoD) Air Traffic Control (ATC) system in concert with the Federal Aviation Administration (FAA) modernization effort. The FAA is the overall NAS program lead and the Air Force (AF) is the DoD lead. NAS increases safety of flight, provides systems and facilities interoperable with FAA modernization, replaces aging DoD ATC systems, provides identical service to military and civilian aircraft, and reduces DoD flight cancellations/delays and maintenance. Equipment procured includes ATC automation systems, surveillance radars, voice switches, military site-unique equipment (at test range facilities), associated Pre-Planned Product Improvements (P3I), site preparation, installation support, ancillary equipment and supplies, direct production support, flight, periodic security interoperability, and information technology certifications. For the AF this includes procurement funding for 91 DoD Advanced Automation Systems (DAAS) [45 Radar Approach Control Facilities and 46 Air Traffic Control Towers], other equipment required to interface with the FAA and 48 Digital Airport Surveillance Radars (DASR). The NAS program entered full rate production 15 Jun 05.

The NAS modernization program will complete equipment procurement and installation in FY17 and enter the operations and support phase. As initial installations began in 1998, this effort will focus on mitigation of diminishing manufacturing source (DMS) and sustainment issues

In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities. Reserve component allocations are subject to Total Force priorities and demand.

PE 0305114F AIR TRAFFIC CONTROL AND LANDING SYSTEMS (ATCALs)

ATCALs procures and supports fixed-base and tactical radar, navigation aids, voice communications, and data processing/automation capabilities. ATCALs enables United States Air Force (USAF) air traffic controllers to provide advisory, sequencing, separation, and landing guidance services to all aircraft in USAF-assigned airspace. ATCALs support under PE 0305114F for the NAS is focused on mitigation of DMS issues for the DAAS program.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs						P-1 Line Item Number / Title: 833020 / National Airspace System				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0305114F				
Line Item MDAP/MAIS Code: 537		Item MDAP/MAIS Code(s):								
<p>In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities. Reserve component allocations are subject to Total Force priorities and demand.</p> <p>Note: DMS mitigation funding was not part of the NAS Acquisition Category ACAT IC program baseline and therefore, is not included in System Acquisition Report unit cost calculations or the P-21 Production Schedule.</p>										
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	11.652	6.291	5.833	-	5.833	2.695	2.742	2.790	2.840
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	11.652	6.291	5.833	-	5.833	2.695	2.742	2.790	2.840

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs				P-1 Line Item Number / Title: 833020 / National Airspace System				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0305114F		
Line Item MDAP/MAIS Code: 537		Item MDAP/MAIS Code(s):						
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Processors ⁽¹⁾	P-40a	A	780 / 6.744	254 / 2.277	221 / 2.141	- / -	- / -	- / -
Displays ⁽²⁾	P-40a	A	120 / 5.202	46 / 2.104	43 / 1.973	- / -	- / -	- / -
ATCALs/NAS Equip ⁽³⁾	P-40a	A	- / 0.000	- / -	- / -	1 / 3.628	- / -	1 / 3.628
National Airspace System (NAS) Plan	P-5, P-5a, P-21		139 / 731.326	- / 7.271	- / 2.177	- / 2.205	- / -	- / 2.205
Total Gross/Weapon System Cost			- / 743.272	- / 11.652	- / 6.291	- / 5.833	- / -	- / 5.833
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Processors ⁽¹⁾	P-40a	A	- / -	- / -	- / -	- / -	- / -	1,255 / 11.162
Displays ⁽²⁾	P-40a	A	- / -	- / -	- / -	- / -	- / -	209 / 9.279
ATCALs/NAS Equip ⁽³⁾	P-40a	A	- / -	- / -	- / -	- / -	- / -	1 / 3.628
National Airspace System (NAS) Plan	P-5, P-5a, P-21		- / 2.695	- / 2.742	- / 2.790	- / 2.840	- / -	139 / 754.046
Total Gross/Weapon System Cost			- / 2.695	- / 2.742	- / 2.790	- / 2.840	- / -	- / 778.115
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:

PE 0305114F AIR TRAFFIC CONTROL AND LANDING SYSTEMS

ATCALs/NAS DAAS capital equipment replacement DMS and ATCALs/NAS equipment efforts include the following:

1. ATCALs/NAS DAAS CAPITAL EQUIPMENT REPLACEMENT PROCESSORS: No FY16 funding requested.
2. ATCALs/NAS DAAS CAPITAL EQUIPMENT REPLACEMENT DISPLAYS: No FY16 funding requested.
3. ATCALs/NAS EQUIPMENT: FY16 funds procure and install one DAAS to support the ATCALs/NAS fixed base and deployable software operational support facility.

PE 0305137F DOD ADVANCED AUTOMATION SYSTEM (DAAS) and DIGITAL AIRPORT SURVEILLANCE RADAR (DASR)

1. DOD ADVANCED AUTOMATION SYSTEM (DAAS): The DAAS is comprised of equipment tailored to support two types of ATC operations facilities: Radar Approach Control (RAPCON) and military control tower facilities. DAAS provides digital radar displays, consoles, automation hardware and software to replace systems approaching the end of their life cycle. DAAS replaces the current generation air traffic control automation system in DoD RAPCONs and dependent control towers. No FY16 funding requested.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		P-1 Line Item Number / Title: 833020 / National Airspace System
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0305114F
Line Item MDAP/MAIS Code: 537	Item MDAP/MAIS Code(s):	
<p>2. DIGITAL AIRPORT SURVEILLANCE RADAR (DASR): The DASR consists of two subsystems: a primary and a secondary surveillance radar. DASR provides aircraft position and other data to controller displays in the RAPCON and at select control tower locations. DASR replaces the current generation of DoD analog ATC surveillance radar. FY16 funds continue NAS program support and analysis to mitigate DMS issues.</p> <p>Footnotes:</p> <p>(1) Option to the Federal Aviation Administration Standard Terminal Automated Replacement System contract (also known as DAAS).</p> <p>(2) Option to the Federal Aviation Administration Standard Terminal Automated Replacement System contract (also known as DAAS).</p> <p>(3) Option to the Federal Aviation Administration Standard Terminal Automated Replacement System contract (also known as DAAS).</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3						P-1 Line Item Number / Title: 833020 / National Airspace System									Aggregated Items Title: Air Traffic Control, Approach, and Landing System (ATCALs)				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
NAS Capital Equipment Replacement																				
Processors ⁽¹⁾	A		0.009	780	6.744	0.009	254	2.277	0.010	221	2.141	-	-	-	-	-	-	-	-	
Secondary Distribution																				
AF				-	-		254	2.277		221	2.141		-	-		-	-		-	
AFNG				-	-		-	-		-	-		-	-		-	-		-	
AFR				-	-		-	-		-	-		-	-		-	-		-	
Displays ⁽²⁾	A		0.043	120	5.202	0.046	46	2.104	0.046	43	1.973	-	-	-	-	-	-	-	-	
Secondary Distribution																				
AF				-	-		46	2.104		43	1.973		-	-		-	-		-	
AFNG				-	-		-	-		-	-		-	-		-	-		-	
AFR				-	-		-	-		-	-		-	-		-	-		-	
ATCALs/NAS Equip ⁽³⁾	A		-	-	0.000	-	-	-	-	-	-	3.628	1	3.628	-	-	-	3.628	1	
Secondary Distribution																				
AF				-	-		-	-		-	-		1	3.628		-	-		1	
Subtotal: NAS Capital Equipment Replacement			-	-	11.946	-	-	4.381	-	-	4.114	-	-	3.628	-	-	-	-	-	
Total			-	-	11.946	-	-	4.381	-	-	4.114	-	-	3.628	-	-	-	-	-	

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
NAS Capital Equipment Replacement																				
Processors ⁽¹⁾	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.009	1,255	11.162
Secondary Distribution																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
AFNG				-	-		-	-		-	-		-	-		-	-		-	-
AFR				-	-		-	-		-	-		-	-		-	-		-	-
Displays ⁽²⁾	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.044	209	9.279
Secondary Distribution																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
AFNG				-	-		-	-		-	-		-	-		-	-		-	-
AFR				-	-		-	-		-	-		-	-		-	-		-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3							P-1 Line Item Number / Title: 833020 / National Airspace System								Aggregated Items Title: Air Traffic Control, Approach, and Landing System (ATCALs)					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
ATCALs/NAS Equip (3)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.628	1	3.628
Secondary Distribution																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
Subtotal: NAS Capital Equipment Replacement			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.069
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.069

Footnotes:

- (1) Option to the Federal Aviation Administration Standard Terminal Automated Replacement System contract (also known as DAAS).
- (2) Option to the Federal Aviation Administration Standard Terminal Automated Replacement System contract (also known as DAAS).
- (3) Option to the Federal Aviation Administration Standard Terminal Automated Replacement System contract (also known as DAAS).

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Exhibit P-5, Cost Analysis: PB 2016 Air Force										Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3					P-1 Line Item Number / Title: 833020 / National Airspace System					Item Number / Title [DODIC]: - / National Airspace System (NAS) Plan								
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:											
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total					
Procurement Quantity <i>(Units in Each)</i>		139	-	-	-	-	-	-	-	-	-	-	139					
Gross/Weapon System Cost <i>(\$ in Millions)</i>		731.326	7.271	2.177	2.205	-	2.205	2.695	2.742	2.790	2.840	-	754.046					
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P1) <i>(\$ in Millions)</i>		731.326	7.271	2.177	2.205	-	2.205	2.695	2.742	2.790	2.840	-	754.046					
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-					
Total Obligation Authority <i>(\$ in Millions)</i>		731.326	7.271	2.177	2.205	-	2.205	2.695	2.742	2.790	2.840	-	754.046					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>		5.261	-	-	-	-	-	-	-	-	-	-	5.425					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - NAS Cost																		
Recurring Cost																		
DAAS/DASR ^(†)	4.775	139	663.771	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	663.771	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - NAS Cost	-	-	663.771	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Logistics - Logistics End Item Cost																		
Recurring Cost																		
DASR Site Activation	-	-	42.725	-	-	3.612	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	42.725	-	-	3.612	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Logistics - Logistics End Item Cost	-	-	42.725	-	-	3.612	-	-	-	-	-	-	-	-	-	-	-	-
Support - Support End Item Cost																		
Program Management Administration Contractor Services	-	-	19.030	-	-	3.426	-	-	2.097	-	-	2.123	-	-	-	-	-	2.123
Program Management Administration Other Government Costs	-	-	5.800	-	-	0.233	-	-	0.080	-	-	0.082	-	-	-	-	-	0.082
Subtotal: Support - Support End Item Cost	-	-	24.830	-	-	3.659	-	-	2.177	-	-	2.205	-	-	-	-	-	2.205
Gross/Weapon System Cost	5.261	139	731.326	-	-	7.271	-	-	2.177	-	-	2.205	-	-	-	-	-	2.205

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3						P-1 Line Item Number / Title: 833020 / National Airspace System						Item Number / Title [DODIC]: - / National Airspace System (NAS) Plan					

ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - NAS Cost																		
Recurring Cost																		
DAAS/DASR ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.775	139	663.771
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	663.771
Subtotal: Hardware - NAS Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	663.771
Logistics - Logistics End Item Cost																		
Recurring Cost																		
DASR Site Activation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46.337
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46.337
Subtotal: Logistics - Logistics End Item Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46.337
Support - Support End Item Cost																		
Program Management Administration Contractor Services	-	-	2.610	-	-	2.648	-	-	2.691	-	-	2.739	-	-	-	-	-	37.364
Program Management Administration Other Government Costs	-	-	0.085	-	-	0.094	-	-	0.099	-	-	0.101	-	-	-	-	-	6.574
Subtotal: Support - Support End Item Cost	-	-	2.695	-	-	2.742	-	-	2.790	-	-	2.840	-	-	-	-	-	43.938
Gross/Weapon System Cost	-	-	2.695	-	-	2.742	-	-	2.790	-	-	2.840	-	-	-	5.425	139	754.046

Remarks:

(1) Last Air Force DASR procured in FY11 and last DAAS in FY13. DAAS and DASR site preparation activities commence upon option exercise. DAAS Installation and Check-Out (INCO) is completed approximately one year after option exercise. DASR INCO is completed approximately two years after option exercise.

(2) The funding decrease from FY14 to FY15 reflects reduced program scope as program nears completion and moves toward the sustainment and operations support phase.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.271	2.177	2.205	-	2.205	2.695	2.742	2.790	2.840
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.271	2.177	2.205	-	2.205	2.695	2.742	2.790	2.840

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3				P-1 Line Item Number / Title: 833020 / National Airspace System				Item Number / Title [DODIC]: - / National Airspace System (NAS) Plan				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
DAAS/DASR ^(†)		2013	Raytheon / Marlboro, MA	C / FFP	AFLCMC Hanscom AFB	Jan 2013	Feb 2014	9	0.936	Y		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Air Force																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3										P-1 Line Item Number / Title: 833020 / National Airspace System													Item Number / Title [DODIC]: - / National Airspace System (NAS) Plan									
Cost Elements (Units in Each)							Fiscal Year 2013													Fiscal Year 2014												
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013													Calendar Year 2014												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P	B A L
DAAS/DASR																																
Prior Years Deliveries: 130																																
	1	2013	AF		9	-	9				A	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	1	-	-	-	-	5
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Air Force																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3										P-1 Line Item Number / Title: 833020 / National Airspace System										Item Number / Title [DODIC]: - / National Airspace System (NAS) Plan												
Cost Elements (Units in Each)						Fiscal Year 2015												Fiscal Year 2016														
						Calendar Year 2015												Calendar Year 2016														
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
DAAS/DASR																																
Prior Years Deliveries: 130																																
	1	2013	AF		9	4	5	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Air Force																							Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3											P-1 Line Item Number / Title: 833020 / National Airspace System											Item Number / Title [DODIC]: - / National Airspace System (NAS) Plan																
Cost Elements (Units in Each)						Fiscal Year 2017													Fiscal Year 2018																			
						Calendar Year 2017													Calendar Year 2018																			
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							
DAAS/DASR																																						
Prior Years Deliveries: 130																																						
1	2013	AF		9	8	1	-	-	-	-	1																											-
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							

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Exhibit P-21, Production Schedule: PB 2016 Air Force									Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3					P-1 Line Item Number / Title: 833020 / National Airspace System				Item Number / Title [DODIC]: - / National Airspace System (NAS) Plan												
		Production Rates (Each / Month)			Procurement Leadtime (Months)																
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder												
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1									
1	Raytheon - Marlboro, MA	-	-	-	-	-	-	-	-	-	-	-									
<p>Remarks: DAAS AF Reserve (AFR) and Air National Guard (ANG) deliveries:</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Qty</td> <td style="width:10%;">FY14</td> <td style="width:10%;">FY15-FY20</td> </tr> <tr> <td>AFR</td> <td align="center">0</td> <td align="center">0</td> </tr> <tr> <td>ANG</td> <td align="center">2</td> <td align="center">0</td> </tr> </table> <p>"A" in the Delivery Schedule indicates the Contract Award Date. Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).</p>													Qty	FY14	FY15-FY20	AFR	0	0	ANG	2	0
Qty	FY14	FY15-FY20																			
AFR	0	0																			
ANG	2	0																			

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs							P-1 Line Item Number / Title: 833030 / Battle Control System - Fixed					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0102326F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	14.412	2.704	1.687	-	1.687	6.407	4.006	4.078	4.150	-	37.444
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	14.412	2.704	1.687	-	1.687	6.407	4.006	4.078	4.150	-	37.444
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	14.412	2.704	1.687	-	1.687	6.407	4.006	4.078	4.150	-	37.444
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description: BCS-F supports the NORAD/NORTHCOM homeland defense and air sovereignty mission for fixed Air Defense Sectors.</p> <p>1. BATTLE CONTROL SYSTEM-FIXED (BCS-F): BCS-F is a bi-national program with Canada. The BCS-F Program supports a next-generation battle management command and control system with enhanced capability to integrate data from existing and future civil and military defense surveillance systems into a comprehensive recognized air picture. BCS-F systems serve as Air Force Homeland Defense battle management C2 hubs and integrators for data from radar sensors, data links and supporting communications architecture. BCS-F provides tactical communications and data link capabilities with other military and civil systems responsible for planning, directing, coordinating and controlling forces for air surveillance, air defense, and control of sovereign US air space. This integrated air picture enhances the North American Aerospace Defense/Combatant Commander (NORAD/CC) capability to conduct peacetime air sovereignty operations and transition to active air defense operations in the event of aggression toward the North American Continent. BCS-F Increment 3 program ended after reaching full deployment in November 2012.</p> <p>2. NATIONAL CAPITAL REGION - INTEGRATED AIR DEFENSE SYSTEM (NCR-IADS): NCR-IADS provides ground-based air defense of the National Capital Region airspace, and provides an integrated air picture, ground air defense weapons, enhanced regional situational awareness and forensic data collection capabilities for the warfighter mission to protect the NCR and its assets.</p> <p>3. BATTLE CONTROL SYSTEM MODERNIZATION UPGRADES: Provides for capital equipment replacement activities at the Region Air Operations Center-Air Defense Sector (RAOC-ADS) under the Modernization Upgrade effort for Release 3.2.3 and beyond, which include, but are not limited to, Tactical Data Link Interface Device (TDLID) replacement, Automatic Dependent Surveillance - Broadcast(ADS-B), Battle Control Center (BCC) Expansion, Mode 5/Mode S, Distributed Mission Operations (DMO) BCS System Integration, Sensor Integration I Processing, Computer Network Defense Service Provider (CNDSP), Coalition Warfare Program (CWP), infrastructure upgrades and future DMS replacement of other equipment and technical studies.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs					P-1 Line Item Number / Title: 833030 / Battle Control System - Fixed			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0102326F		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Battle Control System - Fixed	P-5, P-5a		- / -	- / 14.412	- / 2.704	- / 1.687	- / -	- / 1.687
Total Gross/Weapon System Cost			- / -	- / 14.412	- / 2.704	- / 1.687	- / -	- / 1.687
<p>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</p>								
<p>Justification: Justification: 1. BCS-F a. BCS-F INC 3 UPGRADES: No FY16 funds requested.</p> <p>2. NCR-IADS a. NCR-IADS EVOLUTIONARY UPGRADES: FY16 will provide information assurance risk mitigation, hardware, software integration, test, and spares for critical C2 equipment in the NCR-IADS command suite in order to maintain 24/7 operations. b. PROGRAM MANAGEMENT ADMINISTRATION (PMA) FY16 funds for program management administration costs provide the management, engineering and technical support for the program office.</p> <p>3. BATTLE CONTROL SYSTEM MODERNIZATION UPGRADES: a. BCS EVOLUTIONARY UPGRADES: FY16 funding provides for capital equipment replacement activities which include, but are not limited to, operational replacement of legacy battle management Region Air Operations Center-Air Defense Sector (RAOC-ADS) battle management software and hardware, TDLID replacement, Distributed Mission Operations (DMO), Computer Network Defense Service Provider (CNDSP), Coalition Warfare Program (CWP), ADS-B, BCC expansion, Mode 5/Mode S, BCS System Integration, infrastructure upgrades and future DMS replacement of other equipment. b. PROGRAM MANAGEMENT ADMINISTRATION (PMA) FY16 funds for program management administration costs provide the management, engineering and technical support for the program office.</p>								

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Exhibit P-5, Cost Analysis: PB 2016 Air Force											Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3						P-1 Line Item Number / Title: 833030 / Battle Control System - Fixed						Item Number / Title [DODIC]: - / Battle Control System - Fixed						
ID Code (A=Service Ready, B=Not Service Ready) :								MDAP/MAIS Code:										
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity <i>(Units in Each)</i>				-		-		-		-		-		-				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				-		14.412		2.704		1.687		-		1.687				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P1) <i>(\$ in Millions)</i>				-		14.412		2.704		1.687		-		1.687				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				-		14.412		2.704		1.687		-		1.687				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		
BCS M/S Recurring ^(†)	-	-	-	0.389	24	9.328	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	9.328	-	-	-	-	-	-	-	-	-	-	-	-
Non Recurring Cost																		
BCS M/S Non-Recurring	-	-	-	-	-	-	-	-	0.736	-	-	1.066	-	-	-	-	-	1.066
NCR-IADS Non-Recurring	-	-	-	-	-	2.869	-	-	0.776	-	-	0.100	-	-	-	-	-	0.100
Subtotal: Non Recurring Cost	-	-	-	-	-	2.869	-	-	1.512	-	-	1.166	-	-	-	-	-	1.166
Subtotal: Hardware - Hardware End Item Cost	-	-	-	-	-	12.197	-	-	1.512	-	-	1.166	-	-	-	-	-	1.166
Support - Support End Item Cost																		
PMA	-	-	-	-	-	2.215	-	-	1.192	-	-	0.521	-	-	-	-	-	0.521
Subtotal: Support - Support End Item Cost	-	-	-	-	-	2.215	-	-	1.192	-	-	0.521	-	-	-	-	-	0.521
Gross/Weapon System Cost	-	-	-	-	-	14.412	-	-	2.704	-	-	1.687	-	-	-	-	-	1.687
(†) indicates the presence of a P-5a																		

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3				P-1 Line Item Number / Title: 833030 / Battle Control System - Fixed				Item Number / Title [DODIC]: - / Battle Control System - Fixed				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
BCS M/S Recurring		2014	TBD / TBD	TBD	Hanscom AFB	May 2015	May 2016	24	0.389	N	Apr 2015	

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs							P-1 Line Item Number / Title: 833040 / Theater Air Control Sys Improvements					
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items: 0207412F					Other Related Program Elements: 0207412F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	4.561	50.033	22.710	-	22.710	28.340	7.722	12.228	2.893	-	128.487
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	4.561	50.033	22.710	-	22.710	28.340	7.722	12.228	2.893	-	128.487
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	4.561	50.033	22.710	-	22.710	28.340	7.722	12.228	2.893	-	128.487
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description: PE 0207412F CONTROL AND REPORTING CENTER (CRC)</p> <p>The Control and Reporting Center (CRC) program element provides for integration of new capabilities, upgrades, and modifications. Funding may be used to address Diminishing Manufacturing Sources (DMS) issues. The CRC is a mobile, ground-based theater air control system (TACS) surveillance and battle management command and control (BMC2) element. It consists of facilities, equipment, and people. It is a customizable, modular, transportable, and persistent weapon system employed at the tactical level to support air and surface operations. These efforts include, but are not limited to, the modification of the AN/TRC-23A Operations Module (OM), the AN/TRC-215 Remote Radio Secure Voice System (RRSVS) and the Joint Tactical Information Distribution System (JTIDS) Module Link 16 Terminal.</p> <p>AN/TRC-23A OM is a low density/high demand (LD/HD), rapidly deployable, ground-based C2 asset. This automated, computer-based information system provides operators the real-time battlespace picture necessary to plan, direct, and control tactical air operations and airspace management tasks. In order to meet warfighter requirements, incremental updates are required. For example, these improvements will add Secret Internet Protocol Router Network (SIPRnet), Mode 5 integration, improved data links, and Multiple Source Correlator Tracker upgrades. Modifications will also be required to integrate it with the Three Dimensional Expeditionary Long Range Radar (3DELRR). AN/TRC-215 RRSVS is a voice radio and OM-interface unit. The RRSVS allows real-time, secure voice communications between aircraft in development and battle management C2 operators in the CRC. Everything over Internet Protocol (EoIP), which is used for external communications, will also be integrated into a future RRSVS upgrade. JTIDS Link 16 Terminal Replacement will provide for crypto modernization and will meet FAA mandated frequency re-mapping requirements.</p> <p>Funding for this exhibit contained in PE 0207412F.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs				P-1 Line Item Number / Title: 833040 / Theater Air Control Sys Improvements				
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items: 0207412F			Other Related Program Elements: 0207412F		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
THEATER AIR CONTROL SYS IMPROVEMEN	P-5		- / -	- / 4.561	- / 50.033	- / 22.710	- / -	- / 22.710
Total Gross/Weapon System Cost			- / -	- / 4.561	- / 50.033	- / 22.710	- / -	- / 22.710
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:
PE 0207412F CONTROL AND REPORTING CENTER (CRC)

FY16 funding supports:

a. OPERATIONS MODULE MODERNIZATION (OM Mod). Upgrades include, but are not limited to the following: replacing legacy computer and software with a Commercial Off-the-Shelf (COTS)-based architecture, increasing system capacities as outlined in the OM Mod Functional Capabilities Document (FCD), and integrating it with external operator workstations. OM Mod (AN/TRC-23A) will have the ability to assign, monitor, and/or simultaneously transmit on multiple remote secure radios.

b. REMOTE RADIO SECURE VOICE SYSTEM 3.2 (RRSVS 3.2). This AN/TRC-213 Interface Unit (IU) modification improves combat capability and system sustainment. It provides CRC operations secure communications channels. RRSVS 3.2 incorporates a Joint Interoperability Test Center-assessed communications switch, digital audio recorder and port operator communication interface capability directly to the mission crew area; mitigates Information Assurance (IA) and cross domain issues resident in the legacy OM (AN/TYQ-23) Communications Interface Unit (CIU).

c. SUPPORT: Includes efforts, but not limited to, Interim Contractor Support (ICS), Direct Mission Support (DMS) and Program Management Administration (PMA) activities in support of CRC.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force											Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3						P-1 Line Item Number / Title: 833040 / Theater Air Control Sys Improvements						Item Number / Title [DODIC]: - / THEATER AIR CONTROL SYS IMPROVEMEN						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity (Units in Each)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				-		4.561		50.033		22.710		-		22.710				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				-		4.561		50.033		22.710		-		22.710				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				-		4.561		50.033		22.710		-		22.710				
(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 (\$ in Millions)				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		
AN/TRC-23A OM Mod - GUARD	-	-	-	-	-	-	3.193	7	22.350	4.806	3	14.417	-	-	-	4.806	3	14.417
AN/TRC-23A OM Mod - AD	-	-	-	-	-	-	3.193	2	6.386	-	-	-	-	-	-	-	-	-
AN/TRC-215 RRSVS 3.2 - GUARD	-	-	-	-	-	-	2.283	3	6.849	-	-	-	-	-	-	-	-	-
AN/TRC-215 RRSVS 3.2 - AD	-	-	-	-	-	-	2.283	2	4.566	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	40.150	-	-	14.417	-	-	-	-	-	14.417
Subtotal: Hardware - Hardware End Item Cost	-	-	-	-	-	-	-	-	40.150	-	-	14.417	-	-	-	-	-	14.417
Support - Support End Item Cost																		
ICS Labor OM	-	-	-	-	-	-	-	-	1.120	-	-	1.751	-	-	-	-	-	1.751
PMA- Contractor Services OM	-	-	-	-	-	-	-	-	2.800	-	-	1.700	-	-	-	-	-	1.700
ICS Labor CRC	-	-	-	-	-	0.100	-	-	3.282	-	-	1.925	-	-	-	-	-	1.925
PMA- Contractor Services CRC	-	-	-	-	-	2.325	-	-	1.063	-	-	1.269	-	-	-	-	-	1.269
Direct Mission Support	-	-	-	-	-	2.136	-	-	1.618	-	-	1.648	-	-	-	-	-	1.648
Subtotal: Support - Support End Item Cost	-	-	-	-	-	4.561	-	-	9.883	-	-	8.293	-	-	-	-	-	8.293

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3						P-1 Line Item Number / Title: 833040 / Theater Air Control Sys Improvements						Item Number / Title [DODIC]: - / THEATER AIR CONTROL SYS IMPROVEMEN						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Gross/Weapon System Cost	-	-	-	-	-	4.561	-	-	50.033	-	-	22.710	-	-	-	-	-	22.710
Remarks: Only 3 kits will be procured in FY16. Therefore, hardware costs remain the same but the fixed costs are distributed across 3 kits instead of 9 kits in FY15. Licensing costs also increase in FY16 due to additional kits being fielded.																		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs							P-1 Line Item Number / Title: 833070 / Weather Observation Forecast					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0305111F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	16.171	16.309	21.561	-	21.561	20.759	23.902	21.524	21.905	-	142.131
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	16.171	16.309	21.561	-	21.561	20.759	23.902	21.524	21.905	-	142.131
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	16.171	16.309	21.561	-	21.561	20.759	23.902	21.524	21.905	-	142.131
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	1.150	1.650	0.278	-	0.278	-	-	-	-	-	3.078
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:
PE 0305111F WEATHER SERVICE

The Weather Observation Forecast procurement line acquires meteorological equipment and ground-based space environment sensing systems supporting the global missions of the Air Force (AF), Army, Special Operations Forces (SOF), combatant commands, and other government agencies. Additionally, these funds procure information system equipment for processing, storing, and disseminating weather information for analysis, forecasting, and mission integration at the strategic, operational, and tactical levels. Fixed and transportable equipment provides observing and forecasting capabilities for home station and deployed locations in support of worldwide Air and Space Expeditionary Forces and Army forces. Weather system technological upgrades provide critical support to modern air and space combat operations. These systems enhance the effectiveness and survivability of AF weapon systems and precision munitions by accurately predicting environmental impacts to optimize mission execution and planning, targeting, weaponizing, and battle damage assessment, as well as space systems operations and effectiveness. Program Management Administration costs include Federally Funded Research and Development Centers and Advisory and Assistance Services.

AF Weather Weapon System (AFWWS) activities align under four capabilities areas: 1) Weather Data Collection, 2) Weather Data Analysis and Dissemination, 3) Weather Forecasting, and 4) Product Tailoring/ Warfighter Applications. This alignment ensures an integrated and systems-oriented approach to program management decisions. Development funding for Weather Observation/Forecast is in Program Element (PE) 0305111F, Weather Service.

1. Weather Data Collection: Provides automated atmospheric (a.k.a. terrestrial) and space environmental sensing capabilities at fixed and deployed locations worldwide. The data gathered by multiple sensor systems is exploited for environmental battlespace awareness, characterization, safety of flight, and resource protection. Items A-C (below) were formerly consolidated as "Observing System 21st Century (OS-21)."

A. AN/TMQ-53: Tactical automated weather observing system that collects weather elements and formulates aviation surface weather reports.

B. AN/FMQ-23: Fixed automated weather observing system that collects weather elements and formulates aviation surface weather reports.

C. Remote Weather Sensor: Micro weather sensor that provides all-weather, unattended, low profile, environmental reconnaissance and reporting.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		P-1 Line Item Number / Title: 833070 / Weather Observation Forecast
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0305111F
<p>D. Next Generation Ionosonde (NEXION): Commercial off-the-shelf (COTS) vertical incidence radar that obtains measurements of the ionosphere from directly overhead in the medium and high frequency radio bands.</p> <p>E. Portable Doppler Radar (PDR): Transportable doppler weather radar system that automatically sends precipitation and wind products to weather units via file transfer protocol.</p> <p>2. Weather Data Analysis and Dissemination: Assimilates worldwide sources of atmospheric and space weather data, produces decision-quality information for warfighters, and disseminates those products to intermediate and end users via a net-centric interface ensuring data integrity and continuity of service. Weather data formats and transmission protocols support DoD's Data Services Environment and Meteorological and Oceanographic Community of Interest objectives for integration into warfighter command and control, mission planning, and modeling and simulation systems. Improved analysis of real-time weather information supports DoD's role in transformation of the National Airspace System through the Next Generation Air Transportation System and enhances Air Force energy security plans.</p> <p>A. Weather Data Analysis (WDA)--Provides atmospheric and space data analysis capabilities within the AF Weather production center to generate products required by AF and Army operational units worldwide. Additionally, WDA provides data storage and network infrastructure supporting production, development, and testing activities and transport of data among multiple nodes and classification levels.</p> <p>3. Weather Forecasting: Provides numerical weather prediction, cloud, space environment, and atmospheric constituent (e.g., aerosols) forecast models and other environmental forecast products for worldwide AF, Army, SOF, space, and national intelligence community operational support. Uses high-performance computer servers and high-capacity storage for atmospheric and space weather modeling and worldwide environmental forecast products within DoD Data Center 14866.</p> <p>A. Numerical Weather Modeling (NWM)--Provides atmospheric and space weather modeling and worldwide environmental forecast products supporting military and intelligence operations worldwide.</p> <p>B. Weather Services - Live, Virtual, and Constructive (WS-LVC)--Provides Air and Space Natural Environment representative, tailored weather scenarios supporting DoD Modeling and Simulation users for Air Force, joint, and coalition training and rehearsal.</p> <p>4. Product Tailoring/Warfighter Applications: Provides timely, local and regional target-scale weather information to operational commanders within a given Area of Responsibility and at tactical levels provides front-line weather information to warfighters in support of combat operations. Supports the 'train as you fight' concept by assuring fixed and deployable systems have a similar performance parameters and user interfaces.</p> <p>A. Joint Environmental Toolkit (JET)--Provides a standard AF Weather forecaster toolkit to ingest weather data and deliver timely, tailorable, precise weather impacts to the warfighter.</p> <p>Funding for this exhibit is contained in PE 0305111F</p> <p>FY2014 funding totals include \$1.800 appropriated for Overseas Contingency Operations.</p> <p>The FY2016 funding request was reduced by \$6.596 million to account for the availability of prior year execution balances.</p> <p>Funding may be used to address Diminishing Manufacturing Sources (DMS) issues.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs					P-1 Line Item Number / Title: 833070 / Weather Observation Forecast			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0305111F		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Weather Observation Forecast	P-5		- / -	- / 16.171	- / 16.309	- / 21.561	- / -	- / 21.561
Total Gross/Weapon System Cost			- / -	- / 16.171	- / 16.309	- / 21.561	- / -	- / 21.561
<p>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</p>								
<p>Justification: PE 0305111F WEATHER SERVICE</p> <p>1. Weather Data Collection:</p> <p>A. AN/FMQ-23: 9 fixed units are being acquired in FY16.</p> <p>B. Remote Weather Sensor: NO Funding in FY16.</p> <p>C. Next Generation Ionosonde (NEXION): Three NEXION systems will be acquired in FY16.</p> <p>D. Portable Doppler Radar (PDR): No FY16 funding requested.</p> <p>E. Upper Air Sounder--AF Special Operations Command: No FY16 funding requested.</p> <p>F. Laser Range Finder--AF Special Operations Command: No FY16 funding requested.</p> <p>2. Weather Data Analysis and Dissemination:</p> <p>A. WDA: FY16 funding will procure computer hardware and associated integration software within DoD Data Centers 14866 and 17036 for database expansion and net-centric delivery of weather data to weather, command and control, and other forces. Additionally, replacement of information system infrastructure will support integration of data from new environmental sensing satellites. ESS and ACN funding in FY16 procure COTS computer storage and network hardware and associated equipment to replace technologically obsolete existing equipment for DoD Data Centers 14866 and 17036.</p> <p>3. Weather Forecasting:</p> <p>A. NWM: FY16 funding will procure computer servers, processors, and high-capacity storage to support advanced scientific numerical weather modeling, and provides a robust infrastructure to enable exploitation of environmental data records from DoD and leveraged satellite sources and improve worldwide forecast capability.</p> <p>4. Product Tailoring/Warfighter Applications:</p> <p>A. JET: FY16 funding will procure integrated computer hardware and software suites and associated systems interfaces for operational weather support (from DoD Data Centers 14861, 17037, 17038, and 14866) at fixed and deployed AF, Army, and SOF locations in the continental United States and overseas.</p>								

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Exhibit P-5, Cost Analysis: PB 2016 Air Force											Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3						P-1 Line Item Number / Title: 833070 / Weather Observation Forecast						Item Number / Title [DODIC]: - / Weather Observation Forecast						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity (Units in Each)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				-		16.171		16.309		21.561		-		21.561				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				-		16.171		16.309		21.561		-		21.561				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				-		16.171		16.309		21.561		-		21.561				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)				-		1.150		1.650		0.278		-		0.278				
Gross/Weapon System Unit Cost (\$ in Millions)				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		
FMQ-23	-	-	-	0.250	4	1.000	0.250	12	3.000	0.250	9	2.250	-	-	-	0.250	9	2.250
REMOTE	-	-	-	0.010	50	0.500	0.010	44	0.440	-	-	-	-	-	-	-	-	-
NEXION	-	-	-	0.275	3	0.825	0.275	3	0.825	0.285	3	0.855	-	-	-	0.285	3	0.855
UPPER AIR SOUNDER -- AF SPECIAL OPERATIONS COMMAND	-	-	-	0.288	3	0.864	-	-	-	-	-	-	-	-	-	-	-	-
LASER RANGE FINDER -- AF SPECIAL OPERATIONS COMMAND	-	-	-	0.022	18	0.396	-	-	-	-	-	-	-	-	-	-	-	-
WDA	-	-	-	1.114	1	1.114	0.865	1	0.865	11.148	1	11.148	-	-	-	11.148	1	11.148
NWM	-	-	-	1.795	1	1.795	0.263	1	0.263	1.653	1	1.653	-	-	-	1.653	1	1.653
JET	-	-	-	2.855	1	2.855	2.751	1	2.751	0.889	1	0.889	-	-	-	0.889	1	0.889
ESS	-	-	-	1.300	1	1.300	2.540	1	2.540	-	-	-	-	-	-	-	-	-
ACN	-	-	-	0.975	1	0.975	0.866	1	0.866	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	11.624	-	-	11.550	-	-	16.795	-	-	-	-	-	16.795
Subtotal: Hardware - Hardware End Item Cost	-	-	-	-	-	11.624	-	-	11.550	-	-	16.795	-	-	-	-	-	16.795
Support - Support End Item Cost																		
TESTING FMQ-23	-	-	-	-	-	0.066	-	-	-	-	-	0.055	-	-	-	-	-	0.055

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3							P-1 Line Item Number / Title: 833070 / Weather Observation Forecast						Item Number / Title [DODIC]: - / Weather Observation Forecast					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
INTERIM CONTRACTOR SUPPORT LABOR FMQ-23	-	-	-	-	-	0.049	-	-	0.100	-	-	0.081	-	-	-	-	-	0.081
PROGRAM MANAGEMENT ADMINISTRATION CONTRACTOR SERVICES FMQ-23	-	-	-	-	-	0.843	-	-	0.634	-	-	0.964	-	-	-	-	-	0.964
PROGRAM MANAGEMENT ADMINISTRATION OTHER GOVERNMENT SERVICES FMQ-23	-	-	-	-	-	0.274	-	-	0.291	-	-	0.062	-	-	-	-	-	0.062
PROGRAM MANAGEMENT ADMINISTRATION CONTRACTOR SERVICES REMOTE	-	-	-	-	-	-	-	-	0.075	-	-	-	-	-	-	-	-	-
PROGRAM MANAGEMENT ADMINISTRATION OTHER GOVERNMENT SERVICES REMOTE	-	-	-	-	-	-	-	-	0.005	-	-	-	-	-	-	-	-	-
INSTALLATION NEXION	-	-	-	-	-	1.256	-	-	1.675	-	-	1.675	-	-	-	-	-	1.675
PROGRAM MANAGEMENT ADMINISTRATION CONTRACTOR SERVICES NEXION	-	-	-	-	-	0.369	-	-	0.425	-	-	0.425	-	-	-	-	-	0.425
PROGRAM MANAGEMENT ADMINISTRATION OTHER GOVERNMENTS SERVICES NEXION	-	-	-	-	-	0.050	-	-	0.045	-	-	0.045	-	-	-	-	-	0.045
PROGRAM MANAGEMENT ADMINISTRATION OTHER GOVERNMENT SERVICES UPPER AIR SOUNDER	-	-	-	-	-	0.340	-	-	-	-	-	-	-	-	-	-	-	-
PROGRAM MANAGEMENT ADMINISTRATION OTHER GOVERNMENT SERVICES LASER RANGE FINDER	-	-	-	-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3							P-1 Line Item Number / Title: 833070 / Weather Observation Forecast						Item Number / Title [DODIC]: - / Weather Observation Forecast					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
PROGRAM MANAGEMENT ADMINISTRATION CONTRACTOR SERVICES WDA	-	-	-	-	-	0.219	-	-	0.580	-	-	0.669	-	-	-	-	-	0.669
PROGRAM MANAGEMENT ADMINISTRATION OTHER GOVERNMENT SERVICES WDA	-	-	-	-	-	-	-	-	0.020	-	-	0.267	-	-	-	-	-	0.267
PROGRAM MANAGEMENT ADMINISTRATION CONTRACTOR SERVICES NWM	-	-	-	-	-	-	-	-	0.080	-	-	-	-	-	-	-	-	-
PROGRAM MANAGEMENT ADMINISTRATION OTHER GOVERNMENT SERVICES NWM	-	-	-	-	-	-	-	-	0.020	-	-	-	-	-	-	-	-	-
PROGRAM MANAGEMENT ADMINISTRATION CONTRACTOR SERVICES JET	-	-	-	-	-	0.671	-	-	0.557	-	-	0.161	-	-	-	-	-	0.161
PROGRAM MANAGEMENT ADMINISTRATION OTHER GOVERNMENT SERVICES JET	-	-	-	-	-	0.210	-	-	0.192	-	-	-	-	-	-	-	-	-
PROGRAM MANAGEMENT ADMINISTRATION OTHER GOVERNMENT SERVICES ESS	-	-	-	-	-	-	-	-	0.030	-	-	-	-	-	-	-	-	-
PROGRAM MANAGEMENT ADMINISTRATION OTHER GOVERNMENT SERVICES ACN	-	-	-	-	-	-	-	-	0.030	-	-	-	-	-	-	-	-	-
DIRECT MISSION SUPPORT CONTRACTOR SERVICES FMQ-23	-	-	-	-	-	-	-	-	-	-	-	0.341	-	-	-	-	-	0.341
DIRECT MISSION SUPPORT	-	-	-	-	-	-	-	-	-	-	-	0.021	-	-	-	-	-	0.021

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3						P-1 Line Item Number / Title: 833070 / Weather Observation Forecast						Item Number / Title [DODIC]: - / Weather Observation Forecast						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
CONTRACTOR SERVICES JET																		
Subtotal: Support - Support End Item Cost	-	-	-	-	-	4.547	-	-	4.759	-	-	4.766	-	-	-	-	-	4.766
Gross/Weapon System Cost	-	-	-	-	-	16.171	-	-	16.309	-	-	21.561	-	-	-	-	-	21.561

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs							P-1 Line Item Number / Title: 833140 / Strategic Command And Control					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	22.723	139.984	286.980	-	286.980	80.134	37.827	14.809	14.945	-	597.402
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	22.723	139.984	286.980	-	286.980	80.134	37.827	14.809	14.945	-	597.402
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	22.723	139.984	286.980	-	286.980	80.134	37.827	14.809	14.945	-	597.402
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>The Strategic Command and Control (C2) program procures mission critical communications and computer systems required to ensure the United States has the capability for effective C2 of the New Triad (nuclear, conventional, and missile defense). It procures hardware replacements/upgrades to maintain the only computer systems that produce the Nation's nuclear war plan and performs conventional/ contingency war planning. Also, the program supports life-cycle replacement of outdated and unreliable communications equipment in support of the B-2 program.</p> <p>PE 0101127F B-2 SQUADRONS</p> <p>B-2 SUPPORT: The B-2 weapon system relies heavily on C2 equipment to meet its operational capability. Funding is used to replace obsolete computer equipment, backbone infrastructure hardware and software, and long haul communications equipment at the Weapon System Support Center (WSSC) Ground Test Facility (GTF), and contractor software laboratories. This includes COTS items such as computers, displays, printers, disk and tape drives, software (e.g. computer-aided design (CAD) and analysis software) as well as engineering and logistical support. Funds also procure specialized computers that provide on-line access to B-2 aircraft data and low observable analysis capabilities. Unique B-2 security and communication infrastructure needs are also addressed.</p> <p>The B-2 Weapon System Support Center (WSSC) Ground Test Facility (GTF), located at Oklahoma Air Logistics Center, Tinker AFB, OK, supports two critical functions: aircraft software development and maintenance/support, plus systems engineering support for the fielded weapon system. Software maintenance fixes to aircraft systems include flight controls, flight management, navigation systems, weapons/ armament and the defensive management system. These software fixes are accomplished and tested with the use of the WSSC software development system and integration/test laboratory complex by analyzing and designing fixes to the existing aircraft software. The WSSC GTF also provides engineering support with specialized computer systems that provide online access to B-2 aircraft data. This data consists of items such as engineering and organic low observable analysis, manufacturing, aircraft design data used to help solve technical issues on the B-2. Locations where this data is used include Tinker AFB, Whiteman AFB, Wright-Patterson AFB, Northrop-Grumman in Palmdale, CA and forward operating locations (FOL).</p> <p>PE 0101313F - STRATEGIC WAR PLANNING SYSTEM - USSTRATCOM:</p> <p>INTEGRATED STRATEGIC PLANNING AND ANALYSIS NETWORK (ISPAN): The mission of USSTRATCOM is to conduct global operations in coordination with other Combatant Commands, Services, and appropriate U.S. Government agencies to deter and detect strategic attacks against the U.S. and its allies. It provides full-spectrum global strike, and coordinated space, missile defense, and information operations capabilities to meet both deterrent and decisive national security objectives. USSTRATCOM will also provide operational space support, integrated missile defense, global command, control,</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		P-1 Line Item Number / Title: 833140 / Strategic Command And Control
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>communications, computers, intelligence, surveillance, and reconnaissance (C4ISR), and specialized planning expertise to the joint warfighter. ISPAN enables USSTRATCOM to carry out these missions. It is one of the DoD's most complex, classified, computer-based, mission planning systems and the only national-level force planning system. The ISPAN system is comprised of two independent but complementary planning systems; the Mission Planning and Analysis System (MPAS) and the Global Adaptive Planning Collaborative Information Environment (GAP-CIE). MPAS is an automated information system to support Global Strike nuclear and conventional target development and weaponeering. It includes mission planning, analysis, decision support tools and an enterprise database to sustain and support nuclear and conventional strategic war planning. GAP CIE provides web-enabled adaptive planning, rapid distributed course of action development and global situational awareness supporting both contingency and crisis action planning. As a system of systems, ISPAN enables an effects-based approach to planning and operations, cross domain information sharing, while serving multiple planning environments.</p> <p>The ISPAN mission system infrastructure capabilities develop, verify, and produce Operational Plan 8010 and support the USSTRATCOM family of plans construct as well as current Concept of Operations. It performs tasks ranging from creating and running courses of action on threat scenarios to providing data for developing bomber aircraft strike mission data in digital and hard copy formats. The ISPAN planning system includes automated data processing equipment (ADPE), multiple networks, unique processes and procedures, software, training, associated deployable and distributed data processing nodes, a test/development environment, and subsidiary systems. The newly modernized system will migrate to the new USSTRATCOM Command and Control Facility.</p> <p>ISPAN uses funding to implement a four-year life cycle replacement plan to procure required Commercial Off-The-Shelf (COTS) hardware (e.g. servers, storage devices, workstations, peripherals and other network components). Funding procures mission system infrastructure, architecture, and related support components. This includes replenishment hardware and software for an operational capability lab environment to certify ISPAN applications for operational use. In some instances the hardware must be combined with commercially available software to form unique planning and networking environments. The program's life cycle hardware replacement plan follows industry standards and is used to eliminate the peaks and valleys associated with maintaining compatibility with the fast moving COTS hardware technology improvement cycle. It also allows the program to better utilize existing manpower to install and configure the new hardware to provide an incremental and efficient update of critical infrastructure components as they become obsolete. Hardware and software procured within the program is used to support all increments of the overarching ISPAN program.</p>		
PE 0101316F EMERGENCY ACTION MESSAGE (EAM) PROCESSING EQUIPMENT		
<p>Emergency Action Messages are highly structured, authenticated messages primarily used in the command and control of nuclear forces. They are disseminated over numerous survivable and non-survivable communication systems including terrestrial and space systems. Programmed funds will procure system components, spares, software, and necessary support services for systems such as the Strategic Automated Command and Control System (SACCS) and the Defense Injection Reception Emergency Action Message (EAM) C2 Terminals (DIRECT). SACCS is a secure Nuclear Command, Control, and Communications (NC3) system that directly support National Command Authority (NCA) communications in the command and control of strategic and non-strategic forces. SACCS enables the NCA to disseminate Higher Authority Command Messages, Force Direction Messages, Emergency Action Messages, and automated ICBM retargeting data to the USAF's two legs (ICBM and bomber fleets) of the nuclear triad; the reconnaissance, tanker, USAF munitions, and Special Operations communities; and to other Active Duty, Guard, and Reserve DoD users worldwide. DIRECT includes the hardware and software to enable the NCA to transmit nuclear and non-nuclear EAMs and other time-critical messages to strategic and non-strategic forces. The equipment requested is representative of those items capable of providing the required operational capability. The specific items procured may vary depending upon available technology at the time of procurement.</p>		
PE 0208059F CYBER COMMAND ACTIVITIES:		
<p>This project will provide cyberspace situational awareness capabilities that provides Combatant Commands the ability to detect anomalies within friendly networks, and to link cyber key terrain to cyber and kinetic mission needs and timelines.</p>		
PE 0303255F - COMMAND, CONTROL, COMMUNICATION AND COMPUTERS (C4) STRATCOM:		
NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES): NPES is the single, survivable national C2 automated information system (AIS) supporting the President, Secretary of Defense, Joint Staff, and nuclear Combatant Commanders in the transition/post phases of nuclear conflict. The requirement includes NPES communication systems and operational server integration with fixed command centers,		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		P-1 Line Item Number / Title: 833140 / Strategic Command And Control
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>distributed sites, and mobile platforms (USNORTHCOM's Mobile Consolidated Command Center, Navy E-6B Airborne National Command Post, Air Force E-4B National Airborne Operations Center). NPES is a joint program with the Air Force assigned lead service responsibilities. Programmed funds support the integration of an upgraded communication interface, new test suites, and deployable ruggedized prototypes for the mobile platforms. They also support the technical refresh of all NPES fixed and mobile sites and the migration of them into a net centric environment.</p> <p>C2 MODERNIZATION: USSTRATCOM and Air Force Space Command C2 modernization programs provide the infrastructure and hardware to acquire, process, and deliver information, as needed, to enhance decision making. This employs a set of underlying information services, technologies, and tools that enable the Commander of USSTRATCOM to achieve the broad operational warfighting capabilities described in the 2002 Unified Command Plans (UCP) with changes 1 and 2. The USSTRATCOM's C2 modernization program adds capability as it builds to a final architecture. The cyber architecture is a collection of distributed databases and applications, integrated through a grid of supporting services.</p> <p>-- Nuclear Deterrence Operations: The Joint Warfare Analysis Center (JWAC) develops and recommends strategic technical solutions. JWAC coordinates directly with the staffs of all Unified Commands, Department of Defense (DoD) elements, Combatant Commands, military services, and other government departments and agencies to respond to crises.</p> <p>FORCE SURVIVABILITY, ANALYSIS, AND MANAGEMENT SYSTEM (FSAM): FSAM is a decision support system and is designed to provide the commander with Force Management (pre attack) and Force Survival (post attack) information needed to ensure survival of strategic forces. FSAM provides the commander vital decision making data by correlating strategic force status reported by Force Status Reporting (FSR) with missile attack warning information. FSAM replaces the Force Management/Force Survival capabilities of the Strategic Threat Analysis and Reporting System (STARS). Processing and Display Subsystem - Migration (PDS-M) will continue to provide the commander with missile attack warning information. There is no change to this effort.</p> <p>DISTRIBUTIVE COMMAND AND CONTROL NODE (DC2N): The Combatant Commander's DC2N program provides contingency reconstitution and continuity of national command capabilities to accomplish directed Combatant Commander missions in the event primary C2 facilities are incapacitated. Funding will procure COTS backbone network components; satellite, line-of-sight and terrestrial communications systems; message distribution system components; battle staff work station components; and High Altitude Electromagnetic Pulse (HEMP) protection for both ground and maritime sites/nodes. Replacement components and spare parts will ensure COTS products remain fully mission capable and technologically current (within the manufacturer recommended end of life cycle). The Data Federation & Synchronization (DF&S) backup server effort will purchase capabilities that will reside throughout undisclosed locations. This is in cooperation with DISA and OSD Policy.</p> <p>USSTRATCOM Replacement Facility Fit-Out: USSTRATCOM is tasked with the vital roles of strategic deterrence, space operations, and cyberspace operations in our nation's defense. Nuclear, space, and network command and control operations require secure and survivable infrastructure. The facility must include secure High-Altitude Electromagnetic Pulse (HEMP) Shielded Command and Control Center, mainframe computer data centers, multiple 24/7 mission operations centers, storage and maintenance areas, labs/workrooms, back-up generators, Uninterruptible Power Source, Technical Control Facility, and Fiber Ring.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs				P-1 Line Item Number / Title: 833140 / Strategic Command And Control				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B-2 Weapon System Support Center (WSSC) Hardware	P-40a	A	- / -	- / 0.649	- / 0.495	- / 0.493	- / -	- / 0.493
ISPAN Personal Computers, Laptops, Printers	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
ISPAN Developer Environment	P-40a	A	- / -	1 / 0.400	- / -	- / -	- / -	- / -
Legacy Server System	P-40a	A	- / -	1 / 0.400	- / -	- / -	- / -	- / -
ISPAN UNIX Workstations	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
Mission Systems (MPAS) Virtualization	P-40a	A	- / -	1 / 2.000	- / -	- / -	- / -	- / -
ISPAN Windows Servers	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
Personnel Reliability Program (PRP) System	P-40a	A	- / -	1 / 0.400	- / -	- / -	- / -	- / -
MPAS Analysis Systems (EADSIM and IWMDT)	P-40a	A	- / -	1 / 0.500	- / -	- / -	- / -	- / -
Mission Systems (MPAS) Archive Storage Systems - (TS/SIPR/JWICS)	P-40a	A	- / -	1 / 0.250	- / -	- / -	- / -	- / -
ISPAN UNIX Servers	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
ISPAN Disk Tape Silo Storage Devices	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
Virtual Storage for ISPAN Mission Systems	P-40a	A	- / -	1 / 0.400	- / -	- / -	- / -	- / -
ISPAN Secure Access System	P-40a	A	- / -	1 / 0.800	- / -	- / -	- / -	- / -
ISPAN Distributed Operations	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
Alternate Location(s) (Distant) Backup and Emergency Reconstitution	P-40a	A	- / -	1 / 0.500	- / -	- / -	- / -	- / -
Distributed Ops System	P-40a	A	- / -	1 / 0.800	- / -	- / -	- / -	- / -
ISPAN Cross Domain Solution	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
ISPAN Networks	P-40a	A	- / -	1 / 0.250	- / -	- / -	- / -	- / -
ISPAN SAN Fabric Networks	P-40a	A	- / -	1 / 0.500	- / -	- / -	- / -	- / -
ISPAN MPAS Integration Lab	P-40a	A	- / -	1 / 1.713	- / -	- / -	- / -	- / -
ISPAN Major Hardware and Network	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
ISPAN GFE	P-40a	A	- / -	1 / 0.700	- / -	- / -	- / -	- / -
ISPAN Unlimited License	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
ISPAN Collaborative Information System (CIE) HW/SW	P-40a	A	- / -	1 / 1.000	- / -	- / -	- / -	- / -
ISPAN Unlimited License Agreement	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
Program Management Administration	P-40a	A	- / -	1 / 0.410	- / -	- / -	- / -	- / -
SACCS Desktop Terminal System	P-40a	A	- / -	- / -	- / -	62 / 0.248	- / -	62 / 0.248
COTS IT Equipment for cyber SSA	P-40a	A	- / -	- / -	- / -	- / 7.948	- / -	- / 7.948
COMM SYSTEM (SMART NEXT Turn-Key System)	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
RUGGEDIZED EQUIPMENT, E-4B, E-6B, Maritime (includes GFE)	P-40a	A	- / -	- / -	2 / 1.100	5 / 2.000	- / -	5 / 2.000
Net-Centricity Migration Expansion	P-40a	A	- / -	- / -	4 / 0.677	1 / 0.293	- / -	1 / 0.293
System Refresh - SUN/Windows servers, storage, clients etc	P-40a	A	- / -	30 / 2.700	2 / 0.620	7 / 3.500	- / -	7 / 3.500
Global Operations Center (GOC)	P-40a	A	- / -	- / -	1 / 3.600	1 / 2.746	- / -	1 / 2.746
Miscellaneous Infrastructure and LAN refresh, some classified	P-40a	A	- / -	1 / 0.505	1 / 4.450	1 / 2.832	- / -	1 / 2.832

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs					P-1 Line Item Number / Title: 833140 / Strategic Command And Control			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Subordinate organizations system refresh, some classified	P-40a	A	- / -	- / -	1 / 2.621	1 / 2.550	- / -	1 / 2.550
Deterrence Operations	P-40a	A	- / -	- / -	- / -	1 / 0.085	- / -	1 / 0.085
FSAM Modernization Procurement	P-40a	A	- / -	1 / 2.810	1 / 1.284	1 / 1.337	- / -	1 / 1.337
Data Federation and Synchronization	P-40a	A	- / -	- / -	1 / 1.659	- / -	- / -	- / -
Node(s)	P-40a	A	- / -	1 / 5.036	- / -	1 / 14.167	- / -	1 / 14.167
Fiber Ring	P-40a	A	- / -	- / -	1 / 2.794	- / -	- / -	- / -
Transition Infrastructure	P-40a	A	- / -	- / -	1 / 6.576	1 / 1.797	- / -	1 / 1.797
Premise Wiring	P-40a	A	- / -	- / -	1 / 5.000	1 / 35.363	- / -	1 / 35.363
Electronic Security Systems	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
Network / Communications systems	P-40a	A	- / -	- / -	1 / 17.648	1 / 63.595	- / -	1 / 63.595
Server / Client / Data systems hardware	P-40a	A	- / -	- / -	1 / 20.330	1 / 72.668	- / -	1 / 72.668
Audio Visual / VTC systems hardware	P-40a	A	- / -	- / -	1 / 26.239	1 / 56.211	- / -	1 / 56.211
Mission Systems hardware	P-40a	A	- / -	- / -	1 / 24.413	1 / 10.023	- / -	1 / 10.023
Technical Control Facility hardware / Relocation	P-40a	A	- / -	- / -	1 / 20.478	1 / 9.124	- / -	1 / 9.124
Uninterruptable Power Supply (UPS)	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / -	- / 22.723	- / 139.984	- / 286.980	- / -	- / 286.980
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
<p>Justification: PE 0101127F B-2 SQUADRONS</p> <p>B-2 SUPPORT: FY16 Funding continues the replacement of obsolete computer equipment, backbone infrastructure hardware and software, and long haul communications equipment at the Weapon System Support Center (WSSC) Ground Test Facility (GTF) and contractor software laboratories. Hardware and software purchased include COTS items such as uninterruptible power supplies, computers, displays, printers, disk and tape drives, software and installation and support services.</p> <p>PE 0101313F STRATEGIC WAR PLANNING SYSTEM - USSTRATCOM</p> <p>No FY16 funding requested</p> <p>PE 0101316F EMERGENCY ACTION MESSAGE (EAM) PROCESSING EQUIPMENT</p> <p>This program (SACCS system component replacement) is a new start.</p>								

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		P-1 Line Item Number / Title: 833140 / Strategic Command And Control
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>FY16 funds will procure replacement system components for SACCS. This includes modified COTS-based electronic equipment such as hard drives, storage devices, servers, and other electronic components that are representative of the most critical components required to allow continued operations. The specific SACCS components procured (e.g. SACCS Desktop Terminal System (SDT), SACCS Portable Terminal (SPT), and Keyboard Send Receive (KSR)) may vary depending upon available technology at the time of procurement</p> <p>PE 0208059F CYBER COMMAND ACTIVITIES:</p> <p>FY16 funding will be used to buy COTS IT equipment in support of deployment of the joint event detection and mission mapping capabilities at 3 Combatant Commands, a sub-unified command and a combat support agency. Further information is available in classified documentation.</p> <p>PE 0303255F COMMAND, CONTROL, COMMUNICATION AND COMPUTER (C4) - STRATCOM:</p> <p>NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES): FY16 continues funding to procure hardware for the Fact-of-Life (FoL) modernization of the NPES operational environment to support the DoD migration into the X86 environment. FY16 also satisfies life-cycle tech refresh at detached operational sites. Hardware procurement will also support mobile platforms as we introduce X86 blades to the platform server configuration. C2 MODERNIZATION: FY 16 activities include continued phased upgrade of the full C2 LAN Back Up and Recovery System, upgrade of the Mass Storage appliances on the C2 LAN and the Top Secret LAN, and ongoing spiral development. FY16 life-cycle tech refresh includes C2 application and database servers.</p> <p>-- Nuclear Deterrence Operations (Joint Warfare Analysis Center): FY16 funding will continue life cycle replacement of critical analytical software and hardware for strategic solutions</p> <p>FORCE SURVIVABILITY, ANALYSIS, AND MANAGEMENT (FSAM). FY16 funding continues the FSAM hardware/software Evolutionary software enhancements and upgrade of the Mission Critical decision making tools of Force Status Readiness, and Force Protection applications that feed FSAM.</p> <p>DISTRIBUTIVE COMMAND AND CONTROL NODE (DC2N): FY16 funding procures Information Technology (IT) hardware components, mission systems hardware components, all supporting critical National / Department level capabilities. DC2N and Data Federation and Synchronization Hardware procurement will also support continued enterprise connectivity of program node(s) to multiple mission enterprise systems.</p> <p>USSTRATCOM Replacement Facility: USSTRATCOM Replacement Facility: FY16 will focus on 1) Complete the procurement of Network/Communications, Server/Client/Data Center, Audio Visual/VTC hardware, Command and Control mission systems hardware and software to implement the new Command and Control Facility infrastructure; 2) Completion of the Technical Control Facility; and, 3) Procurement of the cabling, racks, cabinets, and associated power distribution units (PDUs) in data centers, and telecom closets, backbone premise cabling (Single Mode including vertical), horizontal premise cabling and zone distribution boxes (Multimode), wireless infrastructure, and end user VOIP cabling for the communications network within the facility.</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3								P-1 Line Item Number / Title: 833140 / Strategic Command And Control							Aggregated Items Title: B-2 Squadrons				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Uncategorized																					
B-2 Weapon System Support Center (WSSC) Hardware	A		-	-	-	-	-	0.649	-	-	0.495	-	-	0.493	-	-	-	-	-	0.493	
Subtotal: Uncategorized			-	-	-	-	-	0.649	-	-	0.495	-	-	0.493	-	-	-	-	-	0.493	
Total			-	-	-	-	-	0.649	-	-	0.495	-	-	0.493	-	-	-	-	-	0.493	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3						P-1 Line Item Number / Title: 833140 / Strategic Command And Control									Aggregated Items Title: Strat War Planning System - USSTRATCOM				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total						
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)				
Uncategorized																								
ISPAN Personal Computers, Laptops, Printers	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
ISPAN Developer Environment	A		-	-	-	0.400	1	0.400	-	-	-	-	-	-	-	-	-	-	-	-				
Legacy Server System	A		-	-	-	0.400	1	0.400	-	-	-	-	-	-	-	-	-	-	-	-				
ISPAN UNIX Workstations	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Mission Systems (MPAS) Virtualization	A		-	-	-	2.000	1	2.000	-	-	-	-	-	-	-	-	-	-	-	-				
ISPAN Windows Servers	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Personnel Reliability Program (PRP) System	A		-	-	-	0.400	1	0.400	-	-	-	-	-	-	-	-	-	-	-	-				
MPAS Analysis Systems (EADSIM and IWMDT)	A		-	-	-	0.500	1	0.500	-	-	-	-	-	-	-	-	-	-	-	-				
Mission Systems (MPAS) Archive Storage Systems - (TS/SIPR/JWICS)	A		-	-	-	0.250	1	0.250	-	-	-	-	-	-	-	-	-	-	-	-				
ISPAN UNIX Servers	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
ISPAN Disk Tape Silo Storage Devices	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Virtual Storage for ISPAN Mission Systems	A		-	-	-	0.400	1	0.400	-	-	-	-	-	-	-	-	-	-	-	-				
ISPAN Secure Access System	A		-	-	-	0.800	1	0.800	-	-	-	-	-	-	-	-	-	-	-	-				
ISPAN Distributed Operations	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Alternate Location(s) (Distant) Backup and Emegency Reconstitution	A		-	-	-	0.500	1	0.500	-	-	-	-	-	-	-	-	-	-	-	-				
Distributed Ops System	A		-	-	-	0.800	1	0.800	-	-	-	-	-	-	-	-	-	-	-	-				
ISPAN Cross Domain Solution	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
ISPAN Networks	A		-	-	-	0.250	1	0.250	-	-	-	-	-	-	-	-	-	-	-	-				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3					P-1 Line Item Number / Title: 833140 / Strategic Command And Control										Aggregated Items Title: Strat War Planning System - USSTRATCOM				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
ISPAN SAN Fabric Networks	A		-	-	-	0.500	1	0.500	-	-	-	-	-	-	-	-	-	-	-	-
ISPAN MPAS Integration Lab	A		-	-	-	1.713	1	1.713	-	-	-	-	-	-	-	-	-	-	-	-
ISPAN Major Hardware and Network	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ISPAN GFE	A		-	-	-	0.700	1	0.700	-	-	-	-	-	-	-	-	-	-	-	-
ISPAN Unlimited License	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ISPAN Collaborative Information System (CIE) HW/SW	A		-	-	-	1.000	1	1.000	-	-	-	-	-	-	-	-	-	-	-	-
ISPAN Unlimited License Agreement	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Program Management Administration	A		-	-	-	0.410	1	0.410	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	11.023	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	11.023	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3							P-1 Line Item Number / Title: 833140 / Strategic Command And Control								Aggregated Items Title: Worldwide Joint Strategic Communications				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Uncategorized																					
SACCS Desktop Terminal System	A		-	-	-	-	-	-	-	-	-	0.004	62	0.248	-	-	-	0.004	62	0.248	
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	0.248	-	-	-	-	-	0.248	
Total			-	-	-	-	-	-	-	-	-	-	-	0.248	-	-	-	-	-	0.248	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3								P-1 Line Item Number / Title: 833140 / Strategic Command And Control							Aggregated Items Title: Cyber Command Activities				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Uncategorized																					
COTS IT Equipment for cyber SSA	A		-	-	-	-	-	-	-	-	-	-	-	7.948	-	-	-	-	-	7.948	
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	7.948	-	-	-	-	-	7.948	
Total			-	-	-	-	-	-	-	-	-	-	-	7.948	-	-	-	-	-	7.948	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3								P-1 Line Item Number / Title: 833140 / Strategic Command And Control							Aggregated Items Title: Command, Control, Communication, and Computers (C4) - STRATCOM				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total						
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)				
Uncategorized																								
COMM SYSTEM (SMART NEXT Turn-Key System)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
RUGGEDIZED EQUIPMENT, E-4B, E-6B, Maritime (includes GFE)	A		-	-	-	-	-	-	0.550	2	1.100	0.400	5	2.000	-	-	-	0.400	5	2.000				
Net-Centricity Migration Expansion	A		-	-	-	-	-	-	0.169	4	0.677	0.293	1	0.293	-	-	-	0.293	1	0.293				
System Refresh - SUN/Windows servers, storage, clients etc	A		-	-	-	0.090	30	2.700	0.310	2	0.620	0.500	7	3.500	-	-	-	0.500	7	3.500				
Global Operations Center (GOC)	A		-	-	-	-	-	-	3.600	1	3.600	2.746	1	2.746	-	-	-	2.746	1	2.746				
Miscellaneous Infrastructure and LAN refresh, some classified	A		-	-	-	0.505	1	0.505	4.450	1	4.450	2.832	1	2.832	-	-	-	2.832	1	2.832				
Subordinate organizations system refresh, some classified	A		-	-	-	-	-	-	2.621	1	2.621	2.550	1	2.550	-	-	-	2.550	1	2.550				
Deterrence Operations	A		-	-	-	-	-	-	-	-	-	0.085	1	0.085	-	-	-	0.085	1	0.085				
FSAM Modernization Procurement	A		-	-	-	2.810	1	2.810	1.284	1	1.284	1.337	1	1.337	-	-	-	1.337	1	1.337				
Data Federation and Synchronization	A		-	-	-	-	-	-	1.659	1	1.659	-	-	-	-	-	-	-	-	-				
Node(s)	A		-	-	-	5.036	1	5.036	-	-	-	14.167	1	14.167	-	-	-	14.167	1	14.167				
Fiber Ring	A		-	-	-	-	-	-	2.794	1	2.794	-	-	-	-	-	-	-	-	-				
Transition Infrastructure	A		-	-	-	-	-	-	6.576	1	6.576	1.797	1	1.797	-	-	-	1.797	1	1.797				
Premise Wiring	A		-	-	-	-	-	-	5.000	1	5.000	35.363	1	35.363	-	-	-	35.363	1	35.363				
Electronic Security Systems	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Network / Communications systems	A		-	-	-	-	-	-	17.648	1	17.648	63.595	1	63.595	-	-	-	63.595	1	63.595				
Server / Client / Data systems hardware	A		-	-	-	-	-	-	20.330	1	20.330	72.668	1	72.668	-	-	-	72.668	1	72.668				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3								P-1 Line Item Number / Title: 833140 / Strategic Command And Control							Aggregated Items Title: Command, Control, Communication, and Computers (C4) - STRATCOM				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Audio Visual / VTC systems hardware	A		-	-	-	-	-	-	26.239	1	26.239	56.211	1	56.211	-	-	-	56.211	1	56.211
Mission Systems hardware	A		-	-	-	-	-	-	24.413	1	24.413	10.023	1	10.023	-	-	-	10.023	1	10.023
Technical Control Facility hardware / Relocation	A		-	-	-	-	-	-	20.478	1	20.478	9.124	1	9.124	-	-	-	9.124	1	9.124
Uninterruptable Power Supply (UPS)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	11.051	-	-	139.489	-	-	278.291	-	-	-	-	-	278.291
Total			-	-	-	-	-	11.051	-	-	139.489	-	-	278.291	-	-	-	-	-	278.291

Remarks:

C2 Facility Fit-Out is broken down into 10 Major Categories:

Fiber Ring, Transition Infrastructure, Premise Wiring, Electronic Security Systems, Network / Communications Systems, Server / Client / Data Systems, Audio Visual / Video Teleconferencing Systems, Missions Systems, Technical Control Facility, and Uninterruptable Power Supply.

There are thousands of parts and pieces to satisfy requirements...for example:

Fiber Ring: Copper Cable (miles), Fiber Optic Cable (miles)

Premise Wiring: Equipment racks (2000+), Fiber Optic Cable (miles), CAT-6A Cable (miles), MUTOAs (6000+), Patch Cabling (thousands)

Network/Communications: Crypto Gear, Storage Chassis, IA Devices, Additional Cabling, Servers, Licensing, Access Layer Switches, Network Management Software, Intrusion Prevention Systems, Proxy System, Log Reduction Systems, Blade Server Enclosures, Mutli-Control Units (MCUs), VoIP Instruments, Call Managers

Server/Client/Data Hardware: Client Machines, Printers, Devices, End-user Licensing, Additional Storage, Additional Server Blades, Cabling, Connectors

Audio Visual/VTC Hardware: AV/VTC Bridges, Audio/Video Switching

Mission Systems Hardware: Servers, Storage Devices, Client Machines, Guards, Firewalls, Antennas, Bridges, Gateways, Gatekeepers, Border Controller

Tech Control Facility Relocation: Circuits, Cabling, Specialized Racks, Patch Fields

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs							P-1 Line Item Number / Title: 833160 / Cheyenne Mountain Complex					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	23.431	20.101	36.186	-	36.186	28.628	29.081	29.597	30.121	-	197.145
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	23.431	20.101	36.186	-	36.186	28.628	29.081	29.597	30.121	-	197.145
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	23.431	20.101	36.186	-	36.186	28.628	29.081	29.597	30.121	-	197.145
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description: Cheyenne Mountain Complex (CMC) systems provide real-time ballistic missile warning, air defense, force management, battle management and command, control and communications for the North American Air Defense (NORAD) missions.</p> <p>PE 0305903F - COCOM MOBILE CONSOLIDATED COMMAND CENTERS (MCCC)</p> <p>Modification for the COMBATANT COMMANDER (COCOM), MOBILE CONSOLIDATED COMMAND CENTER (MCCC): The COCOMs MCCC provides contingency reconstitution and continuity of command capabilities to accomplish directed national level and COCOM missions in the event primary command and control facilities are incapacitated. It provides a survivable and enduring command, control, communications, computers, and intelligence (C4I) capability accomplishing directed COCOM missions. The MCCC provides C4I for National, Homeland Support/Homeland Defense (HLS/HLD) and U.S. Northern Command (USNORTHCOM).</p> <p>PE 0305906F - NCMC - ITW/AA SYSTEM</p> <p>Modification for NORAD CHEYENNE MOUNTAIN COMPLEX-INTEGRATED TACTICAL WARNING/ATTACK ASSESSMENT(NCMC-ITW/AA) SYSTEMS: These systems integrate and correlate missile launch, space object orbit, and air surveillance information to assess the nature of an enemy attack and issue warnings to the President of the United States, the Prime Minister of Canada, United States Secretary of Defense and warfighting Combatant Commanders (C2). Funding procures replacement for reliability and maintainability of the information systems hardware and associated systems software for Cheyenne Mountain operating locations to include legacy space defense systems at Vandenberg AFB, CA and remote interfacing sites essential for executing US Strategic Command, NORAD, Joint Force Component Commander (JFCC) space missions exercised in the Cheyenne Mountain Complex (CMC), Joint Space Program Operations Center (JSpOC), and forward operating locations.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs					P-1 Line Item Number / Title: 833160 / Cheyenne Mountain Complex			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Mod - Mobile Consolidated Command Center Modification (Reliability & Maintainability)	P-3a		- / -	- / 6.292	- / 5.551	- / 9.485	- / -	- / 9.485
001 / Core C2 Enterprise Network Infrastructure and Mission Equipment (Reliability & Maintainability)	P-3a		- / -	- / 17.139	- / 14.550	- / 26.701	- / -	- / 26.701
Total Gross/Weapon System Cost			- / -	- / 23.431	- / 20.101	- / 36.186	- / -	- / 36.186
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Mod - Mobile Consolidated Command Center Modification (Reliability & Maintainability)	P-3a		- / 7.698	- / 7.830	- / 7.969	- / 8.110	- / -	- / 52.935
001 / Core C2 Enterprise Network Infrastructure and Mission Equipment (Reliability & Maintainability)	P-3a		- / 20.930	- / 21.251	- / 21.628	- / 22.011	- / -	- / 144.210
Total Gross/Weapon System Cost			- / 28.628	- / 29.081	- / 29.597	- / 30.121	- / -	- / 197.145
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
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-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3	P-1 Line Item Number / Title: 833160 / Cheyenne Mountain Complex	Modification Number / Title: 1 / Mod - Mobile Consolidated Command Center Modification

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	6.292	5.551	9.485	-	9.485	7.698	7.830	7.969	8.110	-	52.935
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	6.292	5.551	9.485	-	9.485	7.698	7.830	7.969	8.110	-	52.935
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	6.292	5.551	9.485	-	9.485	7.698	7.830	7.969	8.110	-	52.935
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

COMBATANT COMMANDER (COCOM), MOBILE CONSOLIDATED COMMAND CENTER (MCCC): The COCOM's MCCC provides a survivable and enduring command, control, communications, computers, intelligence (C4I), reliability and maintainability while accomplishing directed COCOM missions. The MCCC provides C4I for National, Homeland Security Support/Homeland Defense (HLS/HLD) and USNORTHCOM missions. MCCC modification efforts include upgrading MCCC shelters and incorporating C4I system capabilities via Information Technology and Communication Upgrade project; ensuring the platform's ability to rapidly deploy, setup and operate. Funding for FY16 modification, including initial spares, include but not limited to: 1) Secure voice and data communication upgrade, 2) Platform data processing virtualization, 3) Multi-level security for data processing, 4) Mission and support shelters upgrade, 5) Power system upgrade, 6) SATCOM terminal and antenna integration, 7) Message injection system upgrade, 8) System Integration Laboratory (SIL) functional compatibility upgrade. Funding for this effort is in program element 0305903F and is funded IAW full funding policy.

Milestone/Development Status

Sustainment

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Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3				P-1 Line Item Number / Title: 833160 / Cheyenne Mountain Complex				Modification Number / Title: 1 / Mod - Mobile Consolidated Command Center Modification					
Models of Systems Affected: Cheyenne Mountain Complex				Modification Type: Reliability & Maintainability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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													
Modification Item 1 of 1: MCCC													
B Kits													
Recurring													
MCCC:EQUIPMENT Group B (Active)	- / -	1 / 5.034	1 / 4.441	1 / 7.588	- / -	1 / 7.588	1 / 6.158	1 / 6.264	1 / 6.375	1 / 6.488	- / -	7 / 42.348	
Subtotal: Recurring	- / -	- / 5.034	- / 4.441	- / 7.588	- / -	- / 7.588	- / 6.158	- / 6.264	- / 6.375	- / 6.488	- / -	- / 42.348	
Subtotal: MCCC	- / -	- / 5.034	- / 4.441	- / 7.588	- / -	- / 7.588	- / 6.158	- / 6.264	- / 6.375	- / 6.488	- / -	- / 42.348	
Subtotal: Procurement, All Modification Items	- / -	- / 5.034	- / 4.441	- / 7.588	- / -	- / 7.588	- / 6.158	- / 6.264	- / 6.375	- / 6.488	- / -	- / 42.348	
Installation													
Modification Item 1 of 1: MCCC	- / -	1 / 1.258	1 / 1.110	1 / 1.897	- / -	1 / 1.897	1 / 1.540	1 / 1.566	1 / 1.594	1 / 1.622	- / -	7 / 10.587	
Subtotal: Installation	- / -	1 / 1.258	1 / 1.110	1 / 1.897	- / -	1 / 1.897	1 / 1.540	1 / 1.566	1 / 1.594	1 / 1.622	- / -	7 / 10.587	
Total													
Total Cost (Procurement + Support + Installation)	-	6.292	5.551	9.485	-	9.485	7.698	7.830	7.969	8.110	-	52.935	

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Exhibit P-3a, Individual Modification: PB 2016 Air Force				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3		P-1 Line Item Number / Title: 833160 / Cheyenne Mountain Complex			Modification Number / Title: 1 / Mod - Mobile Consolidated Command Center Modification		

Modification Item 1 of 1: MCCC

Manufacturer Information

Manufacturer Name: L-3 National Security Solution, Inc				Manufacturer Location: Albuquerque, NM			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 9			

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019
Delivery Dates	Sep 2014	Sep 2015	Sep 2016	Sep 2017	Sep 2018	Sep 2019	Sep 2020

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	1 / 1.258	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.258
FY 2015	- / -	- / -	1 / 1.110	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.110
FY 2016	- / -	- / -	- / -	1 / 1.897	- / -	1 / 1.897	- / -	- / -	- / -	- / -	- / -	1 / 1.897
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.540	- / -	- / -	- / -	- / -	1 / 1.540
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.566	- / -	- / -	- / -	1 / 1.566
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.594	- / -	- / -	1 / 1.594
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.622	- / -	1 / 1.622
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 1.258	1 / 1.110	1 / 1.897	- / -	1 / 1.897	1 / 1.540	1 / 1.566	1 / 1.594	1 / 1.622	- / -	7 / 10.587

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	7
Out	0	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	7

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Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3	P-1 Line Item Number / Title: 833160 / Cheyenne Mountain Complex	Modification Number / Title: 001 / Core C2 Enterprise Network Infrastructure and Mission Equipment

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	17.139	14.550	26.701	-	26.701	20.930	21.251	21.628	22.011	-	144.210
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	17.139	14.550	26.701	-	26.701	20.930	21.251	21.628	22.011	-	144.210
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	17.139	14.550	26.701	-	26.701	20.930	21.251	21.628	22.011	-	144.210
(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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Funding procures replacement for reliability and maintainability of the information systems hardware and associated systems software for the NCMC/ITW/AA system. This system is a C2 enterprise of various critical information technology systems comprised of communications processors, network devices, C2 services, workstations, databases, and intelligence sources that are integrated to provide the means to assess an enemy attack. The enterprise consists of two major components: mission systems (air, missile and space) and network/infrastructure systems. Mission systems include all subsystems within the sensor-to-operator messaging string (message processing, database, communications processing systems (including Sensors and Correlation Centers), C2 services, workstations, Space Defense Operations Center (SPADOC), Space Data Server (SDS), Single Integrated Space Picture (SISP), Deconfliction (DECON), Cheyenne Mountain Complex (CMC) Message Processor (CMP), Astrodynamic Workstations and Intelligence sources). Network/infrastructure systems for ITW/AA and Space (including CAVENet) but are not limited to those sub-systems that provide the fabric for the mission systems to operate within operational and security parameters such as system operations servers, security servers, backup systems, networks and network infrastructure components, support systems software and independent test systems. Funding for these efforts are in PE0305906F and are IAW full funding policy.

Milestone/Development Status

Sustainment.

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Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3				P-1 Line Item Number / Title: 833160 / Cheyenne Mountain Complex						Modification Number / Title: 001 / Core C2 Enterprise Network Infrastructure and Mission Equipment			
Models of Systems Affected: Cheyenne Mountain Complex				Modification Type: Reliability & Maintainability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
Modification Item 1 of 1: Core C2 Enterprise Network Infrastructure and Mission Sys													
B Kits													
Recurring													
Core C2 Enterprise Network Infrastructure and Mission Sys:EQUIPMENT Group B (Active)	- / -	1 / 13.711	1 / 11.640	1 / 21.361	- / -	1 / 21.361	1 / 16.744	1 / 17.001	1 / 17.302	- / 17.609	- / -	6 / 115.368	
<i>Subtotal: Recurring</i>	- / -	- / 13.711	- / 11.640	- / 21.361	- / -	- / 21.361	- / 16.744	- / 17.001	- / 17.302	- / 17.609	- / -	- / 115.368	
<i>Subtotal: Core C2 Enterprise Network Infrastructure and Mission Sys</i>	- / -	- / 13.711	- / 11.640	- / 21.361	- / -	- / 21.361	- / 16.744	- / 17.001	- / 17.302	- / 17.609	- / -	- / 115.368	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 13.711	- / 11.640	- / 21.361	- / -	- / 21.361	- / 16.744	- / 17.001	- / 17.302	- / 17.609	- / -	- / 115.368	
Installation													
Modification Item 1 of 1: Core C2 Enterprise Network Infrastructure and Mission Sys	- / -	1 / 3.428	1 / 2.910	1 / 5.340	- / -	1 / 5.340	1 / 4.186	1 / 4.250	1 / 4.326	- / 4.402	- / -	6 / 28.842	
<i>Subtotal: Installation</i>	- / -	1 / 3.428	1 / 2.910	1 / 5.340	- / -	1 / 5.340	1 / 4.186	1 / 4.250	1 / 4.326	- / 4.402	- / -	6 / 28.842	
Total													
Total Cost (Procurement + Support + Installation)	-	17.139	14.550	26.701	-	26.701	20.930	21.251	21.628	22.011	-	144.210	

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Exhibit P-3a, Individual Modification: PB 2016 Air Force				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3		P-1 Line Item Number / Title: 833160 / Cheyenne Mountain Complex			Modification Number / Title: 001 / Core C2 Enterprise Network Infrastructure and Mission Equipment		

Modification Item 1 of 1: Core C2 Enterprise Network Infrastructure and Mission Sys

Manufacturer Information

Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 6			

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018	
Delivery Dates	Jun 2014	Jun 2015	Jun 2016	Jun 2017	Jun 2018	Jun 2019	

Installation Information

Method of Implementation: Combination

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	1 / 3.428	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.428
FY 2015	- / -	- / -	1 / 2.910	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.910
FY 2016	- / -	- / -	- / -	1 / 5.340	- / -	1 / 5.340	- / -	- / -	- / -	- / -	- / -	1 / 5.340
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.186	- / -	- / -	- / -	- / -	1 / 4.186
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.250	- / -	- / -	- / -	1 / 4.250
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.326	- / 4.402	- / -	1 / 8.728
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 3.428	1 / 2.910	1 / 5.340	- / -	1 / 5.340	1 / 4.186	1 / 4.250	1 / 4.326	- / 4.402	- / -	6 / 28.842

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	7
Out	0	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	7

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs							P-1 Line Item Number / Title: 833440 / DRUG INTERDICTION SPT					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0201110F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	32.768	-	-	-	-	-	-	-	-	-	32.768
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	32.768	-	-	-	-	-	-	-	-	-	32.768
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	32.768	-	-	-	-	-	-	-	-	-	32.768
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description: PE 0201110F DRUG INTERDICTION SUPPORT</p> <p>The FY14 funding supported drug interdiction and counter-drug activities.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs					P-1 Line Item Number / Title: 833440 / DRUG INTERDICTION SPT			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0201110F		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Drug Interdiction Support	P-40a	A	- / -	- / 32.768	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / -	- / 32.768	- / -	- / -	- / -	- / -
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.</small>								
<small>Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</small>								

Justification:
No FY16 funds requested

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3								P-1 Line Item Number / Title: 833440 / DRUG INTERDICTION SPT							Aggregated Items Title: DRUG INTERDICTION SPT				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Uncategorized																					
Drug Interdiction Support	A		-	-	-	-	-	32.768	-	-	-	-	-	-	-	-	-	-	-		
Subtotal: Uncategorized			-	-	-	-	-	32.768	-	-	-	-	-	-	-	-	-	-	-		
Total			-	-	-	-	-	32.768	-	-	-	-	-	-	-	-	-	-	-		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs							P-1 Line Item Number / Title: 833560 / Integrated Strat Plan & Analy Network (ISPAN)					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	9.060	9.597	-	9.597	9.408	9.169	9.049	9.209	-	55.492
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	9.060	9.597	-	9.597	9.408	9.169	9.049	9.209	-	55.492
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	9.060	9.597	-	9.597	9.408	9.169	9.049	9.209	-	55.492
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:
 INTEGRATED STRATEGIC PLANNING AND ANALYSIS NETWORK (ISPAN): The mission of USSTRATCOM is to conduct global operations in coordination with other Combatant Commands, Services, and appropriate U.S. Government agencies to deter and detect strategic attacks against the U.S. and its allies. It provides full-spectrum global strike, and coordinated space, missile defense, and information operations capabilities to meet both deterrent and decisive national security objectives. USSTRATCOM will also provide operational space support, integrated missile defense, global command, control, communications, computers, intelligence, surveillance, and reconnaissance (C4ISR), and specialized planning expertise to the joint warfighter. ISPAN enables USSTRATCOM to carry out these missions. It is one of DoD's most complex classified computer systems and the only national force level planning system.

The ISPAN program is comprised of two independent but complementary planning systems; the Mission Planning and Analysis System (MPAS) and the Global Adaptive Planning Collaborative Information Environment (GAP-CIE). MPAS is an automated information system to support Global Strike nuclear and conventional target development and weaponizing. MPAS includes Mission Planning, Analysis, and Decision Support tools and an Enterprise Database to sustain and support nuclear and conventional strategic war planning. GAP-CIE provides web-enabled adaptive planning, rapid distributed Course of Action (COA) development and global situational awareness supporting both contingency and crisis planners. ISPAN enables an effects-based approach to planning and operations; cross domain information sharing; and serves multiple planning environments. It develops, verifies, and produces Operational Plan (OPLAN) 8010. It also supports the USSTRATCOM family of plans construct and current Concept of Operations. The system performs tasks ranging from creating and running Courses of Action (COAs) on threat scenarios to providing data for developing bomber aircraft crew strike mission data in digital and hard copy formats. It includes automated data processing equipment (ADPE), multiple networks, unique processes and procedures, software, training, associated deployable and distributed data processing nodes, a test/development environment, and subsidiary systems. The system will migrate to the new USSTRATCOM Command and Control Facility.

ISPAN uses a four-year life-cycle replacement plan to procure required Commercial Off-The-Shelf (COTS) hardware (e.g. servers, storage devices, workstations, peripherals and other network components). In some instances the hardware must be combined with commercially available software to form unique planning environments. The programs life cycle replacement plan for hardware follows industry standards and is used to eliminate the peaks and valleys associated with maintaining compatibility with the fast moving COTS hardware technology improvement cycle. It also allows the program to better utilize existing manpower to install and configure the hardware systems to provide an incremental and efficient replacement of critical infrastructure components as they become obsolete. Hardware and software procured within the program is used to support all ISPAN program increments.

Funding for this exhibit is contained in Program Element 0101313F.

FY14 and Prior-Year funding for ISPAN was requested in Line Item #22, 833140, Strategic Command and Control.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		P-1 Line Item Number / Title: 833560 / Integrated Strat Plan & Analy Network (ISPAN)
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
This is not a new start and is a budget realignment only.		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs	P-1 Line Item Number / Title: 833560 / Integrated Strat Plan & Analy Network (ISPAN)
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
ISPAN Mission Systems Hardware	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
End-point Computing Devices	P-40a	A	- / -	- / -	1 / 0.782	- / -	- / -	- / -
UNIX/SPARC-based servers	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
MPAS Virtual Server Technology	P-40a	A	- / -	- / -	1 / 1.000	1 / 2.228	- / -	1 / 2.228
H/W and S/W to Deploy GAP CIE System	P-40a	A	- / -	- / -	- / -	1 / 1.000	- / -	1 / 1.000
ISPAN B-Network	P-40a	A	- / -	- / -	1 / 0.300	- / -	- / -	- / -
ISPAN Security Enclaves (SIPR, TS/C, & JWICS)	P-40a	A	- / -	- / -	1 / 0.500	1 / 0.500	- / -	1 / 0.500
ISPAN Virtual Data Storage System	P-40a	A	- / -	- / -	1 / 0.400	1 / 1.200	- / -	1 / 1.200
ISPAN Analysis Systems -- IWMDT and EADSIM	P-40a	A	- / -	- / -	1 / 0.400	- / -	- / -	- / -
ISPAN Systems at Geographically Separated Location(s)	P-40a	A	- / -	- / -	1 / 0.600	- / -	- / -	- / -
ISPAN Systems reconstitute at GSUs	P-40a	A	- / -	- / -	1 / 0.400	- / -	- / -	- / -
H/W and S/W to Deploy Comman Access Card System	P-40a	A	- / -	- / -	1 / 1.388	- / -	- / -	- / -
Cross Domain Guard Solution	P-40a	A	- / -	- / -	1 / 1.800	- / -	- / -	- / -
System to Ingest External Data into ISPAN	P-40a	A	- / -	- / -	- / -	1 / 0.872	- / -	1 / 0.872
ISPAN Network Systems	P-40a	A	- / -	- / -	1 / 0.250	- / -	- / -	- / -
Testing and Experimentation of ISPAN Mission Systems	P-40a	A	- / -	- / -	1 / 0.500	1 / 1.000	- / -	1 / 1.000
ISPAN Systems for Off-Site Developers (GFE)	P-40a	A	- / -	- / -	1 / 0.300	- / -	- / -	- / -
Enterprise Licence Agreements ISPAN Mission Systems	P-40a	A	- / -	- / -	- / -	2 / 2.400	- / -	2 / 2.400
Program Management Administration (Government Cost)	P-40a	A	- / -	- / -	- / 0.060	- / 0.060	- / -	- / 0.060
Program Management Administration (Contractor Services)	P-40a	A	- / -	- / -	2 / 0.380	2 / 0.337	- / -	2 / 0.337
USSTRATCOM C2 Building Hardware & Networks	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / -	- / -	- / 9.060	- / 9.597	- / -	- / 9.597

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:

FY16 funding continues the life-cycle procurement of commercial-based hardware and software components for the ISPAN mission system which consists of the Mission Planning and Analysis System (MPAS) and the Global Adaptive Planning Collaborative Information Environment (GAP CIE) efforts. Funding procures mission system infrastructure, architecture, and related support components. This includes replenishment hardware and software for an operational capability lab environment to certify ISPAN applications for operational use. Funding also provides a secure cross-domain security solution capability to enable automated data transfers between multi-level networks supporting planners worldwide on multiple enclaves. It allows for the procurement of items such as (but are not limited to) application servers, switches, storage area network (SAN), backup and recovery systems, guard solution software and other articles that will provide a secure Cross Domain Security Solution (CDSS) capability, and the life-cycle replacement of Government Furnished Equipment (GFE) at development contractor sites. Funding also provides for ISPAN strategic modernization efforts, to include increased virtualization technology environments and distributed operations capability to support joint warfighters across geographically separated locations. Finally, funding provides for the initial migration of the ISPAN mission system to the new USSTRATCOM Command and Control Facility.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3								P-1 Line Item Number / Title: 833560 / Integrated Strat Plan & Analy Network (ISPAN)							Aggregated Items Title: Integrated Strat Plan & Analy Network (ISPAN)				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
ISPAN Mission Systems Hardware	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
End-point Computing Devices	A		-	-	-	-	-	-	0.782	1	0.782	-	-	-	-	-	-	-	-	-
UNIX/SPARC-based servers	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPAS Virtual Server Technology	A		-	-	-	-	-	-	1.000	1	1.000	2.228	1	2.228	-	-	-	2.228	1	2.228
H/W and S/W to Deploy GAP CIE System	A		-	-	-	-	-	-	-	-	-	1.000	1	1.000	-	-	-	1.000	1	1.000
ISPAN B-Network	A		-	-	-	-	-	-	0.300	1	0.300	-	-	-	-	-	-	-	-	-
ISPAN Security Enclaves (SIPR, TS/ C, & JWICS)	A		-	-	-	-	-	-	0.500	1	0.500	0.500	1	0.500	-	-	-	0.500	1	0.500
ISPAN Virtual Data Storage System	A		-	-	-	-	-	-	0.400	1	0.400	1.200	1	1.200	-	-	-	1.200	1	1.200
ISPAN Analysis Systems -- IWMDT and EADSIM	A		-	-	-	-	-	-	0.400	1	0.400	-	-	-	-	-	-	-	-	-
ISPAN Systems at Geographically Separated Location(s)	A		-	-	-	-	-	-	0.600	1	0.600	-	-	-	-	-	-	-	-	-
ISPAN Systems reconstitute at GSUs	A		-	-	-	-	-	-	0.400	1	0.400	-	-	-	-	-	-	-	-	-
H/W and S/W to Deploy Common Access Card System	A		-	-	-	-	-	-	1.388	1	1.388	-	-	-	-	-	-	-	-	-
Cross Domain Guard Solution	A		-	-	-	-	-	-	1.800	1	1.800	-	-	-	-	-	-	-	-	-
System to Ingest External Data into ISPAN	A		-	-	-	-	-	-	-	-	-	0.872	1	0.872	-	-	-	0.872	1	0.872
ISPAN Network Systems	A		-	-	-	-	-	-	0.250	1	0.250	-	-	-	-	-	-	-	-	-
Testing and Experimentation of ISPAN Mission Systems	A		-	-	-	-	-	-	0.500	1	0.500	1.000	1	1.000	-	-	-	1.000	1	1.000
ISPAN Systems for Off-Site Developers (GFE)	A		-	-	-	-	-	-	0.300	1	0.300	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3						P-1 Line Item Number / Title: 833560 / Integrated Strat Plan & Analy Network (ISPAN)									Aggregated Items Title: Integrated Strat Plan & Analy Network (ISPAN)				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Enterprise Licence Agreements ISPAN Mission Systems	A		-	-	-	-	-	-	-	-	-	1.200	2	2.400	-	-	-	1.200	2	2.400
Program Management Administration (Government Cost)	A		-	-	-	-	-	-	-	-	0.060	-	-	0.060	-	-	-	-	-	0.060
Program Management Administration (Contractor Services)	A		-	-	-	-	-	-	0.190	2	0.380	0.169	2	0.337	-	-	-	0.169	2	0.337
USSTRATCOM C2 Building Hardware & Networks	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	-	-	-	9.060	-	-	9.597	-	-	-	-	-	9.597
Total			-	-	-	-	-	-	-	-	9.060	-	-	9.597	-	-	-	-	-	9.597

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects						P-1 Line Item Number / Title: 834010 / General Information Technology						
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0207605F, 0207697F, 0208087F, 0303112F, 0305105F, 0305128F, 0305173F, 0305174F, 0604281F, 0702806F, 0708012F, 0804711F, 0804752F, 0804771F, 0901279F				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	32.776	42.952	27.403	3.953	31.356	39.711	36.306	33.684	40.325	-	257.110
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	32.776	42.952	27.403	3.953	31.356	39.711	36.306	33.684	40.325	-	257.110
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	32.776	42.952	27.403	3.953	31.356	39.711	36.306	33.684	40.325	-	257.110
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

General information technologies are a critical part of the Air Force (AF) vision to provide widespread, secure, robust, physically diverse terrestrial, airborne, and space based transmission paths and information services between our fixed and deployed operating locations. These capabilities, when coupled with the AF's fixed-based transport and network operations infrastructure from the Combat Information Transport System, the expeditionary base theater deployable communications program, and via connections through teleport gateways, allow warfighters to exchange unprecedented levels of information. This program provides for commercially available Information Technology (IT) acquisitions and equipment additions to government-owned computer systems. Items to be purchased include, but are not limited to network servers, network infrastructure, specialized systems directly supporting operational mission requirements, and Storage Area Network (SAN) and Local Area Network (LAN) hardware and software replacement of equipment. Programs support and enhance warfighting capability and all enhance productivity in support of AF weapon systems and personnel.

The FY2016 funding request was reduced by \$6.004M to account for the availability of prior execution balances

FY2015 funding totals include \$3.857M appropriated for Overseas Contingency Operations

PE 0201110F SERVICE SUPPORT TO USNORTHCOM ACTIVITIES

CIVIL RESPONDER COMMUNICATIONS (CRC) INTEROPERABILITY: The Civil Responder Communications capability provisions interoperable communications between a deployed Joint Task Force and federal, state, and local disaster response personnel. USNORTHCOM will use these funds to procure communications technologies that enable direct communications between military and civil command counterparts at all echelons. The collaborative requirements that this task satisfies includes shared common operational picture (COP), desktop collaboration, military and civil radio interoperability that includes encryption, and the extension of public internet and telephone service by military communications systems to the civil responders being supported. (Formerly Emergency Response Communications System (ERCS))

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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		P-1 Line Item Number / Title: 834010 / General Information Technology
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0207605F, 0207697F, 0208087F, 0303112F, 0305105F, 0305128F, 0305173F, 0305174F, 0604281F, 0702806F, 0708012F, 0804711F, 0804752F, 0804771F, 0901279F
<p>PE 0201130F US NORTHERN COMMAND COMMUNICATIONS:</p> <p>a. NORAD AND NORTHCOM INTEROPERABLE COMMUNICATIONS: This includes mission specific communications enhancements to support extension of Public Switched Telephone Network (PSTN) and Public Internet to Civil Authorities from the DOD Satellite Teleports either directly to the Civil Authorities' communications systems or through DOD communications systems. This program combines the Interoperable Communications and Joint Tactical Radio System (JTRS) compliant radio handsets to enable the Defense support of Civil authorities mission.</p> <p>b. DEPLOYABLE COMMUNICATION CAPABILITY SYSTEM LIFE CYCLE MANAGEMENT: The USNORTHCOM Deployable Communication Fleet consists of Emergency Response Vehicles (ERVs) Mobile Communications Platforms (MCPs), Rapid Response Kits (RRK)and fly-away communications systems, small enough to be flown on commercial airlines to a nationally declared disaster. (NC J6 DCCS combined the previously approved and funded Cellular System Technical Refresh and Emergency Response Communications System into one consolidated effort.</p> <p>c. EARLY WARNING RADAR (EWR) COMMUNICATIONS EQUIPMENT: The AVTEC NexGen panels are used to support the Hawaii Regional Air Operations Center (HIRAOC). The NORAD EWR Communications Equipment provide equipment to facilitate dual operation cutovers, secure/non-secure communications for a single communications network allowing clear and secure, real-time, line of sight and beyond line of sight NORAD wide command and control of airborne and ground elements.</p> <p>PE 0207277F ISR INNOVATIONS</p> <p>Family of systems providing high impact, quick reaction capabilities to warfighters for mission planning, rehearsal, visualization, and intelligence gathering purposes. Program components include: Eagle Vision, DoD's only worldwide deployable commercial imagery ground station capability, and ISR innovations, rapid prototyping, operational evaluation and fielding of short notice, high payoff capabilities addressing immediate gaps and/or shortfalls identified by warfighting activities. Eagle Vision provides direct downlink commercial imagery to operational commanders for mission support purposes.</p> <p>In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the armed forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>PE 0207603F (CAF) EXERCISES AND READINESS TRAINING:</p> <p>Procures part task trainers for ACC and other CAF air crews to perform selected ground training tasks in conjunction with other air operations training activities as they train to become combat ready for worldwide air expeditionary force missions.</p> <p>PE 0207605F WARGAMING AND SIMULATION CENTERS:</p> <p>The Warrior Preparation Center conducts and supports integrated and distributed live, virtual, and constructive warfighter training for Joint and Combined partners in the European and African theaters.</p> <p>PE 0207697F DISTRIBUTED TRAINING AND EXERCISES:</p>		

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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0207605F, 0207697F, 0208087F, 0303112F, 0305105F, 0305128F, 0305173F, 0305174F, 0604281F, 0702806F, 0708012F, 0804711F, 0804752F, 0804771F, 0901279F
<p>AIR FORCE DISTRICT WASHINGTON: Wargaming and analysis suites, hardware, and software in direct support of the wargaming informational environment, which is distributed across the National Capitol Region, United States Air Force, and Combatant Commands worldwide.</p> <p>PE 0208087F AF OFFENSIVE CYBERSPACE OPERATIONS</p> <p>Procures student mission training systems (hardware, software, infrastructure, and facility modifications) supporting Information & Cyber Operations training needs of approximately 700 students per year.</p> <p>PE 0303112F AIR FORCE COMMUNICATIONS (AIRCOM)</p> <p>AIRBORNE NETWORKING INTEGRATION (ANI): The Airborne Networking Global Information Grid (GIG) Interface (ANGI) is an initiative that provides airborne communications network connectivity to the terrestrial and space layers. It supports Air Force and Joint efforts for integration of airborne, terrestrial and space layer networks. The initiative establishes ANGI sites that support deployed assets by extending the AFNet to the aerial layer.</p> <p>PE 0305105F DoD Cyber Crime Center (DC3):</p> <p>DC3 provides digital and multimedia (D/MM) forensics, cyber investigative training; research, development, test and evaluation, cyber analytics to DoD computer network defense (CND), and cyber investigative and operational support to DoD customers. Funds will provide the replacement of equipment to detect, enhance or recover digital media, to include audio and video, computer investigative and incident response training, and test & evaluation of all software/hardware before use in a forensic process.</p> <p>PE 0305128F SECURITY AND INVESTIGATIVE ACTIVITIES</p> <p>The Air Force Office of Special Investigation (AFOSI) Directorate of Warfighting Integration is responsible for the delivery of Information Technology (IT) services, both unclassified and classified, to over 250 locations, world-wide. The directorate also has the responsibility for continually identifying and implementing advanced applications, tools and IT technology that improve AFOSI's ability to manage investigative activity for Air Force leaders. It accomplishes this mission through the management and oversight of personnel, products and systems associated with unclassified, Secret, special access, law enforcement sensitive (LES) and Top Secret/SCI computers and information systems, long-haul, communications circuits, official records, Privacy Act, Freedom of Information Act, publication and forms, and official mail to achieve the command's operational objectives in support of the AF and Office of the Secretary of Defense as well as to achieve Executive mandates to improve information sharing within and between the law enforcement and intelligence communities.</p> <p>PE 0305173 SPACE AND MISSILE TEST AND EVAL CENTER</p> <p>The Research and Development Space and Missile Operations (RDSMO) program, executed by the Space Development and Test Directorate at Kirtland AFB, NM, conducts space and missile Research and Developmental Test and Evaluation (RDT&E) and Initial Operational Test and Evaluation (IOT&E) in support of experimental, demonstration, and operational satellites. The program develops, acquires, and operates satellite command and control (C2) and fixed/deployable telemetry, tracking, and commanding (TT&C) antenna systems in support of AF and DoD missions. The RDSMO program is responsible for the</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0207605F, 0207697F, 0208087F, 0303112F, 0305105F, 0305128F, 0305173F, 0305174F, 0604281F, 0702806F, 0708012F, 0804711F, 0804752F, 0804771F, 0901279F
<p>design, development, integration, testing, sustainment, and operations of the Multi-Mission Satellite Operations Center (MMSOC) C2 systems installed in the RDT&E Support Complex (RSC) at Kirtland AFB, NM and at the Satellite Operations Center 11 (SOC 11) located at Schriever AFB, CO.</p> <p>PE 0305174F SPACE INNOV INTG AND RAPID TECH DEV</p> <p>Located at Peterson AFB, Colorado, the Space Innovation, Integration and Rapid Technology Development (SIIRTD) program develops and modifies modeling and simulation tools that Air Force Space Command's Space Analysis Center uses for operations research, military utility analyses, tradeoff studies, and other evaluations of space mission areas to guide planning, programming, requirements generation, analyses of alternatives, and other activities. Development activities incorporate changes in fielded and projected space operational capabilities, as well as technical improvements, into the group's software tools to ensure their data and technology remain current. Its innovation, education, and training activities foster solutions to operational deficiencies and enhance the integration of space systems into Air Force operations, thereby enabling service and joint warfighters to realized the full potential of existing and planned space capabilities.</p> <p>DISTRIBUTED COMMUNICATIONS ARCHITECTURE: This system provides a network based communications capability enabling dispersed space personnel to participate in space exercises and wargames and to assist in development, testing, and validation of SIIRTD innovation projects supporting the Combat Air Forces. It can also support limited command and control capabilities for space operations.</p> <p>SPACE ANALYSIS CENTER: Air Force Space Command's Space Analysis Center uses modeling and simulation tools to conduct operations research, military utility analyses, tradeoff studies, and other evaluations of space mission areas to guide planning, programming, requirements generation, analyses of alternatives, and other activities. Related modeling and simulation tool development is funded in RDT&E, AF, PE 0305174F, Space Innovation, Integration and Rapid Technology Development.</p> <p>PE 0408020F SERVICE SUPPORT TO USTRANSCOM</p> <p>COALITION MOBILITY SYSTEM JCTD: enables the machine-to-machine exchange of air and sealift schedules to support Coalition Task Force operations.</p> <p>PE 0604281F TACTICAL DATA LINK NETWORKS ENTERPRISE (TDNE)</p> <p>Other Gateways: FY16 funding provides procurement for all TDL enterprise efforts. This includes equipment, fielding support and associated contract support for the fielded family of gateways, as well as capability enhancements to TDL's, gateways and AF contributions to the Joint Aerial Layer Network (JALN), TDN Planning, Analysis and Monitoring Tactical Edge Network Command and Control (PAM/TENC2). These airborne networking systems enable combat forces to exchange information quickly and accurately by bridging discrete airborne, terrestrial, and maritime and space-based C4ISR networks. In FY16, this is a New Start.</p> <p>PE 0702806F: ACQUISITION AND MANAGEMENT SUPPORT</p> <p>This equipment is used to maintain the Air Force's acquisition reporting system</p> <p>PE 0708012F: LOGISTICS SUPPORT ACTIVITIES</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		P-1 Line Item Number / Title: 834010 / General Information Technology
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0207605F, 0207697F, 0208087F, 0303112F, 0305105F, 0305128F, 0305173F, 0305174F, 0604281F, 0702806F, 0708012F, 0804711F, 0804752F, 0804771F, 0901279F
<p>GUNTER AIR FORCE BASE NETWORK SERVICES: Funds provide unique local area network (LAN) hardware to the population at Maxwell Air Force (MAFB)-Gunter Annex, AL including equipment for web access, file storage backup, information security, and application testing for AF programs worldwide hosted at MAFB-Gunter Annex, AL. LAN equipment enables MAFB-Gunter Annex to manage/support 122 programs and systems worldwide. MAFB-Gunter Annex exceeds the standard Base Information Transport Infrastructure (BITI) environment, therefore no funding is provided by BITI.</p> <p>PE 0708074F: JOINT LOGISTICS PROGRAM - TOTAL ASSET VISIBILITY</p> <p>AUTOMATIC IDENTIFICATION TECHNOLOGY (AIT): A collection of enabling technologies including linear and two-dimensional bar codes, radio frequency identification, smart cards, memory cards, laser cards, touch memory, and voice and biometrics identification. These technologies provide timely and accurate automatic capture, aggregation, and transfer of data to management information systems with minimal human involvement. By capitalizing on advances in technology the Air Force is able to gain efficiencies in the logistical supply chain and asset visibility throughout an item's life cycle. Project funding enables compatibility of Air Force and industry standards in the core areas of supply, transportation, and maintenance, as well as weaving commercial AIT business practices and standards into the Air Force's logistics infrastructure.</p> <p>PE 0801711F RECRUITING ACTIVITIES</p> <p>Air Force Recruiting and Information Support System - Legacy (AFRISS-L): AFRISS-L is a web-enabled automated information system, accessible via the Internet, used by recruiters and management personnel world-wide to gather information on prospective recruits and process them into the Air Force. It supports all Active Duty and Air Guard recruiting efforts.</p> <p>PE 0804711F RECRUIT TRAINING UNITS</p> <p>BASIC MILITARY TRAINING (BMT) SURVEILLANCE SECURITY SYSTEM: Basic Military Training sustains the combat capability of the Air Force (Active duty, Air National Guard and Air Force Reserve Command) with trained airmen. MTI Misconduct-Restore The Trust / Requirements associated with MTI misconduct issues at BMT.</p> <p>PE 0804721F SERVICE ACADEMIES</p> <p>a. AIR FORCE ACADEMY COMPUTER SUPPORT: Air Force Academy uses two separate networks for day-to-day operations. Approximately 75% of the support is provided to USAFAEDU (academic network), providing the Academy's interface for mission elements, the cadet wing, direct reporting unit (DRU) and direct mission support organizations to DoD/AF military sites, commercial internet, other colleges and universities. The remaining support is provided to USAFAMIL, the interface with the AF's military only networks (NIPRNET and SIPRNET).</p> <p>b. CADET ADMINISTRATION MANAGEMENT INFORMATION SYSTEM (CAMIS): CAMIS is a cradle-to-grave system supporting all facets of student management including admissions, registrar, preparatory, academic, athletic, military training data from the candidate's initial application to graduation & commissioning and continuing through the military career of each cadet.</p> <p>PE 0804731F GENERAL SKILL TRAINING</p>		

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<p>TECHNICAL TRAINING MANAGEMENT SYSTEM (TTMS): TTMS provides AETC organizations with a world class commercial-off-the-shelf (COTS) / government off-the-shelf (GOTS) learning management system which supports six functions: course design and development; student evaluation; instructor management; student management; data analysis; and resource administration. TTMS is a centralized web-based system which provides productivity enhancements and higher degree of efficiency to AETC.</p> <p>PE 0804752F OTHER PROFESSIONAL EDUCATION</p> <p>Accreditation of AFIT's engineering programs is directly related to both the existence of the well-equipped and maintained laboratories and an institutional commitment to fund equipment and maintenance. To serve the research needs of the USAF/DoD, students have up-to-date equipment to make tangible contributions to AF research needs. Existing equipment has reached the age where the cost to maintain it is impractical.</p> <p>PE 0804771F SUPPORT OF THE TRAINING ESTABLISHMENT</p> <p>Air University (AU) Education Technology (ET) Program funds the cradle-to-grave lifecycle management of IT systems, services, and resources that comprise AU Enterprise ET/IT portfolio. The primary systems under AU IT are CDSAR, STARS, AUSIS, AUSRIS, AUREPM, and AUSMS. This portfolio provides enrollment, content delivery, and student administration capabilities critical to all AU resident and non-resident courses. At the Air Force level, A6 provides the system of record capability for all AF PME/PCE; a system crucial to ensuring a fully prepared (trained and educated) expeditionary force. As AU aggressively pursues the enhancement of processes by which educational products are delivered to students, ET/IT demands will increase in frequency and complexity. Quickly revising software and inserting technology into those processes in a timeframe adequate to realize return on investment dollars or educational benefits requires an appropriately resourced A6 organization.</p> <p>PE 0901220F Personnel Administration</p> <p>Personnel Administration supported the following systems through FY14, when all of these systems were transferred to PE 0901299F</p> <p>a. MILITARY PERSONNEL DATA SYSTEM: b. REGIONALIZATION OF CIVILIAN PERSONNEL SUPPORT: c. PERSONNEL SERVICE DELIVERY (PSD):</p> <p>PE 0901279F FACILITIES OPERATION - ADMINISTRATIVE</p> <p>CIVIL ENGINEER'S (CE) IT TRANSFORMATION: CE IT Transformation program's mission is to transform CE's business processes to better serve the CE customers and meet AF Transformational Goals. The plan is to leverage industry best practices, optimize core business processes, and replace existing outdated IT capabilities with a set of commercial off-the-shelf (COTS) software solutions and a service provider to deploy and maintain the system. This COTS solution will provide a robust, enterprise-wide CE capability and will consist of an integrated set of embedded / configurable best business practices and capabilities to support the following CE missions: Real Property Management; Work & Supply Management, Project Management, Energy Management, Housing Management, Financial Management, Environmental Management, Planning, Emergency Services, Fire Operations and EOD.</p> <p>PE 0901299F AF A1 SYSTEMS</p>		

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Provides funding for the sustainment and operation of hardware and software supporting Total Force Human Capital IT systems (RegAF, Reserve, ANG, Civilians, Retirees, and Beneficiates), network applications and infrastructure. These systems include items such as client servers, computer hardware and software, LANs, web self service and relational database management technologies and associated equipment to support all phases of the personnel life cycle, including accession, training, assignment, promotion, and retirement/separation.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	26.550	34.121	23.576	3.953	27.529	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.917	3.679	3.041	-	3.041	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	28.467	37.800	26.617	3.953	30.570	-	-	-	-

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Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
PE 0201110F SERVICE SUPPORT TO USNORTHCOM ACTIVITIES	P-40a	A	- / -	- / 0.306	- / 0.476	- / -	- / -	- / -
INTEROPERABLE COMMUNICATION	P-40a	A	- / -	- / 0.079	- / 0.088	- / 0.581	- / -	- / 0.581
DEPLOYABLE COMMUNICATIONS CAPABILITY SYSTEM LIFE CYCLE MANAGEMENT	P-40a	A	- / -	- / 2.883	- / 2.909	- / 2.336	- / -	- / 2.336
EARLY WARNING RADAR (EWR) COMMUNICATIONS EQUIPMENT	P-40a	A	- / -	- / 2.083	- / -	- / -	- / -	- / -
(1). EAGLE VISION DATA ACQUISITION SYSTEM REFRESH/CAPITAL EQUIPMENT REPLACEMENT	P-40a	A	- / -	- / 2.396	- / 4.599	- / 3.801	- / -	- / 3.801
(3). EAGLE VISION PROGRAM MANAGEMENT ADMINISTRATION (PMA)	P-40a	A	- / -	- / 1.032	- / 1.079	- / 0.950	- / -	- / 0.950
COMBAT AIR FORCE EXERCISES AND READINESS TRAINING	P-40a	A	- / -	- / 0.166	- / 0.201	- / 0.164	- / -	- / 0.164
WARRIOR PREPARATION CENTER	P-40a	A	- / -	- / 0.447	- / 0.711	- / 0.594	- / -	- / 0.594
DISTRIBUTED TRAINING AND EXERCISES	P-40a	A	- / 0.000	- / 0.241	- / 0.580	- / 0.248	- / -	- / 0.248
CYBER WORKFORCE TRAINING	P-40a	A	- / 0.000	- / 1.150	- / 1.705	- / 1.329	- / -	- / 1.329
AIRBORNE NETWORKING INTEGRATION (OCO) (PE 0303112F)	P-40a	A	- / -	- / -	1 / 3.857	- / -	- / 3.953	- / 3.953
DOD CYBER CRIME CENTER (DC3)	P-40a	A	- / -	1 / 0.397	- / -	- / -	- / -	- / -
OSI OPERATIONS	P-40a	A	- / -	- / 0.990	- / 1.593	- / 1.337	- / -	- / 1.337
RESEARCH AND DEVELOPMENT SPACE AND MISSILE OPERATIONS (RDSMO) (PE 0305173F)	P-40a	A	- / -	- / 1.038	- / 1.683	- / 1.435	- / -	- / 1.435
Distributed Communications Architecture	P-40a	A	- / 0.000	- / 0.514	- / 0.782	- / 1.000	- / -	- / 1.000
Space Analysis Center	P-40a	A	- / 0.000	- / 0.405	- / 0.507	- / 0.221	- / -	- / 0.221
COALITION MOBILITY SYSTEM JCTD	P-40a	A	- / 0.000	- / 0.065	- / -	- / -	- / -	- / -
c. TACTICAL DATA NETWORKS ENTERPRISE (PE 0604281F)	P-40a	A	- / -	- / 0.153	- / 0.168	- / 1.602	- / -	- / 1.602
Acquisition and Management Support	P-40a	A	- / -	- / 0.076	- / -	- / -	- / -	- / -
GUNTER AIR FORCE BASE NETWORK SERVICES	P-40a	A	- / 0.000	- / 0.492	- / 1.277	- / -	- / -	- / -
Active Radio Frequency Identification	P-40a	A	- / 0.000	- / 0.987	- / 1.594	- / 1.337	- / -	- / 1.337
Passive Radio Frequency Identification	P-40a	A	- / 0.000	- / 1.070	- / 1.716	- / 1.029	- / -	- / 1.029
Item Unique Identification	P-40a	A	- / 0.000	- / 1.421	- / 2.279	- / 1.913	- / -	- / 1.913
Real Time Locating Systems	P-40a	A	- / 0.000	- / 1.603	- / 2.573	- / 1.341	- / -	- / 1.341
Air Force Recruiting and Information Support System - Legacy	P-40a	A	- / -	1 / 0.838	1 / 0.991	- / -	- / -	- / -
BMT Surveillance System	P-40a	A	- / 0.000	- / -	- / 1.508	- / 0.630	- / -	- / 0.630
SERVICE ACADEMIES - USAFA	P-40a	A	- / 0.000	- / 2.214	- / 2.702	- / 3.227	- / -	- / 3.227
GEN SKILL TRAINING	P-40a	A	- / 0.000	- / 0.238	- / 0.137	- / 0.210	- / -	- / 0.210
TECH TNG MANAGEMENT SYSTEM	P-40a	A	- / 0.000	- / 0.105	- / 0.281	- / 0.245	- / -	- / 0.245
OTHER PROFESSIONAL EDUCATION	P-40a	A	- / 0.000	- / 0.355	- / 0.429	- / 0.357	- / -	- / 0.357

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Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
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TRAINING SUPPORT	P-40a	A	- / 0.000	- / 0.722	- / 0.875	- / 0.730	- / -	- / 0.730
Personnel Administration System Support	P-40a	A	- / -	- / 1.340	- / -	- / -	- / -	- / -
NexGen IT	P-40a	A	- / -	- / 2.661	- / 0.500	- / -	- / -	- / -
PERSONNEL SERVICE DELIVERY	P-40a	A	- / -	- / 0.315	- / 0.379	- / -	- / -	- / -
MILITARY PERSONNEL DATA SYSTEM (MILPDS)	P-40a	A	- / -	- / 0.770	- / 0.907	- / 0.600	- / -	- / 0.600
REGIONALIZATION OF CIV PERS SUPPORT	P-40a	A	- / -	- / 1.391	- / 1.664	- / -	- / -	- / -
AIR FORCE PERSONNEL CENTER	P-40a	A	- / -	- / 1.833	- / 2.202	- / 0.186	- / -	- / 0.186
Total Gross/Weapon System Cost			- / -	- / 32.776	- / 42.952	- / 27.403	- / 3.953	- / 31.356

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:
 PE 0201110F SERVICE SUPPORT TO USNORTHCOM ACTIVITIES:

No FY16 funding requested.

PE 0201130F US NORTHERN COMMAND COMMUNICATIONS:

a. NORAD AND NORTHCOM INTEROPERABLE COMMUNICATIONS: FY16 funding procures equipment and associated support that provide deployable, interoperable commercial communications capability NORAD - USNORTHCOM Headquarters; USNORTHCOM Domestic Operations (DOMOPS), and Subordinate Commands). The system consists of deployable communications base stations, Infrastructure and Joint Tactical Radio System handsets to enable the Defense Support of Civil Authorities mission.

b. DEPLOYABLE COMMUNICATION CAPABILITY SYSTEM LIFE CYCLE MANAGEMENT: FY16 funding ensures system life cycle support of the Deployable Communications Fleet, as well as, the lifecycle maintenance of these USNORTHCOM deployable communication systems. A centralized managed construct to enable the configuration management of deployable communication systems.

c. EARLY WARNING RADAR (EWR) COMMUNICATIONS EQUIPMENT:

No FY16 funding requested

PE 0207277F: ISR INNOVATIONS

FY16 funding procures components that support Data Acquisition System refresh and capital equipment replacement for Eagle Vision

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<p>PE 0207603F (CAF) EXERCISES AND READINESS TRAINING:</p> <p>COMBAT AIR FORCE (CAF) EXERCISES AND READINESS TRAINING: FY16 funding procures part task trainers for ACC and other CAF air crews to perform selected ground training tasks in conjunction with other air operations training activities as they train to become combat ready for worldwide air expeditionary force missions.</p> <p>PE 0207605F WARGAMING AND SIMULATION CENTERS:</p> <p>FY16 funds serve to refresh and upgrade network systems for the command and control, warfighting, and support training systems at the tactical and operational levels of warfare. The equipment allows the WPC to lead USAFE toward full integration of live, virtual, and constructive capabilities and connectivity with our coalition partners.</p> <p>PE 0207697F DISTRIBUTED TRAINING AND EXERCISES:</p> <p>AIR FORCE DISTRICT WASHINGTON: FY16 funding will be used to procure hardware, software and licensing to build Wargame Information Environment (WIE) 3.5 in support of CSAF and USAFE/CC objective priorities for Unified Engagement (UE) 16.</p> <p>PE 0208087F AF OFFENSIVE CYBERSPACE OPERATIONS</p> <p>FY16 funds will procure student mission training systems (hardware, software, network infrastructure and IT related equipment) supporting Information & Cyber Operations training needs of approximately 700 students per year.</p> <p>PE 0303112F AIRBORNE NETWORKING INTEGRATION (ANI):</p> <p>The ANGI FY16 Overseas Contingence Operations (OCO) funding request will procure and field deployable airborne communications GIG ground entry points (GEPs) and provide Interim Contractor Support (ICS) to those sites.</p> <p>PE 0305105F DOD CYBER CRIME CENTER:</p> <p>No FY16 funds requested.</p> <p>PE 0305128F SECURITY AND INVESTIGATIVE ACTIVITIES:</p> <p>FY16 funds will provide AFOSI Server Virtualization, which will increase efficiency of limited system administrative staff and reduce future capital investment costs of new hardware. The virtual server environment also delivers new capability not available in a non-virtual server environment, such as rapid Information Assurance patching, automatic error detection, failover and disaster recovery of critical</p>		

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<p>applications, reduce footprint from both a physical space and energy perspective. These funds will enable AFOSI standard IT equipment and specialized investigative equipment to provide the latest capabilities of specialized investigative support to DoD/USAF investigations/operations both in-garrison and in support of wartime operations, for over 3,000 AFOSI personnel in more than 250 worldwide locations.</p> <p>PE 0305173F SPACE AND MISSILE TEST AND EVAL CENTER:</p> <p>RESEARCH AND DEVELOPMENT SPACE AND MISSILE OPERATIONS (RDSMO) PROGRAM: FY16 funds will be used to purchase hardware and software to support the implementation of Multi-Mission Satellite Operations Center (MMSOC) Block 2.1.</p> <p>PE 0305174F SPACE INNOV INTG AND RAPID TECH DEV:</p> <p>DISTRIBUTED COMMUNICATIONS ARCHITECTURE: FY16 funds will be used for replacement/upgrade of existing Local Area Network (LAN) equipment while incorporating new technology into the system.</p> <p>SPACE ANALYSIS CENTER: FY16 funding procures computing equipment supporting analysis capabilities.</p> <p>PE 0408020F SERVICE SUPPORT TO USTRANSCOM:</p> <p>No FY16 funding requested.</p> <p>PE 0604281F TACTICAL DATA LINK NETWORKS ENTERPRISE (TDNE)</p> <p>OTHER GATEWAYS: FY16 funding provides procurement for all TDL enterprise efforts. This includes equipment, fielding support and associated contract support for the fielded family of gateways, as well as capability enhancements to TDL's, gateways and AF contributions to the Joint Aerial Layer Network (JALN). These airborne networking systems enable combat forces to exchange information quickly and accurately by bridging discrete airborne, terrestrial, and maritime and space-based C4ISR networks. In FY16, the Tactical Data Link Planning, Analysis and Monitoring (TDL PAM) system is a New Start.</p> <p>PE 0702806F: ACQUISITION AND MANAGEMENT SUPPORT:</p> <p>No FY16 Funds Requested.</p> <p>PE 0708012F: LOGISTICS SUPPORT ACTIVITIES</p> <p>No FY16 funding requested.</p> <p>PE 0708074F: JOINT LOGISTICS PROGRAM - TOTAL ASSET VISIBILITY</p>		

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<p>AUTOMATIC IDENTIFICATION TECHNOLOGY (AIT): FY 16 funding will be used to implement the use of Item Unique Identification (IUID) for tracking and accounting for CLASS II, VII and IX assets, to meet DoD mandate. FY16 dollars will be used to replace the aging Radio Frequency Identification (RFID) readers across the MAJCOMs that support the visibility of in-transit visibility cargo for contingency operations. HHTs that have been field tested among a variety of Major Commands will be purchased for execution use to include accurate asset tracking of munitions in AF inventory. The AF AIT PO will continue to sustain and expand the Enterprise Data Collection Layer Architecture that enables the functional bar code Hand Held Terminals (HHTs) to exchange critical logistics data with AF Automated Information Systems (AISs). Functional AIT tools like Combat Ammunition System AIT, AIT Point of Maintenance and Automated Inventory and Management Tool (AIMT) will continue to be implemented at AF locations worldwide.</p> <p>PE 0801711F RECRUITING ACTIVITIES</p> <p>AIR FORCE RECRUITING AND INFORMATION SUPPORT SYSTEM - LEGACY (AFRISS-L):</p> <p>No FY16 funding requested</p> <p>PE 0804711F RECRUIT TRAINING UNITS</p> <p>BASIC MILITARY TRAINING (BMT) SURVEILLANCE SECURITY SYSTEM: FY16 funding sustains camera and computer equipment, service contract and MTI screening contract. Mitigates risk and secures the physical safety of ~36K Basic Military Trainees. Effectively target limited resources to deter, detect, dissuade and hold personnel accountable in all BMT facilities.</p> <p>PE 0804721F SERVICE ACADEMIES</p> <p>US AIR FORCE ACADEMY (USAFA): AIR FORCE ACADEMY COMPUTER SUPPORT: FY16 funds procure IT to upgrade performance, security, and availability of USAFA.MIL and USAFA.EDU to comply with AF Enterprise Architecture standards in order to support the AF Academy mission. FY16 funds procure IT integral to the operation of each network in support of the Air Force Academy mission.</p> <p>CADET ADMINISTRATION MANAGEMENT INFORMATION SYSTEM (CAMIS): FY16 funds also continue the modernization of CAMIS, which resides on the USAFAEDU domain. CAMIS is a cradle-to-grave system supporting all facets of student management including admissions, registrar, preparatory, academic, athletic, military training data from the candidate's initial application to graduation & commissioning and continuing through the military career of each cadet.</p> <p>PE 0804731F GENERAL SKILL TRAINING</p> <p>TECHNICAL TRAINING MANAGEMENT SYSTEM (TTMS): FY16 funding supports the primary requirement objectives currently under development: 1)Integration of Basic Training Management System (BTMS) capabilities and student records into the TTMS.</p> <p>PE 0804752F OTHER PROFESSIONAL EDUCATION</p>		

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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		P-1 Line Item Number / Title: 834010 / General Information Technology
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0207605F, 0207697F, 0208087F, 0303112F, 0305105F, 0305128F, 0305173F, 0305174F, 0604281F, 0702806F, 0708012F, 0804711F, 0804752F, 0804771F, 0901279F
<p>FY16 funding supports AFIT Lab Equipment: Laboratory Equipment procurement funding provides for: Satellite Communication Ground Stations, Cube Sat Flight Hardware, Space Thruster Measurement System, UHF High Frequency Stages, Time Resolved Particle Image Velocimetry System, Digiscan CL3 System for the AFIT clean room, Space Chromotomography Equipment, Space Electronics Laboratory, Laser Steering Mirror System, CTEEx Phantom Camera, Low Temp Flow System for EPR, Microwave Cavity B-field Sensor, Sample Load Lock System, Point Probe with ITO Reference Sample, Micro Thermal Imaging System, Circuit Failure Analysis Digital Microscope System, Pioneer Power-Bot AGV Robot, GPS Receivers, IMU and accessories, Dual-Output Programmable Power Supplies, and Scanning Electron Microscope equipment to support graduate student thesis and dissertations research.</p> <p>PE 0804771F SUPPORT OF THE TRAINING ESTABLISHMENT</p> <p>FY16 funds procure IT systems, services, and resources that comprise AU Enterprise ET/IT portfolio. The primary systems under AU IT are CDSAR, STARS, AUSIS, AUSRIS, AUREPM, and AUSMS. This portfolio provides enrollment, content delivery, and student administration capabilities critical to all AU resident and non-resident courses. At the Air Force level, A6 provides the system of record capability for all AF PME/PCE; a system crucial to ensuring a fully prepared (trained and educated) expeditionary force.</p> <p>PE 0901220F Personnel Administration:</p> <p>No FY16 funding Requested</p> <p>PE 0901279F FACILITIES OPERATION - ADMINISTRATIVE</p> <p>No FY16 funding requested</p> <p>PE 0901299F AF A1 SYSTEMS</p> <p>a. MILITARY PERSONNEL DATA SYSTEM (MIPDS): FY16 funding supports all AF Military Personnel Operations to include technology refresh for hardware supporting a variety of AF personnel applications such as: Automated Records Management Systems and Virtual Military Personnel Flight among others. Funding also supports MIPDS Federal Data Center Consolidation Initiative (FDDCI) compliance efforts</p> <p>b. AIR FORCE PERSONNEL CENTER (AFPC): FY16 funds support all infrastructure network IT systems supporting all A1 human resources located at AFPC. This includes all tech refresh and upgrades to foundational hardware IT system and support for A1/AFPC/AFPOA FDCCI compliance efforts.</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: Service Support to Other Core Missions - NORTHCOM				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
PE 0201110F SERVICE SUPPORT TO USNORTHCOM ACTIVITIES	A		-	-	-	-	-	0.306	-	-	0.476	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF			-	-	-	-	-	0.306	-	-	0.476	-	-	-	-	-	-	-	-	-
Subtotal: Uncategorized			-	-	-	-	-	0.306	-	-	0.476	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	0.306	-	-	0.476	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: US Northern Command Communications				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
INTEROPERABLE COMMUNICATION	A		-	-	-	-	-	0.079	-	-	0.088	-	-	0.581	-	-	-	-	-	0.581
Secondary Distribution																				
AF				-	-		-	0.079		-	0.088		-	0.581		-	-		-	0.581
DEPLOYABLE COMMUNICATIONS CAPABILITY SYSTEM LIFE CYCLE MANAGEMENT	A		-	-	-	-	-	2.883	-	-	2.909	-	-	2.336	-	-	-	-	-	2.336
Secondary Distribution																				
AF				-	-		-	2.883		-	2.909		-	2.336		-	-		-	2.336
EARLY WARNING RADAR (EWR) COMMUNICATIONS EQUIPMENT	A		-	-	-	-	-	2.083	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	2.083		-	-		-	-		-	-		-	-
Subtotal: Uncategorized			-	-	-	-	-	5.045	-	-	2.997	-	-	2.917	-	-	-	-	-	2.917
Total			-	-	-	-	-	5.045	-	-	2.997	-	-	2.917	-	-	-	-	-	2.917

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: ISR Innovations				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
(1). EAGLE VISION DATA ACQUISITION SYSTEM REFRESH/ CAPITAL EQUIPMENT REPLACEMENT	A		-	-	-	-	-	2.396	-	-	4.599	-	-	3.801	-	-	-	-	-	3.801
Secondary Distribution																				
AF				-	-		-	0.479		-	0.920		-	0.760		-	-		-	0.760
AFNG				-	-		-	1.917		-	3.679		-	3.041		-	-		-	3.041
AFR				-	-		-	-		-	-		-	-		-	-		-	-
(3). EAGLE VISION PROGRAM MANAGEMENT ADMINISTRATION (PMA)	A		-	-	-	-	-	1.032	-	-	1.079	-	-	0.950	-	-	-	-	-	0.950
Secondary Distribution																				
AF				-	-		-	1.032		-	1.079		-	0.950		-	-		-	0.950
Subtotal: Uncategorized			-	-	-	-	-	3.428	-	-	5.678	-	-	4.751	-	-	-	-	-	4.751
Total			-	-	-	-	-	3.428	-	-	5.678	-	-	4.751	-	-	-	-	-	4.751

Remarks:

Due to the lifecycle of commercial satellites, Eagle Vision must update the Next Generation system to retain the capability of downlinking imagery. As one commercial satellite constellation is decommissioned, Eagle Vision must procure hardware and software of a new satellite to allow for downlinking from the new satellite system.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: Combat Air Forces (CAF) Exercises and Readiness Training				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
COMBAT AIR FORCE EXERCISES AND READINESS TRAINING	A		-	-	-	-	-	0.166	-	-	0.201	-	-	0.164	-	-	-	-	-	0.164
Secondary Distribution																				
AF			-	-	-	-	-	0.166	-	-	0.201	-	-	0.164	-	-	-	-	-	0.164
Subtotal: Uncategorized			-	-	-	-	-	0.166	-	-	0.201	-	-	0.164	-	-	-	-	-	0.164
Total			-	-	-	-	-	0.166	-	-	0.201	-	-	0.164	-	-	-	-	-	0.164

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4						P-1 Line Item Number / Title: 834010 / General Information Technology									Aggregated Items Title: Wargaming and Simulation Centers				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
WARRIOR PREPARATION CENTER	A		-	-	-	-	-	0.447	-	-	0.711	-	-	0.594	-	-	-	-	-	0.594
Secondary Distribution																				
AF				-	-		-	0.447		-	0.711		-	0.594		-	-		-	0.594
Subtotal: Uncategorized			-	-	-	-	-	0.447	-	-	0.711	-	-	0.594	-	-	-	-	-	0.594
Total			-	-	-	-	-	0.447	-	-	0.711	-	-	0.594	-	-	-	-	-	0.594

Remarks:

These procurement funds serve to refresh and upgrade network systems for the command and control, warfighting, and support training systems at the tactical and operational levels of warfare. The equipment allows the WPC to lead USAFE toward full integration of live, virtual, and constructive capabilities and connectivity with our coalition partners. This effort is funded in PE 0207605F.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: Distributed Training and Exercises				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
DISTRIBUTED TRAINING AND EXERCISES	A		-	-	0.000	-	-	0.241	-	-	0.580	-	-	0.248	-	-	-	-	-	0.248
Secondary Distribution																				
AF				-	-		-	0.241		-	0.580		-	0.248		-	-		-	0.248
Subtotal: Uncategorized			-	-	0.000	-	-	0.241	-	-	0.580	-	-	0.248	-	-	-	-	-	0.248
Total			-	-	0.000	-	-	0.241	-	-	0.580	-	-	0.248	-	-	-	-	-	0.248

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4						P-1 Line Item Number / Title: 834010 / General Information Technology									Aggregated Items Title: AF OFFENSIVE CYBERSPACE OPERATIONS				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
CYBER WORKFORCE TRAINING	A		-	-	0.000	-	-	1.150	-	-	1.705	-	-	1.329	-	-	-	-	-	1.329
Secondary Distribution																				
AF				-	-		-	1.150		-	1.705		-	1.329		-	-		-	1.329
Subtotal: Uncategorized			-	-	0.000	-	-	1.150	-	-	1.705	-	-	1.329	-	-	-	-	-	1.329
Total			-	-	0.000	-	-	1.150	-	-	1.705	-	-	1.329	-	-	-	-	-	1.329

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: Air Force Communications (AIRCOM)				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
AIRBORNE NETWORKING INTEGRATION (OCO) (PE 0303112F)	A		-	-	-	-	-	-	3.857	1	3.857	-	-	-	-	-	3.953	-	-	3.953
Secondary Distribution																				
AF			-	-	-	-	-	-	-	1	3.857	-	-	-	-	-	3.953	-	-	3.953
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	3.857	-	-	-	-	-	3.953	-	-	3.953
Total			-	-	-	-	-	-	-	-	3.857	-	-	-	-	-	3.953	-	-	3.953

Remarks:

The ANGI FY15 OCO funding will engineer and field a consolidated airborne communications GIG entry point system. In addition, the funding will support Interim Contractor Support (ICS).

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4						P-1 Line Item Number / Title: 834010 / General Information Technology									Aggregated Items Title: DoD Cyber Crime Center				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total								
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)						
Uncategorized																										
DOD CYBER CRIME CENTER (DC3)	A		-	-	-	0.397	1	0.397	-	-	-	-	-	-	-	-	-	-	-	-						
Secondary Distribution																										
AF				-	-		1	0.397		-	-		-	-		-	-		-	-						
Subtotal: Uncategorized			-	-	-	-	-	0.397	-	-	-	-	-	-	-	-	-	-	-	-						
Total			-	-	-	-	-	0.397	-	-	-	-	-	-	-	-	-	-	-	-						

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: Security and Investigative Activities				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
OSI OPERATIONS	A		-	-	-	-	-	0.990	-	-	1.593	-	-	1.337	-	-	-	-	-	1.337
Secondary Distribution																				
AF				-	-		-	0.990		-	1.593		-	1.337		-	-		-	1.337
Subtotal: Uncategorized			-	-	-	-	-	0.990	-	-	1.593	-	-	1.337	-	-	-	-	-	1.337
Total			-	-	-	-	-	0.990	-	-	1.593	-	-	1.337	-	-	-	-	-	1.337

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: Space and Missile Test and Evaluation Center				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
RESEARCH AND DEVELOPMENT SPACE AND MISSILE OPERATIONS (RDSMO) (PE 0305173F)	A		-	-	-	-	-	1.038	-	-	1.683	-	-	1.435	-	-	-	-	-	1.435
Secondary Distribution																				
AF			-	-	-	-	1.038		-	1.683		-	1.435		-	-	-	-	-	1.435
Subtotal: Uncategorized			-	-	-	-	1.038		-	1.683		-	1.435		-	-	-	-	-	1.435
Total			-	-	-	-	1.038		-	1.683		-	1.435		-	-	-	-	-	1.435

Remarks:

FY14 Total Cost should be \$1.713M following realignment of \$0.675M from OAC 15 to OAC ET for MMSOC SBA requirement.

FY16: -\$0.310 for higher Department priorities; -\$0.009 for Non-Pay Inflation reduction

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4						P-1 Line Item Number / Title: 834010 / General Information Technology									Aggregated Items Title: Space Innovation, Integration and Rapid Technology Development				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total					
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)			
Uncategorized																							
Distributed Communications Architecture	A		-	-	0.000	-	-	0.514	-	-	0.782	-	-	1.000	-	-	-	-	-	1.000			
Secondary Distribution																							
AF				-	-		-	0.514		-	0.782		-	1.000		-	-		-	1.000			
Space Analysis Center	A		-	-	0.000	-	-	0.405	-	-	0.507	-	-	0.221	-	-	-	-	-	0.221			
Secondary Distribution																							
AF				-	-		-	0.405		-	0.507		-	0.221		-	-		-	0.221			
Subtotal: Uncategorized			-	-	0.000	-	-	0.919	-	-	1.289	-	-	1.221	-	-	-	-	-	1.221			
Total			-	-	0.000	-	-	0.919	-	-	1.289	-	-	1.221	-	-	-	-	-	1.221			

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: Service Support to USTRANSCOM				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total					
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)			
Uncategorized																							
COALITION MOBILITY SYSTEM JCTD	A		-	-	0.000	-	-	0.065	-	-	-	-	-	-	-	-	-	-	-				
Secondary Distribution																							
AF				-	-		-	0.065		-	-		-	-		-	-		-	-			
Subtotal: Uncategorized			-	-	0.000	-	-	0.065	-	-	-	-	-	-	-	-	-	-	-	-			
Total			-	-	0.000	-	-	0.065	-	-	-	-	-	-	-	-	-	-	-	-			

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: Tactical Data Networks Enterprise				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
c. TACTICAL DATA NETWORKS ENTERPRISE (PE 0604281F)	A		-	-	-	-	-	0.153	-	-	0.168	-	-	1.602	-	-	-	-	-	1.602
Secondary Distribution																				
AF			-	-	-	-	-	0.153	-	-	0.168	-	-	1.602	-	-	-	-	-	1.602
Subtotal: Uncategorized			-	-	-	-	-	0.153	-	-	0.168	-	-	1.602	-	-	-	-	-	1.602
Total			-	-	-	-	-	0.153	-	-	0.168	-	-	1.602	-	-	-	-	-	1.602

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: Acquisition and Management Support				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total								
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)						
Uncategorized																										
Acquisition and Management Support	A		-	-	-	-	-	0.076	-	-	-	-	-	-	-	-	-	-	-	-						
Secondary Distribution																										
AF				-	-		-	0.076		-	-		-	-		-	-		-	-						
Subtotal: Uncategorized			-	-	-	-	-	0.076	-	-	-	-	-	-	-	-	-	-	-	-						
Total			-	-	-	-	-	0.076	-	-	-	-	-	-	-	-	-	-	-	-						

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4									P-1 Line Item Number / Title: 834010 / General Information Technology						Aggregated Items Title: Logistics Support Activities				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total				
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)		
Uncategorized																						
GUNTER AIR FORCE BASE NETWORK SERVICES	A		-	-	0.000	-	-	0.492	-	-	1.277	-	-	-	-	-	-	-	-	-		
Secondary Distribution																						
AF				-	-		-	0.492		-	1.277		-	-		-	-		-	-		
Subtotal: Uncategorized			-	-	0.000	-	-	0.492	-	-	1.277	-	-	-	-	-	-	-	-	-		
Total			-	-	0.000	-	-	0.492	-	-	1.277	-	-	-	-	-	-	-	-	-		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: Joint Logistics Program - Total Asset Visibility				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total					
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)			
Uncategorized																							
Active Radio Frequency Identification	A		-	-	0.000	-	-	0.987	-	-	1.594	-	-	1.337	-	-	-	-	-	1.337			
Secondary Distribution																							
AF				-	-		-	0.987		-	1.594		-	1.337		-	-		-	1.337			
Passive Radio Frequency Identification	A		-	-	0.000	-	-	1.070	-	-	1.716	-	-	1.029	-	-	-	-	-	1.029			
Secondary Distribution																							
AF				-	-		-	1.070		-	1.716		-	1.029		-	-		-	1.029			
Item Unique Identification	A		-	-	0.000	-	-	1.421	-	-	2.279	-	-	1.913	-	-	-	-	-	1.913			
Secondary Distribution																							
AF				-	-		-	1.421		-	2.279		-	1.913		-	-		-	1.913			
Real Time Locating Systems	A		-	-	0.000	-	-	1.603	-	-	2.573	-	-	1.341	-	-	-	-	-	1.341			
Secondary Distribution																							
AF				-	-		-	1.603		-	2.573		-	1.341		-	-		-	1.341			
Subtotal: Uncategorized			-	-	0.000	-	-	5.081	-	-	8.162	-	-	5.620	-	-	-	-	-	5.620			
Total			-	-	0.000	-	-	5.081	-	-	8.162	-	-	5.620	-	-	-	-	-	5.620			

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: Recruiting Activities				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Air Force Recruiting and Information Support System - Legacy	A		-	-	-	0.838	1	0.838	0.991	1	0.991	-	-	-	-	-	-	-	-	
Secondary Distribution																				
AF			-	-	-		1	0.838		1	0.991	-	-	-	-	-	-	-	-	
Subtotal: Uncategorized			-	-	-	-	-	0.838	-	-	0.991	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	0.838	-	-	0.991	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4						P-1 Line Item Number / Title: 834010 / General Information Technology									Aggregated Items Title: Recruit Training Units				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
BMT Surveillance System	A		-	-	0.000	-	-	-	-	-	1.508	-	-	0.630	-	-	-	-	-	0.630
Secondary Distribution																				
AF				-	-		-	-		-	1.508		-	0.630		-	-		-	0.630
Subtotal: Uncategorized			-	-	0.000	-	-	-	-	-	1.508	-	-	0.630	-	-	-	-	-	0.630
Total			-	-	0.000	-	-	-	-	-	1.508	-	-	0.630	-	-	-	-	-	0.630

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: Service Academies				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
SERVICE ACADEMIES - USAFA	A		-	-	0.000	-	-	2.214	-	-	2.702	-	-	3.227	-	-	-	-	-	3.227
Secondary Distribution																				
AF			-	-	-	-	-	2.214	-	-	2.702	-	-	3.227	-	-	-	-	-	3.227
Subtotal: Uncategorized			-	-	0.000	-	-	2.214	-	-	2.702	-	-	3.227	-	-	-	-	-	3.227
Total			-	-	0.000	-	-	2.214	-	-	2.702	-	-	3.227	-	-	-	-	-	3.227

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: General Skill Training				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
GEN SKILL TRAINING	A		-	-	0.000	-	-	0.238	-	-	0.137	-	-	0.210	-	-	-	-	-	0.210
Secondary Distribution																				
AF				-	-		-	0.238		-	0.137		-	0.210		-	-	-	-	0.210
TECH TNG MANAGEMENT SYSTEM	A		-	-	0.000	-	-	0.105	-	-	0.281	-	-	0.245	-	-	-	-	-	0.245
Secondary Distribution																				
AF				-	-		-	0.105		-	0.281		-	0.245		-	-		-	0.245
Subtotal: Uncategorized			-	-	0.000	-	-	0.343	-	-	0.418	-	-	0.455	-	-	-	-	-	0.455
Total			-	-	0.000	-	-	0.343	-	-	0.418	-	-	0.455	-	-	-	-	-	0.455

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: Other Professional Education				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
OTHER PROFESSIONAL EDUCATION	A		-	-	0.000	-	-	0.355	-	-	0.429	-	-	0.357	-	-	-	-	-	0.357
Secondary Distribution																				
AF				-	-		-	0.355		-	0.429		-	0.357		-	-		-	0.357
Subtotal: Uncategorized			-	-	0.000	-	-	0.355	-	-	0.429	-	-	0.357	-	-	-	-	-	0.357
Total			-	-	0.000	-	-	0.355	-	-	0.429	-	-	0.357	-	-	-	-	-	0.357

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: Support of the Training Establishment				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
TRAINING SUPPORT	A		-	-	0.000	-	-	0.722	-	-	0.875	-	-	0.730	-	-	-	-	-	0.730
Secondary Distribution																				
AF				-	-		-	0.722		-	0.875		-	0.730		-	-		-	0.730
Subtotal: Uncategorized			-	-	0.000	-	-	0.722	-	-	0.875	-	-	0.730	-	-	-	-	-	0.730
Total			-	-	0.000	-	-	0.722	-	-	0.875	-	-	0.730	-	-	-	-	-	0.730

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: Personnel Administration				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Personnel Administration System Support	A		-	-	-	-	-	1.340	-	-	-	-	-	-	-	-	-	-	-	
Secondary Distribution																				
AF				-	-		-	1.340		-	-		-	-		-	-		-	-
Subtotal: Uncategorized			-	-	-	-	-	1.340	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	1.340	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: Facilities Operation - Administrative				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total						
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)				
Uncategorized																								
NexGen IT	A		-	-	-	-	-	2.661	-	-	0.500	-	-	-	-	-	-	-	-	-				
Secondary Distribution																								
AF				-	-		-	2.661		-	0.500		-	-		-	-		-	-				
Subtotal: Uncategorized			-	-	-	-	-	2.661	-	-	0.500	-	-	-	-	-	-	-	-	-				
Total			-	-	-	-	-	2.661	-	-	0.500	-	-	-	-	-	-	-	-	-				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834010 / General Information Technology							Aggregated Items Title: AF A1 Systems				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
PERSONNEL SERVICE DELIVERY	A		-	-	-	-	-	0.315	-	-	0.379	-	-	-	-	-	-	-	-	-
MILITARY PERSONNEL DATA SYSTEM (MILPDS)	A		-	-	-	-	-	0.770	-	-	0.907	-	-	0.600	-	-	-	-	-	0.600
REGIONALIZATION OF CIV PERS SUPPORT	A		-	-	-	-	-	1.391	-	-	1.664	-	-	-	-	-	-	-	-	-
AIR FORCE PERSONNEL CENTER	A		-	-	-	-	-	1.833	-	-	2.202	-	-	0.186	-	-	-	-	-	0.186
Subtotal: Uncategorized			-	-	-	-	-	4.309	-	-	5.152	-	-	0.786	-	-	-	-	-	0.786
Total			-	-	-	-	-	4.309	-	-	5.152	-	-	0.786	-	-	-	-	-	0.786

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects							P-1 Line Item Number / Title: 834040 / AF Global Command & Control Sys					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0303150F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	13.559	9.098	7.212	-	7.212	17.759	16.937	13.135	13.367	-	91.067
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	13.559	9.098	7.212	-	7.212	17.759	16.937	13.135	13.367	-	91.067
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	13.559	9.098	7.212	-	7.212	17.759	16.937	13.135	13.367	-	91.067
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Description: PE 0303150F GLOBAL COMMAND AND CONTROL SYSTEM												
GLOBAL COMMAND AND CONTROL SYSTEM AIR FORCE (GCCS-AF): The GCCS-AF program provides the common AF infrastructure hardware and software necessary to pass AF command and control (C2) data among commands, their components, and the joint GCCS. This program procures GCCS components which include, but are not limited to, servers, work stations, commercial-off-the-shelf (COTS) software, and associated peripherals to provide users with the full suite of joint baseline capability (including the common operating picture) and AF specific applications such as the Deliberate Crisis Action Planning and Execution Segments (DCAPES), and the AF's feed into the Joint Operations Planning and Execution System (JOPES). GCCS-AF is integrated at the following locations to establish initial and full joint connectivity and operational capability across the spectrum of intelligence, operations, manpower, and logistics: AF supported warfighting commanders, Headquarters United States Air Force, Major Command headquarters (MAJCOM), numbered air forces, wings, Air National Guard (ANG) bases, Air Force Reserve (AFR) bases, and remote sites. Each site will comply with current Air Force and Department of Defense (DoD) network initiatives by employing a standardized interface among AF base-level classified C2 networks, AF base-level network control centers, and the joint Defense Information Systems Agency Secret Internet Protocol Router Network. This program provides a flexible open system, distributed C2 architecture necessary to support the joint GCCS. GCCS supports AF operations by installing and upgrading a site's classified C2 system through extensive use of COTS technology that adheres to AF command and control, communications, and computer architectures and standards.												
The FY2016 funding request was reduced by \$5.133 million to account for the availability of prior execution balances.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects					P-1 Line Item Number / Title: 834040 / AF Global Command & Control Sys			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0303150F		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
GCCS-AF IMPLEMENTATION	P-40a	A	- / -	- / 8.396	- / 0.787	- / 0.279	- / -	- / 0.279
GCCS-AF IMPLEMENTATION (PROGRAM MANAGEMENT ADMINISTRATION)	P-40a	A	- / -	- / 3.508	- / 4.856	- / 3.930	- / -	- / 3.930
GCCS-AF IMPLEMENTATION (INTEGRATION AND INSTALLATION)	P-40a	A	- / -	- / 1.655	- / 3.455	- / 3.003	- / -	- / 3.003
Total Gross/Weapon System Cost			- / -	- / 13.559	- / 9.098	- / 7.212	- / -	- / 7.212
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
<p>Justification: PE 0303150F GLOBAL COMMAND AND CONTROL SYSTEM</p> <p>GLOBAL COMMAND AND CONTROL SYSTEM AIR FORCE (GCCS-AF): FY16 procurement funding procures various types and quantities of hardware and software in support of installation and unit mission requirements for Air Force personnel. These funds provide for the procurement and installation of GCCS-AF hardware and software (government-off- the-shelf and commercial-off-the-shelf) at warfighter Combatant Command (COCOM), MAJCOM, ANG, and AFR locations providing a full spectrum of command, control, logistics, and intelligence capability from strategic to unit level operations with total joint service connectivity. Funds replace logistically unsupportable MAJCOM C2 systems to accept advancements in the Air Force and joint GCCS software. The classified command and control infrastructure of MAJCOM C2 facilities (e.g. command posts) will be replaced by installing state-of-the-art components for improved integration, interoperability, data throughput, and system security required for Secret Internet Protocol Router Network (SIPRNET) connectivity. The procured application and database servers, enclave protection components, and end-user equipment support multiple existing and new sites and support the deployment of the DCAPEs application. The GCCS architecture supports functional users on each base and specifically incorporates manpower and logistics functions into GCCS. This fielding is consistent with the AF's Air Expeditionary Force (AEF) C2 structure and integration with DoD's emerging next generation joint C2 enabler.</p>								

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834040 / AF Global Command & Control Sys							Aggregated Items Title: AF GLOL COMMAND and CONTROL SYS				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
GCCS-AF IMPLEMENTATION	A		-	-	-	-	-	8.396	-	-	0.787	-	-	0.279	-	-	-	-	-	0.279
GCCS-AF IMPLEMENTATION (PROGRAM MANAGEMENT ADMINISTRATION)	A		-	-	-	-	-	3.508	-	-	4.856	-	-	3.930	-	-	-	-	-	3.930
GCCS-AF IMPLEMENTATION (INTEGRATION AND INSTALLATION)	A		-	-	-	-	-	1.655	-	-	3.455	-	-	3.003	-	-	-	-	-	3.003
Subtotal: Uncategorized			-	-	-	-	-	13.559	-	-	9.098	-	-	7.212	-	-	-	-	-	7.212
Total			-	-	-	-	-	13.559	-	-	9.098	-	-	7.212	-	-	-	-	-	7.212

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4	P-1 Line Item Number / Title: 834040 / AF Global Command & Control Sys	Aggregated Items Title: AF GLOL COMMAND and CONTROL SYS

Remarks:

GCCS-AF ANG and AFR Implementation lines have been zeroed out because ANG and AFRC do not have GR enclave suites, and maintain a few of the previously legacy Windows servers. They are now Client only sites, and point to Commands like AMC and USAFE for their GCCS capabilities/functionality. The next infrastructure release to any Command will be for GCCS-J GR 6.0 X86 (late FY15 and FY16), and ANG and AFRC are not slated for those new enclave suites.

With the \$5M cut projected in FY16 3080, we will be unable to field GCCS-J v6.0 to the following sites (critical sites marked with *):

*Headquarters Special Operations Command Central (HQ SOCCENT) - Deployed

*Headquarters U.S. Central Command (HQ USCENTCOM) - Deployed

*Air Force Targeting Center (AFTC), Langley AFB, VA

*20 Intelligence Squadron, Offutt AFB

*Raven Rock Mountain Complex (SITE R), PA AFISRA (AIA (NC)) "25th Air Force"

Air Education Training Command (AETC) Schoolhouse Headquarters Fourteenth Air Force (HQ 14AF) Western Air Defense Sector (WADS) Eastern Air Defense Sector (EADS) Air Force Space Command Center (AFSPC)

36th AEW

18th Wing

8th Fighter Wing

35th Fighter Wing

Headquarters Seventh Air Force (HQ 7AF)

Hawaii (HIRAOC)

Headquarters Fifth Air Force (HQ 5AF)

Headquarters Alaskan Command (HQ ALCOM/HQ 11AF)

GCCS-AF PMO is the AF's sole agent for fielding GCCS-J. As such, we must provide the hardware, software, and engineering expertise and manpower to field GCCS-J to all AF locations except AOCs as well as the 5 Combatant Commands that the AF is responsible for. Our purchase schedule is driven in part by DISA's fielding schedule for critical sites. Fielding to the critical sites is executed by DISA and we must provide the hardware and software to those sites in advance of Dis As fielding dates. In the past, DISA has fielded to critical sites in the 6 months following an FRR which means that we will need to begin providing hardware/software in early FY16.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects							P-1 Line Item Number / Title: 834070 / Mobility Command and Control					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	9.384	11.462	11.062	2.000	13.062	9.895	10.063	10.243	10.425	-	74.534
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	9.384	11.462	11.062	2.000	13.062	9.895	10.063	10.243	10.425	-	74.534
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	9.384	11.462	11.062	2.000	13.062	9.895	10.063	10.243	10.425	-	74.534
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Description:												
PE 0401840F MOBILITY COMMAND AND CONTROL:												
GLOBAL MOBILITY COMMAND AND CONTROL (C2) ARCHITECTURE AIR MOBILITY COMMAND (AMC): The AMC C2 architecture is an integrated, command-wide program that supports US Air Force airlift/air refueling missions around the globe with centralized control/decentralized execution. To execute America's Global Reach mission, Air Mobility Command's 618th Air Operations Center (AOC) plans, schedules, and directs a fleet of more than 1,300 mobility aircraft. The 618th AOC operates combat delivery, strategic airlift, air refueling, and aeromedical evacuation operations around the world.												
a. WING LOCAL AREA NETWORK (LAN): Wing LAN provides equipment in support of AMC's 618th AOC and its 12 bases for an enhanced, robust, and reliable command-wide intra-building wired and intra-base wireless networking infrastructure to support AMC's command and control (C2) systems to ensure they remain operational at AMC bases and operating locations. The Wing LAN infrastructure ensures connectivity with critical Air Force systems such as the Information Transport System (ITS), Global Combat Support System (GCSS) and the Global Decision Support System (GDSS); AMC's C2 systems such as the Consolidated Air Mobility Planning System (CAMPS) and Advanced Computer Flight Planning (ACFP) system and the infrastructure for Land Mobile Radio (LMR) systems across AMC providing intra-base command and control for base security, emergency management, flightline operations/maintenance, and crash response.												
b. DEPLOYED SATELLITE COMMUNICATIONS (DSATCOM): Provides C2 communications capabilities for deployed Mobility C2 forces and mission support team C2 operations. These operations rapidly install mission support communications at austere base locations where communications to support air mobility operations are nonexistent or insufficient. The DSATCOM program is the primary funding vehicle for procuring communications equipment supporting these components. The resources directly support C2 and In-Transit Visibility (ITV) of deployed and enroute personnel, aircraft, and cargo providing critical communications to Contingency Response Groups (CRGs). CRGs are self-sufficient groups of multi-skilled, highly-trained airmen, representing different Air Force specialty codes, who can rapidly deploy anywhere in the world with little notice to open air bases for any follow-on mission. The Hard-side Expandable Lightweight Air Mobile Shelter (HELAMS) is the primary weapon system providing this support. It is a rapidly deployable, self-contained C2/ITV command center. This shelter functions as the base command post during the initial phases of airbase build-up. It contains integrated communications equipment such as radios, computers, printers and fax machines.												
PE 0404011F SPECIAL OPERATIONS FORCES:												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		P-1 Line Item Number / Title: 834070 / Mobility Command and Control
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>Command and Control (C2) Air Rapid Response Kits (ARRKs) are tailored packages providing temporary base operating support (SOF living facilities, command and control (C2), armory, fuel storage, water purification, and cold weather protection), which allow Air Force special operations forces (AFSOFs) to perform expeditionary deployments to austere environments before conventional/service-common BOS packages become available</p> <p>PE 0408011F AFSOC SPECIAL TACTICS/COMMAND & CONTROL</p> <p>AFSOC TAC C2 program purchases enhanced communications systems and equipment essential for Special Tactics (ST) combat controllers, pararescue personnel, combat weather operators, and tactical air control parties to perform their mission. The ST operators use this equipment to gather and transmit assault zone suitability and weather data and to perform tactical airfield/assault landing/drop zone operations.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects					P-1 Line Item Number / Title: 834070 / Mobility Command and Control			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
WING LOCAL AREA NETWORK (LAN) - Network Infrastructure	P-40a	A	- / -	1 / 4.379	1 / 7.875	1 / 8.185	- / -	1 / 8.185
WING LOCAL AREA NETWORK (LAN) - Land Mobile Radio (LMR) Systems	P-40a	A	- / -	1 / 4.400	1 / 2.870	1 / 2.177	- / -	1 / 2.177
DEPLOYED SATELLITE COMMUNICATIONS (DSATCOM)	P-40a	A	- / -	1 / 0.300	1 / 0.350	2 / 0.700	- / -	2 / 0.700
MOBILITY AIR FORCE DISTRIBUTED MISSION OPERATIONS	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
Command and Control (C2) Air Rapid Response Kits (ARRKs)	P-40a	A	- / -	- / -	- / -	- / -	3 / 2.000	3 / 2.000
AFSOC TAC C2 Equipment	P-40a	A	- / -	1 / 0.305	1 / 0.367	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / -	- / 9.384	- / 11.462	- / 11.062	- / 2.000	- / 13.062
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
<p>Justification: PE 0401840F MOBILITY COMMAND AND CONTROL</p> <p>WING LOCAL AREA NETWORK (WING LAN): FY16 funding continues procurement of wired and wireless base network infrastructure equipment to include cabling, routers, bridges, hubs, repeaters and switches as well as LMR trunking systems to ensure information technology remains current and interoperability with AMC C2 systems is maintained to meet the needs of the warfighter and AMC's worldwide mobility mission.</p> <p>DEPLOYED SATCOM (DSATCOM): FY16 funding will be used to continue refurb/capital equipment replacement for the HELAM shelters.</p> <p>PE 0404011F SPECIAL OPERATIONS FORCES:</p> <p>FY16 OCO funds will buy three ARRKs, each of which consists of shelter/tent materials, generators, environmental control units, comm architecture/wiring, ancillary equipment, and tools.</p> <p>PE 0408011F AIR FORCE SPECIAL OPERATIONS COMMAND SPECIAL TACTICS COMMAND AND CONTROL (AFSOC TAC C2)</p> <p>No FY16 funding requested. Program funding moved to WSC 837100 Tactical Communications Electronics Equipment.</p>								

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834070 / Mobility Command and Control							Aggregated Items Title: AMC Command and Control System				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
WING LOCAL AREA NETWORK (LAN) - Network Infrastructure	A		-	-	-	4.379	1	4.379	7.875	1	7.875	8.185	1	8.185	-	-	-	8.185	1	8.185
WING LOCAL AREA NETWORK (LAN) - Land Mobile Radio (LMR) Systems	A		-	-	-	4.400	1	4.400	2.870	1	2.870	2.177	1	2.177	-	-	-	2.177	1	2.177
DEPLOYED SATELLITE COMMUNICATIONS (DSATCOM)	A		-	-	-	0.300	1	0.300	0.350	1	0.350	0.350	2	0.700	-	-	-	0.350	2	0.700
Subtotal: Uncategorized			-	-	-	-	-	9.079	-	-	11.095	-	-	11.062	-	-	-	-	-	11.062
Total			-	-	-	-	-	9.079	-	-	11.095	-	-	11.062	-	-	-	-	-	11.062

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834070 / Mobility Command and Control							Aggregated Items Title: Training				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total										
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)								
Uncategorized																												
MOBILITY AIR FORCE DISTRIBUTED MISSION OPERATIONS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834070 / Mobility Command and Control							Aggregated Items Title: Special Operations Forces				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total						
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)				
Uncategorized																								
Command and Control (C2) Air Rapid Response Kits (ARRKs)	A		-	-	-	-	-	-	-	-	-	-	-	-	0.667	3	2.000	0.667	3	2.000				
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.000	-	-	2.000				
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.000	-	-	2.000				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4						P-1 Line Item Number / Title: 834070 / Mobility Command and Control									Aggregated Items Title: SPECIAL TACTICS / COMBAT CONTROL				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
AFSOC TAC C2 Equipment	A		-	-	-	0.305	1	0.305	0.367	1	0.367	-	-	-	-	-	-	-	-	
Subtotal: Uncategorized			-	-	-	-	-	0.305	-	-	0.367	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	0.305	-	-	0.367	-	-	-	-	-	-	-	-	

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects							P-1 Line Item Number / Title: 834130 / Air Force Physical Security System					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0603287F, 0604287F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	43.238	37.426	131.269	-	131.269	72.381	60.575	61.381	62.468	-	468.738
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	43.238	37.426	131.269	-	131.269	72.381	60.575	61.381	62.468	-	468.738
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	43.238	37.426	131.269	-	131.269	72.381	60.575	61.381	62.468	-	468.738
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The Air Force (AF) Physical Security Systems program provides turnkey procurement, installation, integration, and acceptance testing of base defense physical security systems to protect aircraft, to include remotely pilot aircraft and infrastructure required to operate them, missiles, nuclear weapons, and other critical war fighting resources on more than 200 locations worldwide to include active AF, Air Force Reserve, and Air National Guard locations as well as numerous expeditionary, temporary, and semi-fixed locations. At some locations, the AF has a need to provide initial physical security systems. At other locations, there is a continuing need to upgrade and modernize existing physical security systems presently installed at fixed sites worldwide. These existing systems must be replaced or upgraded approximately every five years, depending on environmental conditions, type of sensor, and availability of spare parts due to technical obsolescence. The program funds modern security systems such as, but not limited to, Intrusion Detection Systems (IDS); Visual Detection and Assessment Systems (VDAS), ground surveillance radar systems; explosive detection systems; physical delay and/or denial systems; fence-mounted sensor systems which can include integration into an existing fence, refurbishment/replacement of an existing fence or initial installation of a fence/lighting/refurbishment/installation of lighting to support visuals assessment systems; access control systems; identity management systems; and annunciator/data fusion systems that provide comprehensive battle-space awareness. The program also funds night vision/reconnaissance, surveillance and target acquisition technologies required for Air Force Security Forces personnel to engage enemy forces twenty-four hours a day under conditions of degraded visibility due to darkness, adverse weather, battlefield obscurants, foliage and man-made structures. These devices enable near to long range target acquisition, identification and engagement to include significant fratricide reduction, which improves battlefield command and control 24/7 home station and combat operations. It focuses on technology that can bring an immediate improvement to the mounted/dismounted Airman's equipment. It develops or enhances equipment that provides the individual Airman day/night situational awareness and individual targeting capability as a complete weapon system; funds also support the use of investment equipment for major range and test facilities. Program funds are also used to pay for power and communication infrastructure and other IDS support requirements (e.g. HVAC for temperature control within server and annunciator control rooms). IDS are required for Protection Levels (PL) 1 - 4 assets and facilities (ex. AF aircraft parking areas). The program will respond to transient and on-going security threats and provide tactical, semi-permanent and fixed site security systems which may require design & engineering, installation, infrastructure and allied support, integration, acceptance testing, modeling and simulation, training, Multiple Integrated Laser Engagement System (MILES) Gear, and interim contractor support. This program also directly supports the Homeland Defense elements of antiterrorism, counterterrorism, critical infrastructure protection, intelligence, and consequence management. Other physical security delay/denial systems funded in this program include remotely operated mobile sensor systems to include directed energy weapons for force protection applications, non-lethal weapons, and remotely operated weapons mounting & fire control systems. This program also funds testing of physical security systems and equipment at various test locations. Provides Tactical and Expeditionary Security Systems (TESS) designed to provide deployable perimeter base defense worldwide. These Tactical & Expeditionary security systems employs sensors, assessment devices, alarm monitors, data communications links and power equipment to form a continuous electronic security envelope around critical resources and installation perimeters, improving the ability of Air Force (AF) Security Forces (SF) to see, understand and act first to defeat our enemies. Designs are modular and tailored to support any requirement and include line and wide area detection and assessment systems such as ground surveillance radar and unmanned ground/airborne surveillance systems.												
PE 0101122F AIR-LAUNCHED CRUISE MISSILE (ALCM)												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		P-1 Line Item Number / Title: 834130 / Air Force Physical Security System
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0603287F, 0604287F
<p>AIR LAUNCHED CRUISE MISSILE (ALCM) SECURITY SYSTEMS: Funds procurement of intrusion detection sensors, alarm annunciators, surveillance systems and related security system equipment needed to replace unsupportable, aging and obsolete ALCM security command and control systems/equipment.</p> <p>PE 0101213F MINUTEMAN SQUADRONS</p> <p>Minuteman Security Equipment: Funds procurement of intrusion detection sensors, alarm annunciators, and surveillance systems required to maintain and replace critical Minuteman warhead storage security command and control subsystems that can no longer be supported.</p> <p>PE 0207588F: AIR BASE GROUND DEFENSE (ABD)</p> <p>Air Force Tactical Security Equipment: The Tactical Automated Security System (TASS) is designed to be rapidly deployed to austere, temporary and semi-permanent locations in order to enforce circulation control, detect/assess intrusion attempts, and delay/deny hostile elements. When correctly configured, TASS will provide an additional layer of protection to deployed service members. The personnel and equipment provided by this program contributes to the overall Air Force antiterrorism/force protection program. It enhances security forces ability to provide rapid responses by building more deployable, flexible, and sustainable forces capable of operating from other than main operating bases to support sustained sortie generation and air operations. Tactical/Expeditionary capability provided through TASS will undergo modernization investment to address aging components in the systems that are becoming obsolete. The Tactical/Expeditionary equipment is required to provide robust force protection capabilities worldwide. Equipment includes, but is not limited to various personnel, vehicle and movement sensors; fixed and mobile alarm annunciation equipment; devices capable of providing all weather day/night remote visual assessment in fixed or 360 degree direction (PTZ); recordable CCTV; C3 nodes.</p> <p>PE 0207589F: BASE PHYSICAL SECURITY SYSTEM (BPSS)</p> <p>INTEGRATED BASE DEFENSE SECURITY SYSTEM (IBDSS): Reduces the risk to AF personnel; nuclear (PL-1N), and non-nuclear (PL1-4) assets (weapon systems, aircraft, command & control systems, etc.) and facilities (hangars, SCIFs, etc.) at AF, ANG, and AFR installations globally. DoD downsizing, reductions in forward basing, and aircraft technology advances evolved AF weapons systems into increasingly valuable national power projection capabilities. However, the security afforded most AF aircraft, weapon systems, other critical resources, and associated personnel and facilities in terms of equipment or manpower has not kept pace with the changing world environment, state-of-the-art technology and potential threats. The emergence of Remotely Piloted Aircraft (RPA) has led to additional command, control and communications nodes that require Protection Level security to enable effective Air Force power projection. Force Protection BPSS projects support long-term physical security requirements which allow security forces to adapt to and counter enduring and emerging threats to high priority to meet both BPSS and critical security requirements in accordance with the Aerospace Expeditionary Force concept. This continuing effort was previously named Base Physical Security Systems and is not a New Start.</p> <p>PE 0208047F ANTI-TERRORISM</p> <p>Tactical and Expeditionary Security Systems: This activity procures non-developmental solutions and Commercial-off-the-Shelf (COTS) technologies to satisfy requirements. Each system purchased costs in excess of \$250K/unit. Defense Biometrics Identification System (DBIDS) is fully accredited through the Department of Defense Information Assurance Certification and Accreditation Process and complies with Homeland Security Presidential Directives 6, 11, 12 and 24, and the Federal Information Processing Standard 201. DBIDS is already installed at more than 100 sites across the Air Force; this line funds procurement for the remaining required sites. Furthermore, targeted and rapid procurement/installation of TASS is often required to protect resources that have been evaluated as potentially soft targets for terrorist attacks. The system itself functions as an enrollment station for all personnel who require routine and short term access to installations. It collects biographic and biometric information and is capable of issuing locally produced credentials and temporary passes. DBIDS procurement and installation also supports the Ft Hood Report recommendation #31.4.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects					P-1 Line Item Number / Title: 834130 / Air Force Physical Security System				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0603287F, 0604287F			
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
AIR LAUNCHED CRUISE MISSILE (ALCM) SECURITY SYSTEMS	P-40a	A	- / -	- / 1.125	- / 1.989	- / 1.908	- / -	- / 1.908	
Minuteman Security Equipment	P-40a	A	- / -	- / 0.481	- / 0.850	- / 0.814	- / -	- / 0.814	
Air Force Tactical Security Equipment	P-40a	A	- / -	- / 2.947	- / 5.429	- / 15.598	- / -	- / 15.598	
INTEGRATED BASE DEFENSE SECURITY SYSTEM (IBDSS)	P-40a	A	- / -	- / 32.089	- / 19.582	- / 103.849	- / -	- / 103.849	
Tactical and Expeditionary Security Sysytems	P-40a	A	- / -	- / 6.596	- / 9.576	- / 9.100	- / -	- / 9.100	
Total Gross/Weapon System Cost			- / -	- / 43.238	- / 37.426	- / 131.269	- / -	- / 131.269	
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.									
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.									
Justification: PE 0101122F AIR-LAUNCHED CRUISE MISSILE (ALCM) AIR LAUNCHED CRUISE MISSILE (ALCM) SECURITY SYSTEMS: FY16 continues funding the replacement and integration of the perimeter and exterior/interior security system at WSAs. Funds provide security upgrade planning at various other WSAs and priority AF locations. PE 0101213F MINUTEMAN SQUADRONS Minuteman Security Equipment: FY16 funds procurement of intrusion detection sensors, alarm annunciators, and surveillance systems required to maintain and replace critical Minuteman warhead storage security command and control subsystems that can no longer be supported. PE 0207588F AIR BASE GROUND DEFENSE Air Force Tactical Security Equipment: FY16 funding will procure fixed site Intrusion Detection Systems (IDS),and Biometric Identification Systems (BIS) for Protection Levels (PL) 1/2/3/4 as well as automated, tactical/expeditionary equipment that is required to provide robust force protection capabilities worldwide; flight-line security, aircraft, intelligence, surveillance, and reconnaissance assets, and critical infrastructure, sustained sortie generation and air operations, advanced technology force multipliers to include: night vision and thermal imagery equipment, counter sniper/battery capabilities, ground weapons, target acquisition radar, interoperable tactical communications, [required C3 and protective standoff equipment for] wheeled tactical, [non-tactical], armored [and un-armored] vehicles, tactical sensors systems, and unit/personnel protective field equipment. The funds also provides for [initial] and sustainment [training] of security forces (CONUS,OCONUS, and in-place mobility) assigned to detect and defeat various threats directed against AF resources and personnel during peacetime contingencies and execution of war plans. FY16 also funds Expeditionary IDS for PL1/2/3/4 resources used at bare base, austere, temporary and semi-permanent locations. PE 0207589F: BASE PHYSICAL SECURITY SYSTEM (BPSS) INTEGRATED BASE DEFENSE SECURITY SYSTEM (IBDSS): FY16 funding is provided for procurement, design & engineering, modeling & simulation, infrastructure and allied support, installation, integration, training, acceptance testing, Interim Contractor Support (ICS) and interim spares for BPSS Intrusion Detection Systems (IDS). The funding also procures, installs and sustains a variety of electronic security alarms, sensors, and related systems to detect and provide early warning of potential threats against Air Force Protection Level (PL) I, II, and III mission critical assets. Funding also supports the Nuclear (PL-1N) Weapon Storage Areas (WSAs) located throughout the CONUS and vault storage areas at main operating bases in Europe to meet long tern physical security requirements in the face of enduring and emerging threats. This also includes modernization to maintain required capability for vault storage areas and associated intrusion detection, access control and assessment systems requirements, In Accordance With									

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		P-1 Line Item Number / Title: 834130 / Air Force Physical Security System
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0603287F, 0604287F
(IAW) USAF, EUCOM and NATO/SHAPE requirements. The FY15 funds also provide for upgrades, refurbishment, replacement or installation of new fences (required for sensor platforms) and/or lighting systems (to support the surveillance/assessment functions).		
PE 0208047F ANTI-TERRORISM		
Tactical and Expeditionary Security Sysytems: FY16 funds antiterrorism activities for the Air Force. Primarily, this line funds the Air Force's only perimeter installation access control system, the Defense Biometrics Identification System (DBIDS). This line also funds mitigation efforts for Air Force vulnerabilities identified in Air Force and Joint higher headquarters inspections and vulnerability assessments, procurement of intrusion detection systems which greatly enhance the effectiveness of AF antiterrorism program efforts to detect, deter, and defend service members, civilian employees, family members, facilities, and other AF resources around the globe against terrorist attacks.		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834130 / Air Force Physical Security System							Aggregated Items Title: Air-Launched Cruise Missile (ALCM)				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total					
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)			
Uncategorized																							
AIR LAUNCHED CRUISE MISSILE (ALCM) SECURITY SYSTEMS	A		-	-	-	-	-	1.125	-	-	1.989	-	-	1.908	-	-	-	-	-	1.908			
Subtotal: Uncategorized			-	-	-	-	-	1.125	-	-	1.989	-	-	1.908	-	-	-	-	-	1.908			
Total			-	-	-	-	-	1.125	-	-	1.989	-	-	1.908	-	-	-	-	-	1.908			

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834130 / Air Force Physical Security System							Aggregated Items Title: Minuteman Squadrons				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Uncategorized																					
Minuteman Security Equipment	A		-	-	-	-	-	0.481	-	-	0.850	-	-	0.814	-	-	-	-	-	0.814	
Subtotal: Uncategorized			-	-	-	-	-	0.481	-	-	0.850	-	-	0.814	-	-	-	-	-	0.814	
Total			-	-	-	-	-	0.481	-	-	0.850	-	-	0.814	-	-	-	-	-	0.814	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834130 / Air Force Physical Security System							Aggregated Items Title: Air Base Ground Defense				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Uncategorized																					
Air Force Tactical Security Equipment	A		-	-	-	-	-	2.947	-	-	5.429	-	-	15.598	-	-	-	-	-	15.598	
Subtotal: Uncategorized			-	-	-	-	-	2.947	-	-	5.429	-	-	15.598	-	-	-	-	-	15.598	
Total			-	-	-	-	-	2.947	-	-	5.429	-	-	15.598	-	-	-	-	-	15.598	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834130 / Air Force Physical Security System							Aggregated Items Title: Base Physical Security Systems				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Uncategorized																					
INTEGRATED BASE DEFENSE SECURITY SYSTEM (IBDSS)	A		-	-	-	-	-	32.089	-	-	19.582	-	-	103.849	-	-	-	-	-	103.849	
Subtotal: Uncategorized			-	-	-	-	-	32.089	-	-	19.582	-	-	103.849	-	-	-	-	-	103.849	
Total			-	-	-	-	-	32.089	-	-	19.582	-	-	103.849	-	-	-	-	-	103.849	

Remarks:

(1), This line is comprised of multiple procurement actions, and funds multiple procurement actions/purchases of tactical equipment for deployable logistic details.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834130 / Air Force Physical Security System							Aggregated Items Title: Antiterrorism				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Tactical and Expeditionary Security Sysytems	A		-	-	-	-	-	6.596	-	-	9.576	-	-	9.100	-	-	-	-	-	9.100
Subtotal: Uncategorized			-	-	-	-	-	6.596	-	-	9.576	-	-	9.100	-	-	-	-	-	9.100
Total			-	-	-	-	-	6.596	-	-	9.576	-	-	9.100	-	-	-	-	-	9.100

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects							P-1 Line Item Number / Title: 834190 / Combat Training Ranges					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items: 0207429F					Other Related Program Elements: 0207429F, 0604735F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	18.431	59.634	33.606	-	33.606	36.025	43.812	17.112	17.416	-	226.036
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	18.431	59.634	33.606	-	33.606	36.025	43.812	17.112	17.416	-	226.036
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	18.431	59.634	33.606	-	33.606	36.025	43.812	17.112	17.416	-	226.036
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>This program procures electronic telecommunication and instrumentation equipment and systems for training ranges worldwide. These systems provide real-time monitoring and control of aircrew air-to-air, air-to-ground, ground-to-air, and Electronic Warfare (EW) training along with the ability to record and play back events for aircrew debriefing and analysis. This program also procures weapons scoring systems and advanced threat simulator systems to satisfy EW training capability requirements. This P-1 line also procures ground subsystems for air combat training system (ACTS) P5 pods and the Target Control System (TCS) for target drones. This program ensures software interoperability among service ranges, the encryption of range/aircraft data links, and associated communication devices.</p> <p>PE 0207429F COMBAT TRAINING RANGE EQUIPMENT</p> <p>P5 COMBAT TRAINING SYSTEMS (P5CTS): This system provides the instrumentation to conduct air combat training in any available airspace worldwide and eliminates the need to fly over highly instrumented ground ranges. Ground subsystems include Fixed and Transportable Ground Systems (FGS/TGS) with and without live monitors, Portable Ground Systems (PGS), Range Remote Units (RRU), Ground Interface Modules (GIM), and Radiant Mercury (RM) cross-domain solutions to include acquisition, site activation, installation and training at Air Force Installations and Air National Guard (ANG) Combat Readiness installation centers.</p> <p>RANGE EQUIPMENT: This effort delivers range infrastructure and equipment. One such effort is the Joint Advanced Weapon Scoring System (JAWSS) program, which consists of Navy-developed scoring systems that upgrade the weapon (bombing and gunnery) and laser spot scoring on ranges. The equipment provide multiple new capabilities, to include scoring of day or night operations, production of a data stream with immediate displays, and results transmission to the pilot providing immediate feedback previously unavailable to aircrew. Other Electronic Warfare (EW) threat subsystems such as noise and spoofing jammers as well as radar and detection systems, communications infrastructure, data link connectivity and target shells will be procured in order to monitor and control an extended, realistic target environment for simulated ordnance delivery and aircrew training for airborne laser designators</p> <p>JOINT THREAT EMITTER (JTE): The Joint Threat Emitter is designed to train aircrews to survive in a combat environment against Surface-to-Air Missile (SAM) and Anti-Aircraft Artillery (AAA) threats. The JTE simulates SA-2, SA-3, SA-6, SA-13 and AAA threat signals which interact with the aircraft Radar Warning Receiver and Electronic Countermeasure system to provide realistic Electronic Warfare training environments for pilots and crewmembers. The JTE is intended to reduce range manpower and resource requirements by replacing legacy systems as they face increasing supportability issues. The JTE leverages Commercial-Off-The Shelf (COTS) where possible. The JTE system uses either a mobile command-and-control unit (MC2U) or a Fixed Command and Control Unit (FC2U). Funding will also be used to purchase services applicable to the acquisition, site activation and implementation of the ground system including range site surveys, installation and training.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects	P-1 Line Item Number / Title: 834190 / Combat Training Ranges
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items: 0207429F	Other Related Program Elements: 0207429F, 0604735F
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LEGACY SYSTEMS: This program procures replacement equipment for multiple obsolete legacy range threat systems (RTS) to extend their serviceable life. Legacy RTS including Miniature Multiple Threat Emitter System (Mini MUTES); Multiple Threat Emitter System (MUTES); Modular Threat Emitter (MTE); Tactical Range Threat Generator (TRTG); Unmanned Threat Emitter (UMTE), Common Electronic Attack Receiver, and band simulators and their associated mission support equipment/software.

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.

PE 0305116F AERIAL TARGETS

TARGET CONTROL SYSTEMS (TCS): Data Link System Replacement (DLSr) The current Data Link system units in use at Tyndall AFB contain many obsolete parts and are no longer repairable due to lack of replacement parts. Repairs are made today through cannibalization of other units currently in use or intended as backup units, and the population of these units is becoming depleted with less than 3 "full up spares" left. The DLSr will be compatible with legacy targets operation on the Tyndall range. The DLSr will integrate into current Gulf Range Drone Control System (GRDCS) system. The DLSr will be able to be remotely configured to function as a relay, master, or slave to better enable the dynamic weapon system evaluation program (WSEP) environment and incorporate advancements in targets such as the QF-16.

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

The FY2016 budget request was reduced by \$5.574 million to account for the availability of prior execution balances.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	18.431	59.634	32.956	-	32.956	1.217	3.184	3.326	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	0.650	-	0.650	2.434	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	18.431	59.634	33.606	-	33.606	3.651	3.184	3.326	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects				P-1 Line Item Number / Title: 834190 / Combat Training Ranges			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items: 0207429F			Other Related Program Elements: 0207429F, 0604735F	

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
JTE	P-5, P-5a		- / 0.000	- / 0.907	5 / 46.730	2 / 24.606	- / -	2 / 24.606
P5CTS	P-5		- / 0.000	- / 2.432	- / -	- / -	- / -	- / -
Range Equipment	P-5		- / -	- / 12.600	- / 9.850	- / -	- / -	- / -
1 / Combat Training Ranges Joint Threat Emitter (Service Life Extension)	P-3a		- / -	- / -	- / -	- / 2.000	- / -	- / 2.000
2 / Combat Training Ranges UMTE (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 7.000	- / -	- / 7.000
Target Control System	P-5		- / -	6 / 2.492	7 / 3.054	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 0.000	- / 18.431	- / 59.634	- / 33.606	- / -	- / 33.606

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
JTE	P-5, P-5a		- / -	- / -	- / -	- / -	- / -	- / -
P5CTS	P-5		- / -	- / -	- / -	- / -	- / -	- / -
Range Equipment	P-5		- / -	- / -	- / -	- / -	- / -	- / -
1 / Combat Training Ranges Joint Threat Emitter (Service Life Extension)	P-3a		- / 3.651	- / 3.184	- / 3.326	- / -	- / -	- / 12.161
2 / Combat Training Ranges UMTE (Capability Improvement)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 7.000
Target Control System	P-5		- / -	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 36.025	- / 43.812	- / 17.112	- / 17.416	- / -	- / 226.036

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:
PE0207429F COMBAT TRAINING RANGES

JOINT THREAT EMITTER (JTE): FY16 funding requested is to procure additional JTEs and the associated equipment supporting site activation, and JTE modification kits to replace obsolete components in fielded JTE systems.

P5 COMBAT TRAINING SYSTEMS (P5CTS): No FY16 funding requested.

RANGE EQUIPMENT: No FY16 funding requested.

LEGACY SYSTEMS: FY16 funding requested to modify the unmanned threat emitter (UMTE) to replace obsolete electronic attach receivers with the common electronic attach receiver (CEAR).

PE0305116F AERIAL TARGETS

TARGET CONTROL SYSTEMS (TCS): No FY16 funding requested.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force									Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4				P-1 Line Item Number / Title: 834190 / Combat Training Ranges					Item Number / Title [DODIC]: - / JTE									
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:											
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total					
Procurement Quantity (Units in Each)		-	-	5	2	-	2	-	-	-	-	-	-					
Gross/Weapon System Cost (\$ in Millions)		0.000	0.907	46.730	24.606	-	24.606	-	-	-	-	-	-					
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P1) (\$ in Millions)		0.000	0.907	46.730	24.606	-	24.606	-	-	-	-	-	-					
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Total Obligation Authority (\$ in Millions)		0.000	0.907	46.730	24.606	-	24.606	-	-	-	-	-	-					
(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 (\$ in Millions)		-	-	9.346	12.303	-	12.303	-	-	-	-	-	-					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - JTE Cost																		
Recurring Cost																		
Joint Threat Emitter (JTE) Units ^(†)	-	-	0.000	-	-	-	8.775	5	43.877	11.226	2	22.451	-	-	-	11.226	2	22.451
Subtotal: Recurring Cost	-	-	0.000	-	-	-	-	-	43.877	-	-	22.451	-	-	-	-	-	22.451
Subtotal: Hardware - JTE Cost	-	-	0.000	-	-	-	-	-	43.877	-	-	22.451	-	-	-	-	-	22.451
Package Fielding - JTE Cost																		
Non Recurring Cost																		
Joint Threat Emitter (JTE) Depot Standup	0.000	1	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Package Fielding - JTE Cost	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - JTE Cost																		
A&AS (PMA)	-	-	0.000	-	-	-	-	-	0.750	-	-	0.750	-	-	-	-	-	0.750
A&AS (DMS)	-	-	0.000	-	-	0.750	-	-	1.100	-	-	1.100	-	-	-	-	-	1.100
PMA	-	-	0.000	-	-	-	-	-	0.100	-	-	0.100	-	-	-	-	-	0.100
Support	-	-	-	-	-	0.157	-	-	0.903	-	-	0.205	-	-	-	-	-	0.205
Subtotal: Support - JTE Cost	-	-	0.000	-	-	0.907	-	-	2.853	-	-	2.155	-	-	-	-	-	2.155
Gross/Weapon System Cost	-	-	0.000	-	-	0.907	9.346	5	46.730	12.303	2	24.606	-	-	-	12.303	2	24.606

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Exhibit P-5, Cost Analysis: PB 2016 Air Force														Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4							P-1 Line Item Number / Title: 834190 / Combat Training Ranges							Item Number / Title [DODIC]: - / JTE				
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - JTE Cost																		
Recurring Cost																		
Joint Threat Emitter (JTE) Units ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - JTE Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package Fielding - JTE Cost																		
Non Recurring Cost																		
Joint Threat Emitter (JTE) Depot Standup	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Package Fielding - JTE Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - JTE Cost																		
A&AS (PMA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A&AS (DMS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - JTE Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution			FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020							
AF	Quantity		-	5	2	-	2	-	-	-	-							
	Total Obligation Authority		0.907	46.730	24.606	-	24.606	-	-	-	-							
Total: Secondary Distribution	Quantity		-	5	2	-	2	-	-	-	-							
	Total Obligation Authority		0.907	46.730	24.606	-	24.606	-	-	-	-							

^(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4				P-1 Line Item Number / Title: 834190 / Combat Training Ranges				Item Number / Title [DODIC]: - / JTE				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Joint Threat Emitter (JTE) Units		2015	Northrop Grumman Amherst Systems / Buffalo, NY	C / FFP	AFLCMC Hill AFB	Mar 2016	Feb 2018	5	8.775	N		
Joint Threat Emitter (JTE) Units		2016	Northrop Grumman Amherst Systems / Buffalo, NY	C / FFP	AFLCMC Hill AFB	Mar 2017	Feb 2019	2	11.226	N	Mar 2016	

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Exhibit P-5, Cost Analysis: PB 2016 Air Force								Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4				P-1 Line Item Number / Title: 834190 / Combat Training Ranges					Item Number / Title [DODIC]: - / P5CTS									
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:											
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total					
Procurement Quantity (Units in Each)		-	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Cost (\$ in Millions)		0.000	2.432	-	-	-	-	-	-	-	-	-	-					
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P1) (\$ in Millions)		0.000	2.432	-	-	-	-	-	-	-	-	-	-					
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Total Obligation Authority (\$ in Millions)		0.000	2.432	-	-	-	-	-	-	-	-	-	-					
(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 (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		
AIR COMBAT TRAINING SYSTEMS (ACTS) P-5 CTS GROUND SUBSYSTEMS (PE0207429F)	-	-	0.000	-	-	2.364	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.000	-	-	2.364	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Hardware End Item Cost	-	-	0.000	-	-	2.364	-	-	-	-	-	-	-	-	-	-	-	-
Package Fielding - PackageFielding End Item Cost																		
Recurring Cost																		
Site Survey/Site Setup/Training	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mission Support	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Package Fielding - PackageFielding End Item Cost	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Support End Item Cost																		
Site Activation/Installation	-	-	0.000	-	-	0.006	-	-	-	-	-	-	-	-	-	-	-	-
A&AS (PMA)	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A&AS (DMS)	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4						P-1 Line Item Number / Title: 834190 / Combat Training Ranges						Item Number / Title [DODIC]: - / P5CTS						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
PMA	-	-	0.000	-	-	0.062	-	-	-	-	-	-	-	-	-	-	-	-
Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Support End Item Cost	-	-	0.000	-	-	0.068	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	0.000	-	-	2.432	-	-	-	-	-	-	-	-	-	-	-	-
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		
AIR COMBAT TRAINING SYSTEMS (ACTS) P-5 CTS GROUND SUBSYSTEMS (PE0207429F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Hardware End Item Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package Fielding - PackageFielding End Item Cost																		
Recurring Cost																		
Site Survey/Site Setup/Training	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mission Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Package Fielding - PackageFielding End Item Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Support End Item Cost																		
Site Activation/Installation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A&AS (PMA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A&AS (DMS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Support End Item Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Air Force														Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4						P-1 Line Item Number / Title: 834190 / Combat Training Ranges						Item Number / Title [DODIC]: - / P5CTS						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution				FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020						
AF				-	-	-	-	-	-	-	-	-						
Quantity				-	-	-	-	-	-	-	-	-						
Total Obligation Authority				2.432	-	-	-	-	-	-	-	-						
Total:				-	-	-	-	-	-	-	-	-						
Secondary Distribution				2.432	-	-	-	-	-	-	-	-						
Quantity				-	-	-	-	-	-	-	-	-						
Total Obligation Authority				2.432	-	-	-	-	-	-	-	-						

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Exhibit P-5, Cost Analysis: PB 2016 Air Force										Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4				P-1 Line Item Number / Title: 834190 / Combat Training Ranges						Item Number / Title [DODIC]: - / Range Equipment								
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:											
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total					
Procurement Quantity (Units in Each)		-	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Cost (\$ in Millions)		-	12.600	9.850	-	-	-	-	-	-	-	-	-					
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P1) (\$ in Millions)		-	12.600	9.850	-	-	-	-	-	-	-	-	-					
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Total Obligation Authority (\$ in Millions)		-	12.600	9.850	-	-	-	-	-	-	-	-	-					
(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 (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Range Equipment Cost																		
Recurring Cost																		
Range Equipment	-	-	-	-	-	12.600	-	-	9.850	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	12.600	-	-	9.850	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Range Equipment Cost	-	-	-	-	-	12.600	-	-	9.850	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	12.600	-	-	9.850	-	-	-	-	-	-	-	-	-
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Range Equipment Cost																		
Recurring Cost																		
Range Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Range Equipment Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4			P-1 Line Item Number / Title: 834190 / Combat Training Ranges				Item Number / Title [DODIC]: - / Range Equipment			
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:					
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	12.600	9.850	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	12.600	9.850	-	-	-	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4	P-1 Line Item Number / Title: 834190 / Combat Training Ranges	Modification Number / Title: 1 / Combat Training Ranges Joint Threat Emitter

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	2.000	-	2.000	3.651	3.184	3.326	-	-	12.161
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	2.000	-	2.000	3.651	3.184	3.326	-	-	12.161
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	2.000	-	2.000	3.651	3.184	3.326	-	-	12.161
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Joint Threat Emitter (JTE) Modification kits update previously fielded system configurations to the Follow-on production hardware and software baseline to replace obsolete components, ensuring a single sustainment baseline at the end of Follow-on production effort. An Engineering Change Proposal will document the changes in parts to be upgraded by the modification kit. Modification kits will be backwards compatible with the previously fielded system baseline and will be capable of installation by level one operational maintenance personnel on site. The inventory of the previously fielded systems include: 4 Threat Emitter Units (TEU) with the Air National Guard and 13 TEUs with the Active Duty; 1 Wideband Threat Emitter Unit (WTEU) with the National Guard; 2 Fixed Command and Control Units (FC2U) with the National Guard and 6 FC2Us with the Active Duty; and 1 Mobile Command and Control Unit (MC2U) with the Active Duty. At the end of procurement all Air National Guard and Active Duty fielded equipment will be upgraded with this modification for a total of 27 modification kits delivered.

Milestone/Development Status

Modification kit drawing/specifications are deliverables of the JTE Follow-on Production contract. Government acceptance testing of the JTE first article is scheduled to complete in Dec 2015, and all drawings and documentation associated with the technical data package for the Follow-on Production baseline will be delivered in Feb 2016.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	1.350	-	1.350	1.217	3.184	3.326	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	0.650	-	0.650	2.434	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	2.000	-	2.000	3.651	3.184	3.326	-

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Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4				P-1 Line Item Number / Title: 834190 / Combat Training Ranges				Modification Number / Title: 1 / Combat Training Ranges Joint Threat Emitter				
Models of Systems Affected: Joint Threat Emitter				Modification Type: Service Life Extension				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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												
Modification Item 1 of 4: FC2U												
B Kits												
Recurring												
FC2U:EQUIPMENT Group B (Active)	- / -	- / -	- / -	1 / 0.047	- / -	1 / 0.047	1 / 0.037	2 / 0.082	2 / 0.086	- / -	- / -	6 / 0.252
FC2U:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.074	- / -	- / -	- / -	- / -	2 / 0.074
Subtotal: Recurring	- / -	- / -	- / -	- / 0.047	- / -	- / 0.047	- / 0.111	- / 0.082	- / 0.086	- / -	- / -	- / 0.326
Subtotal: FC2U	- / -	- / -	- / -	- / 0.047	- / -	- / 0.047	- / 0.111	- / 0.082	- / 0.086	- / -	- / -	- / 0.326
Modification Item 2 of 4: MC2U												
B Kits												
Recurring												
MC2U:EQUIPMENT Group B (Active)	- / -	- / -	- / -	1 / 0.250	- / -	1 / 0.250	- / -	- / -	- / -	- / -	- / -	1 / 0.250
Subtotal: Recurring	- / -	- / -	- / -	- / 0.250	- / -	- / 0.250	- / -	- / -	- / -	- / -	- / -	- / 0.250
Subtotal: MC2U	- / -	- / -	- / -	- / 0.250	- / -	- / 0.250	- / -	- / -	- / -	- / -	- / -	- / 0.250
Modification Item 3 of 4: TEU												
B Kits												
Recurring												
TEU:EQUIPMENT Group B (Active)	- / -	- / -	- / -	1 / 0.650	- / -	1 / 0.650	2 / 1.180	5 / 3.102	5 / 3.240	- / -	- / -	13 / 8.172
TEU:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	- / -	- / -	- / -	4 / 2.360	- / -	- / -	- / -	- / -	4 / 2.360
Subtotal: Recurring	- / -	- / -	- / -	- / 0.650	- / -	- / 0.650	- / 3.540	- / 3.102	- / 3.240	- / -	- / -	- / 10.532
Subtotal: TEU	- / -	- / -	- / -	- / 0.650	- / -	- / 0.650	- / 3.540	- / 3.102	- / 3.240	- / -	- / -	- / 10.532
Modification Item 4 of 4: WTEU												
B Kits												
Recurring												
WTEU:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	1 / 0.650	- / -	1 / 0.650	- / -	- / -	- / -	- / -	- / -	1 / 0.650
Subtotal: Recurring	- / -	- / -	- / -	- / 0.650	- / -	- / 0.650	- / -	- / -	- / -	- / -	- / -	- / 0.650
Subtotal: WTEU	- / -	- / -	- / -	- / 0.650	- / -	- / 0.650	- / -	- / -	- / -	- / -	- / -	- / 0.650
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / 1.597	- / -	- / 1.597	- / 3.651	- / 3.184	- / 3.326	- / -	- / -	- / 11.758
Support (All Modification Items)												
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / -	- / 0.403	- / -	- / 0.403	- / -	- / -	- / -	- / -	- / -	- / 0.403
Subtotal: Support	- / -	- / -	- / -	- / 0.403	- / -	- / 0.403	- / -	- / -	- / -	- / -	- / -	- / 0.403

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Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4				P-1 Line Item Number / Title: 834190 / Combat Training Ranges						Modification Number / Title: 1 / Combat Training Ranges Joint Threat Emitter			
Models of Systems Affected: Joint Threat Emitter				Modification Type: Service Life Extension						Related RDT&E PEs:			
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Installation													
<i>Subtotal: Installation</i>													
Total													
Total Cost (Procurement + Support + Installation)													
	-	-	-	2.000	-	2.000	3.651	3.184	3.326	-	-	12.161	

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Exhibit P-3a, Individual Modification: PB 2016 Air Force					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4			P-1 Line Item Number / Title: 834190 / Combat Training Ranges			Modification Number / Title: 1 / Combat Training Ranges Joint Threat Emitter	
Modification Item 1 of 4: FC2U							
Manufacturer Information							
Manufacturer Name: Northrup Grumman Amherst Systems				Manufacturer Location: Buffalo, NY			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 24			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Mar 2016	Mar 2017	Mar 2018	Mar 2019	
Delivery Dates			Mar 2018	Mar 2019	Mar 2020	Mar 2021	
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 8		

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Exhibit P-3a, Individual Modification: PB 2016 Air Force					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4			P-1 Line Item Number / Title: 834190 / Combat Training Ranges			Modification Number / Title: 1 / Combat Training Ranges Joint Threat Emitter	
Modification Item 2 of 4: MC2U							
Manufacturer Information							
Manufacturer Name: Northrup Grumman Amherst Systems				Manufacturer Location: Buffalo, NY			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 24			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Mar 2016	Mar 2017	Mar 2018	Mar 2019	
Delivery Dates			Mar 2018	Mar 2019	Mar 2020	Mar 2021	
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 1		

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Exhibit P-3a, Individual Modification: PB 2016 Air Force					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4			P-1 Line Item Number / Title: 834190 / Combat Training Ranges			Modification Number / Title: 1 / Combat Training Ranges Joint Threat Emitter	
Modification Item 3 of 4: TEU							
Manufacturer Information							
Manufacturer Name: Northrup Grumman Amherst Systems				Manufacturer Location: Buffalo, NY			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 24			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Mar 2016	Mar 2017	Mar 2018	Mar 2019	
Delivery Dates			Mar 2018	Mar 2019	Mar 2020	Mar 2021	
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 17		

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Exhibit P-3a, Individual Modification: PB 2016 Air Force					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4			P-1 Line Item Number / Title: 834190 / Combat Training Ranges			Modification Number / Title: 1 / Combat Training Ranges Joint Threat Emitter	
Modification Item 4 of 4: WTEU							
Manufacturer Information							
Manufacturer Name: Northrup Grumman Amherst Systems					Manufacturer Location: Buffalo, NY		
Administrative Leadtime (<i>in Months</i>): 0					Production Leadtime (<i>in Months</i>): 24		
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Mar 2016	Mar 2017	Mar 2018	Mar 2019	
Delivery Dates			Mar 2018	Mar 2019	Mar 2020	Mar 2021	
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 1		

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Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4	P-1 Line Item Number / Title: 834190 / Combat Training Ranges	Modification Number / Title: 2 / Combat Training Ranges UMTE

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	7.000	-	7.000	-	-	-	-	-	7.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	7.000	-	7.000	-	-	-	-	-	7.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	7.000	-	7.000	-	-	-	-	-	7.000
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The new Common electronic Attack Receiver (CEAR) replaces the obsolescent Electronic Attack Receiver (EAR) on the Unmanned Threat Emitter (UMTE) to provide real-time and recorded Electronic Warfare feedback to Combat Air Force aircrew, improving their survivability in anti-access/area denial combat environments. The CEAR will replace 30 fielded and soon to be obsolete legacy EAR assets.

Milestone/Development Status

Government acceptance testing of the CEAR prototype will complete in March 2015, and all drawings and documentation associated with the technical data package for the CEAR will be delivered in May 2015.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	7.000	-	7.000	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	7.000	-	7.000	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4					P-1 Line Item Number / Title: 834190 / Combat Training Ranges					Modification Number / Title: 2 / Combat Training Ranges UMTE			
Models of Systems Affected: Combat Training Range					Modification Type: Capability Improvement				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> CEAR													
B Kits													
Recurring													
CEAR:EQUIPMENT Group B (Active)	- / -	- / -	- / -	20 / 7.000	- / -	20 / 7.000	- / -	- / -	- / -	- / -	- / -	20 / 7.000	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 7.000	- / -	- / 7.000	- / -	- / -	- / -	- / -	- / -	- / 7.000	
<i>Subtotal: CEAR</i>	- / -	- / -	- / -	- / 7.000	- / -	- / 7.000	- / -	- / -	- / -	- / -	- / -	- / 7.000	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 7.000	- / -	- / 7.000	- / -	- / -	- / -	- / -	- / -	- / 7.000	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	7.000	-	7.000	-	-	-	-	-	7.000	

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Exhibit P-3a, Individual Modification: PB 2016 Air Force					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4			P-1 Line Item Number / Title: 834190 / Combat Training Ranges			Modification Number / Title: 2 / Combat Training Ranges UMTE	
Modification Item 1 of 1: CEAR							
Manufacturer Information							
Manufacturer Name: Unknown				Manufacturer Location: Unknown			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Mar 2016				
Delivery Dates			Mar 2016				
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 30		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force										Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4					P-1 Line Item Number / Title: 834190 / Combat Training Ranges					Item Number / Title [DODIC]: - / Target Control System								
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:											
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total					
Procurement Quantity (Units in Each)		-	6	7	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Cost (\$ in Millions)		-	2.492	3.054	-	-	-	-	-	-	-	-	-					
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P1) (\$ in Millions)		-	2.492	3.054	-	-	-	-	-	-	-	-	-					
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Total Obligation Authority (\$ in Millions)		-	2.492	3.054	-	-	-	-	-	-	-	-	-					
(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 (\$ in Millions)		-	0.415	0.436	-	-	-	-	-	-	-	-	-					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		
Data Link System-replacement	-	-	-	0.415	6	2.492	0.436	7	3.054	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	2.492	-	-	3.054	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Hardware End Item Cost	-	-	-	-	-	2.492	-	-	3.054	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	0.415	6	2.492	0.436	7	3.054	-	-	-	-	-	-	-	-	-
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		
Data Link System-replacement	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Hardware End Item Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4			P-1 Line Item Number / Title: 834190 / Combat Training Ranges				Item Number / Title [DODIC]: - / Target Control System			
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:					
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	6	7	-	-	-	-	-	-	-
	Total Obligation Authority	2.492	3.054	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	6	7	-	-	-	-	-	-	-
	Total Obligation Authority	2.492	3.054	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects						P-1 Line Item Number / Title: 834210 / Minimum Essential Emergency Comm N						
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items: 0303131F					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	1.289	5.232	-	5.232	200.572	131.169	40.799	24.972	-	404.033
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	1.289	5.232	-	5.232	200.572	131.169	40.799	24.972	-	404.033
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	1.289	5.232	-	5.232	200.572	131.169	40.799	24.972	-	404.033
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Description:												
Global Aircrew Strategic Network Terminal (Global ASNT) replaces inadequate, unsustainable strategic communications equipment at bomber, tanker and reconnaissance Wing Command Posts (WCPs), Nuclear Task Forces, Munitions Support Squadrons (MUNSS), and for Mobile Support Teams (MSTs). Global ASNT is a ground-based system that will provide survivable, secure communication paths to receive Emergency Action Messages (EAMs) and Force Management messages from Nuclear Command, Control, and Communication (NC3) nodes and disseminate them to bomber, tanker, and reconnaissance aircrews.												
Global ASNT is being fielded in separate capability increments.												
Increment 1 fields required Extremely High Frequency/Advanced Extremely High Frequency (EHF/AEHF) capabilities and replaces inadequate, unsustainable strategic mobile and fixed-site Single Channel Anti-jam Man-Portable (SCAMP) terminals.												
Increment 2 delivers an Aircrew Alerting System (AAS) consisting of pagers and klaxons, and High Frequency (HF) and Ultra High Frequency (UHF) capabilities. Increment 2 replaces Electromagnetic Pulse Hardened Dispersal Communication (EHDC) systems and Aircrew Alerting Communications Electromagnetic Pulse (AACE) systems.												
Increment 3 is planned to deliver a Very Low Frequency (VLF)/Low Frequency (LF) receive capability.												
Global ASNT will provide solutions to existing capability shortfalls for NC3 and is the last line of operational communications when all other peacetime links fail.												
Funding for this exhibit is contained in PE 0303131F.												
FY15 was the first year of Increment 1 procurement funding to support pre-production activities. The majority of pre-production support activities will be conducted in FY16 in advance of the Milestone C decision in 1QFY17.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		P-1 Line Item Number / Title: 834210 / Minimum Essential Emergency Comm N
ID Code (A=Service Ready, B=Not Service Ready) : B	Program Elements for Code B Items: 0303131F	Other Related Program Elements:

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects				P-1 Line Item Number / Title: 834210 / Minimum Essential Emergency Comm N				
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items: 0303131F			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Minimum Essential Emergency Comm N	P-5		- / -	- / -	- / 1.289	- / 5.232	- / -	- / 5.232
Total Gross/Weapon System Cost			- / -	- / -	- / 1.289	- / 5.232	- / -	- / 5.232
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:

FY2016 funds will support pre-production activities including preparation and planning for depot standup, engineering start-up, schedule preparation and planning, production configuration control and production roadmap activities.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4						P-1 Line Item Number / Title: 834210 / Minimum Essential Emergency Comm N						Item Number / Title [DODIC]: - / Minimum Essential Emergency Comm N						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity (Units in Each)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				-		-		1.289		5.232		-		5.232				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				-		-		1.289		5.232		-		5.232				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				-		-		1.289		5.232		-		5.232				
(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 (\$ in Millions)				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Support - Support End Item Cost																		
Global ASNT Terminals - Logistics/Sustainment Economic Analysis	-	-	-	-	-	-	-	-	0.574	-	-	-	-	-	-	-	-	-
Direct Mission Support (DMS)	-	-	-	-	-	-	-	-	0.500	-	-	4.834	-	-	-	-	-	4.834
Program Management Administrative (PMA)	-	-	-	-	-	-	-	-	0.215	-	-	0.398	-	-	-	-	-	0.398
Subtotal: Support - Support End Item Cost	-	-	-	-	-	-	-	-	1.289	-	-	5.232	-	-	-	-	-	5.232
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	1.289	-	-	5.232	-	-	-	-	-	5.232

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects						P-1 Line Item Number / Title: 834320 / C3 Countermeasures						
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	11.551	12.408	7.453	-	7.453	14.505	14.206	12.392	12.610	-	85.125
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	11.551	12.408	7.453	-	7.453	14.505	14.206	12.392	12.610	-	85.125
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	11.551	12.408	7.453	-	7.453	14.505	14.206	12.392	12.610	-	85.125
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The FY2016 funding request was reduced by \$4.296M to account for the availability of prior execution balances PE 0207439F ELECTRONIC WARFARE INTEGRATED REPROGRAMMING (EWIR) EWIR:DISTRIBUTED MISSION OPERATIONS AND THREAT ANALYSIS: The 453d Electronic Warfare Squadron (453 EWS) provides analytical capabilities and reachback support for DoD acquisition , planning and mission execution activities. These capabilities ensure electronic warfare (EW) systems and integrated combat platforms correctly recognize and respond to enemy, friendly and noncombatant systems operating within the electromagnetic environment. The effort also includes Electronic Warfare Integrated Reprogramming (EWIR). Funds used to procure specialized information technology systems used to identify electromagnetic spectrum emitter changes that impact combat defensive and electronic warfare systems and to conduct detailed analyses in support of operational mission planning, tactics, techniques and procedures (TTP) development, acquisition and test & evaluation. These analyses provide the means to understand the performance of their systems in hostile environments, directly impacting the survivability of combat-coded USAF aircraft and aircrews. PE 0208087F AF OFFENSIVE CYBERSPACE OPERATIONS Provides for the innovation, test, support and deployment of Cyberspace solutions in the form of material and non-material Cyberspace network attack tools and exploits for USAF Offensive Cyberspace Operations (OCO) to include but not limited to USAF OCO units, the Cyber Mission Forces, COCOMs, and other authorized agencies. Funding procures specialized hardware/software necessary for real time deployment, exploit identification, tool development, and testing in an environment simulating real-world operational infrastructures and enclaves. Funding also is used for the upgrade and modification of the USAF operated cyber test and training range, operated by the 346 Test Squadron under the 688 Cyber Wing PE 0208088F AF DEFENSIVE CYBERSPACE OPERATIONS Defensive Cyber Operations provides focused, agile cyber defense forces to provide mission assurance by maneuvering within high-value, mission Operation FREEDOM'S SENTINEL networks and systems to assure unobstructed successful operations.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		P-1 Line Item Number / Title: 834320 / C3 Countermeasures
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
FY2015 funding totals include \$0.90M appropriated for Overseas Contingency Operations		
PE 0208288F INTEL DATA APPLICATIONS		
Includes several subprograms: CONSTANT WEB, SENSOR SHADOW, Technical Electronic Intelligence (ELINT) Analytics/Tool Development and Operational Reconnaissance (Ops Recce) Capability, Analytics/Tool Development.		
*CONSTANT WEB is a database developed by the US Air Force's Intelligence Surveillance and Reconnaissance Agency (AFISRA) that contains information on both hostile and friendly C3 networks, units, and installations. It also provides limited criticality assessments of C3 elements.		
*SENSOR SHADOW is a Command and Control Warfare (C2W) and information tool designed to support strategic and operational planners. Funding provides upgrades of critical computers, processing systems, and infrastructure to support holistic Information Operations (IO) and nodal analysis in support of unique aspects of targeting that enables the shift from conventional to IW/C2W targeting.		
*Technical Electronic Intelligence (TechELINT) Analytics/Tool Development provides for the acquisition of new analytical software tools, storage and communications capability to allow the judicious processing, exploitation and dissemination of intercepted ELINT from US and allied systems.		
*Operational Reconnaissance (Ops Recce) Capability, Analytics/Tool Development provides for increased battlespace awareness through the use of sensors/platforms to achieve effects beyond what those sensors/platforms were originally designed.		
PE 0305881F RAPID CYBER ACQUISITION		
Rapid Cyber Acquisition (RCA) provides combatant commanders (CCDRs) with the ability to rapidly respond to emerging cyber needs. RCA provides rapid fielding of capabilities in three areas: defend the Air Force portion of the DoD Global Information Grid (GIG) in response to new and emerging threats; network attack and cyber exploit capabilities through all phases of warfare; and new cyber operations capabilities that address gaps to support evolving missions.		
Rapid Cyber Acquisition delivers cyber capabilities to 24th Air Force (24 AF) warfighters in mission-relevant timeframes. RCA also provides capabilities in support of US national security interests, to counter current and future cyber threats, and to enhance the nation's ability to operate in cyberspace.		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects					P-1 Line Item Number / Title: 834320 / C3 Countermeasures			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
ELECTRONIC WARFARE INTEGRATED REPROGRAMMING (EWIR)	P-40a	A	- / 0.000	1 / 1.441	1 / 1.301	1 / 0.902	- / -	1 / 0.902
OFFENSIVE CYBER OPERATIONS Support	P-40a	A	- / -	- / 8.297	- / 9.894	- / 6.332	- / -	- / 6.332
Defensive Cyber Operations Support	P-40a	A	- / -	- / -	- / 0.900	- / -	- / -	- / -
PE 0208288F INTEL DATA APPLICATIONS	P-40a	A	- / -	- / 0.261	- / 0.313	- / 0.219	- / -	- / 0.219
Rapid Cyber Acquisition	P-40a	A	- / -	- / 1.552	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / -	- / 11.551	- / 12.408	- / 7.453	- / -	- / 7.453
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
<p>Justification: PE 0207439F ELECTRONIC WARFARE INTEGRATED REPROGRAMMING (EWIR)</p> <p>ELECTRONIC WARFARE INTEGRATED REPROGRAMMING (EWIR): FY16 funds will be used to upgrade the electronic warfare (EW) Threat Change Analysis infrastructure and databases.</p> <p>PE 0208087F AF OFFENSIVE CYBERSPACE OPERATIONS</p> <p>OFFENSIVE CYBER OPERATIONS (INFORMATION OPERATIONS (IO) SUPPORT): FY16 funding procures computer, computer related memory storage, local and long-haul communications, infrastructure, and unique intelligence and analysis equipment.</p> <p>PE 0208088F AF DEFENSIVE CYBERSPACE OPERATIONS</p> <p>No FY16 funding requested</p> <p>PE 0208288F INTEL DATA APPLICATIONS</p> <p>FY16 funding procures equipment to support ground processing functions associated with airborne operations, provide threat simulator validation and intel database development, and provide tactical network indications/warning, intrusion analysis and threat signature development.</p> <p>PE 0305881F RAPID CYBER ACQUISITION</p> <p>No FY16 funding requested</p>								

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4						P-1 Line Item Number / Title: 834320 / C3 Countermeasures									Aggregated Items Title: Electronic Warfare Integrated Reprogramming (EWIR)				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
ELECTRONIC WARFARE INTEGRATED REPROGRAMMING (EWIR)	A		-	-	0.000	1.441	1	1.441	1.301	1	1.301	0.902	1	0.902	-	-	-	0.902	1	0.902
Subtotal: Uncategorized			-	-	0.000	-	-	1.441	-	-	1.301	-	-	0.902	-	-	-	-	-	0.902
Total			-	-	0.000	-	-	1.441	-	-	1.301	-	-	0.902	-	-	-	-	-	0.902

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834320 / C3 Countermeasures							Aggregated Items Title: C3 COUNTERMEASURES				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total							
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)					
Uncategorized																									
OFFENSIVE CYBER OPERATIONS Support	A		-	-	-	-	-	8.297	-	-	9.894	-	-	6.332	-	-	-	-	-	6.332					
Subtotal: Uncategorized			-	-	-	-	-	8.297	-	-	9.894	-	-	6.332	-	-	-	-	-	6.332					
Total			-	-	-	-	-	8.297	-	-	9.894	-	-	6.332	-	-	-	-	-	6.332					

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834320 / C3 Countermeasures							Aggregated Items Title: C3 COUNTERMEASURES				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Uncategorized																					
Defensive Cyber Operations Support	A		-	-	-	-	-	-	-	-	0.900	-	-	-	-	-	-	-	-		
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	0.900	-	-	-	-	-	-	-	-		
Total			-	-	-	-	-	-	-	-	0.900	-	-	-	-	-	-	-	-		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834320 / C3 Countermeasures							Aggregated Items Title: Intel Data Applications				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
PE 0208288F INTEL DATA APPLICATIONS	A		-	-	-	-	-	0.261	-	-	0.313	-	-	0.219	-	-	-	-	-	0.219
Subtotal: Uncategorized			-	-	-	-	-	0.261	-	-	0.313	-	-	0.219	-	-	-	-	-	0.219
Total			-	-	-	-	-	0.261	-	-	0.313	-	-	0.219	-	-	-	-	-	0.219

Remarks:
No input provided.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834320 / C3 Countermeasures							Aggregated Items Title: Rapid Cyber Acquisition				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Uncategorized																					
Rapid Cyber Acquisition	A		-	-	-	-	-	1.552	-	-	-	-	-	-	-	-	-	-	-		
Subtotal: Uncategorized			-	-	-	-	-	1.552	-	-	-	-	-	-	-	-	-	-	-		
Total			-	-	-	-	-	1.552	-	-	-	-	-	-	-	-	-	-	-		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects							P-1 Line Item Number / Title: 834410 / Integrated Personnel and Pay System					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0901250F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	3.976	-	3.976	2.961	-	-	-	-	6.937
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	3.976	-	3.976	2.961	-	-	-	-	6.937
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	3.976	-	3.976	2.961	-	-	-	-	6.937
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>The Air Force Integrated Personnel and Pay System (AFIPPS) will be a web enabled, Enterprise Resource Planning (ERP) solution providing integrated Total Force personnel and pay capabilities across the Air Force Active, Guard and Reserve Components. It will serve as the platform to enable Total Force Integration within Human Resource Management. The system represents the Air Force commitment to modernizing business practices and providing enhanced support for today's service members and their families. AFIPPS will align with Department of Defense (DoD) data standards for personnel, pay, and accounting, including the Common Human Resource Information Standards (CHRIS), which will ensure compliance with the Business Enterprise Architecture (BEA). The AFIPPS program will be bound by using the BEA Hire-to-Retire (H2R) construct. Eighty-four percent of the BEA's H2R activities are within the scope of AFIPPS.</p> <p>Funding for this effort was previously in the P-1 Line Item General Information Technology (WSC 834010). This is not a new start.</p> <p>Funding for this effort is in PE 0901250F.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects				P-1 Line Item Number / Title: 834410 / Integrated Personnel and Pay System				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0901250F		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
834410-Integrated Personnel & Pay System (PE 0901250F)	P-40a	A	- / -	- / -	- / -	- / 3.976	- / -	- / 3.976
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / 3.976	- / -	- / 3.976
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:
AFIPPS FY16 procurement dollars will procure Commercial-Off-The-Shelf (COTS) software necessary for the program to deliver/deploy Contract 2 / Release 1 [ARC-to-Mission (A2M)] capabilities for the AF Military Enterprise. This includes software licenses for production, training and Continuity of Operations (COOP) environments that support enabling fielding of a solution that supports approximately 620,000 users and provides scalability for future growth of users.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834410 / Integrated Personnel and Pay System							Aggregated Items Title: Integrated Personnel and Pay System				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
834410-Integrated Personnel & Pay System (PE 0901250F)	A		-	-	-	-	-	-	-	-	-	-	-	3.976	-	-	-	-	-	3.976
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	3.976	-	-	-	-	-	3.976
Total			-	-	-	-	-	-	-	-	-	-	-	3.976	-	-	-	-	-	3.976

Remarks:

AFIPPS supports the Total Force (Regular AF, AF Reserves, and Air National Guard)

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects	P-1 Line Item Number / Title: 834430 / GCSS-AF Fos
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0708012F
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Line Item MDAP/MAIS Code: 221	Item MDAP/MAIS Code(s):
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	12.675	3.670	25.515	-	25.515	8.001	8.124	8.970	9.125	-	76.080
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	12.675	3.670	25.515	-	25.515	8.001	8.124	8.970	9.125	-	76.080
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	12.675	3.670	25.515	-	25.515	8.001	8.124	8.970	9.125	-	76.080

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Global Combat Support System (GCSS) is a family of information technology systems that provide integration and interoperability between combat support functions and command and control to support the operational needs of the warfighter. It directly supports Command, Control, Communication, Computers, and Information (C4I) for the warfighter and Chairman Joint Chiefs of Staff (CJCS) Joint Vision 2020. The GCSS-Air Force Family of Systems (FOS) includes standard base-level combat support applications which provide warfighters with a "one update-one time" processing environment. The following systems provide the key support foundation for the Air Force's global engagement strategy and evolution to DoD Joint Information Environment (JIE) leveraging Core Data Centers (CDCs) and DISA-brokered cloud capabilities through GCSS-AF.

PE 0303141F GLOBAL COMBAT SUPPORT SYSTEM

GLOBAL COMBAT SUPPORT SYSTEM-AIR FORCE (GCSS-AF): This program element encompasses GCSS-AF's Integration Framework and its presentation layer for operational users. This infrastructure and provided Air Force enterprise common services are a critical basis for the target common computing environment (CCE) effort which Air Force Guidance Memorandum has directed for all new and modernizing IT applications. This effort is the Air Force evolution to DoD Joint Information Environment (JIE) leveraging Core Data Centers (CDCs) and DISA-brokered cloud capabilities in compliance with the Air Force Information Technology (AF IT) baselines. This framework is a set of baseline-driven platform and infrastructure services in both physical and virtual hosting environments. It is comprised of development tools, an initial set of enterprise services, and governance processes critical to JIE management. As the customer interfaces on GCSS-AF, the presentation layer provides the worldwide standard security and single sign-on for accessing a variety of functional systems. The framework uses additional security features of Public Key Infrastructure (PKI) and AF Directory Services, negating duplication of security features in each of the functional systems being modernized within the GCSS-AF Family of Systems (FoS). This effort procures application, security, web, and proxy servers, software and associated licenses, and engineering support.

Funding for this exhibit contained in PE 0303141F.

PE 0708012F LOGISTICS SUPPORT ACTIVITY

CARGO MOVEMENT OPERATIONS SYSTEM (CMOS): CMOS supports base-level and theater distribution management. More than 235 Air Force, Marine Corps, Navy, Army, NSA, and DCMA activities employ CMOS through its web-based and deployable configurations. CMOS continues to provide effective traffic management support to the warfighter for both peacetime and contingency operations. CMOS prepares and manages all movement documentation, electronically interfaces with shippers, commercial carriers, and receiving activities, and provides bar code/radio frequency identification (RFID) capability.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		P-1 Line Item Number / Title: 834430 / GCSS-AF Fos
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0708012F
Line Item MDAP/MAIS Code: 221	Item MDAP/MAIS Code(s):	
It provides in-transit visibility to DOD and commercial carriers, aids planning and managing force deployment, and supports the deployed Air and Space Expeditionary Force (AEF) warfighter through deployable and standard CMOS architectures.		
Funding for this exhibit contained in PE 0708012F.		
PE 0708610F LOGISTICS INFORMATION TECHNOLOGY (LOGIT)		
Financial Improvement Audit Readiness (FIAR) and Software Upgrades: The remediation and modification of core logistics systems is necessary for the Air Force to meet statutory Financial Improvement Audit Readiness (FIAR) by 2017 and align with the Joint Chiefs of Staff J-4 Concept for Logistics and the Air Force Logistics Board's approved Enterprise Logistics Strategy (ELS). The Air Force planned for ECSS to subsume most of the Service's core logistics systems upon fielding and therefore placed them in barebones reduced maintenance status during the ECSS program. Due to the cancellation of ECSS, the Air Force must sustain and modernize these systems through both FIAR Remediation, to address the most immediate gaps in meeting FIAR by the 2017 statutory deadline, and Software Upgrades, to reduce high operating costs, implement previously deferred statutory compliance requirements and improve near term system performance.		
Systems contained in these business areas include, but are not limited to, the Air Force Equipment Management System (AFEMS), Integrated Maintenance Data System (IMDS), Reliability and Maintainability Information System (REMIS), Combat Ammunitions System (CAS), Enhanced Maintenance Operations Center (EMOC), Aircraft Structural Integrity Management Information System (ASIMIS), Integrated Logistics System-Supply (ILS-S), Cargo Movement Operations System (CMOS), Stock Control System (SCS), Purchase Request Process System (PRPS), Automated Logistics Management Support System (ALMSS), Depot Maintenance Accounting and Production System (DMAPS), Enhanced Technical Information Management System (ETIMS), and Weapon System Management Information System (WSMIS).		
Transformation: The Air Force must transform its logistics business processes and transition away from using numerous stovepipe systems and process flows that execute the same tasks. Eliminating process redundancies across the logistics enterprise will enable the Air Force to execute more efficient, cost-effective and integrated logistics in the long term. The objective of Transformation is to conduct business process reengineering (BPR) to identify and eliminate overlaps in our current processes and where appropriate, implement the use of new information technology systems. The Air Force Service Development and Delivery Process (SDDP) is being applied as part of this BPR effort to apply discipline and focus to the task of process reengineering and requirements development in order to reduce risk and successfully transform logistics IT systems. In the SDDP, the requirements definition, architecture and design for an IT capability is a government-owned process. The SDDP ensures the AF end user and Sponsor consider all possible doctrine, organization, training, material, leadership, personnel and facility (DOTMLPF) solutions to the end user's need/problem before a materiel solution is sought. The SDDP is a six-step process, each step with its own specific product outcomes that serve as the basis for downstream activities in the SDDP and facilitating enterprise level analysis to maximize reuse of existing capabilities. Maximizing reuse will eliminate duplicate implementation actions across the Air Force and assure individual user problems or needs are not solved at the cost of overall enterprise benefits. The outcome of using the SDDP is a well-described requirement which may include a materiel solution, in which case the SDDP details the acquisition and implementation activities to support delivery of the capability. Alternatively, success may be demonstrated by the resolution of the user's problem without a materiel solution.		
The Air Force logistics enterprise is comprised of multiple overarching functional areas, to include maintenance, repair and overhaul, end-to-end supply chain support, base supply inventories, and predictive analysis and forecasting. The Air Force will standardize its business processes within each major logistics functional area through Transformation Capability Initiatives (CI). Transformation CIs include, but are not limited to: Maintenance, Repair and Overhaul (MROi), Supply Chain Management (SCM), and Product Lifecycle Management (PLM).		
Funding for this exhibit contained in PE 0708610F.		
PE 0901538 FINANCIAL MGMT INFO SYS DEVELOPMENT		
DEFENSE ENTERPRISE ACCOUNTING AND MANAGEMENT SYSTEM (DEAMS) Increment 1: To enhance transparency, DEAMS Other Procurement Air Force (OPAF) funding in Weapon System Code (WSC) 834430, Global Combat Support System - Air Force Family of Systems (GCSS-AF FOS) will end in FY 2014. Starting in FY 2015, DEAMS OPAF funding requests will be shown in WSC 834470, DEAMS.		
DEAMS Inc 1 is a commercial-off-the-shelf (COTS) Oracle based software implementation effort that will provide an auditable modern accounting and finance system. DEAMS is a Joint AF and United States		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		P-1 Line Item Number / Title: 834430 / GCSS-AF Fos
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0708012F
Line Item MDAP/MAIS Code: 221	Item MDAP/MAIS Code(s):	
<p>Transportation Command (USTRANSCOM) Enterprise Resource Planning (ERP) Program that will replace existing accounting and finance legacy systems and will provide core funds execution management functions consistent with financial management laws, regulations and policy, general ledger, funds management, payments, receivables, cost and revenues, and fiduciary reporting. DEAMS is compliant with the Clinger-Cohen Act, Business Enterprise Architecture (BEA), and integrates into Global Combat Support System-Air Force (GCSS-AF).</p> <p>In 2014, DEAMS Inc 2 activities were incorporated into DEAMS Inc 1 to expedite deployment to operational locations and users.</p> <p>DEAMS Inc 1 capability is currently deployed to 14 locations and being used by ~3,000 users. In FY 2015-2017, DEAMS Inc 1 capability will continue to be deployed to additional locations and users.</p> <p>Funding for this exhibit contained in PE 0901538F.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects					P-1 Line Item Number / Title: 834430 / GCSS-AF Fos			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0708012F		
Line Item MDAP/MAIS Code: 221		Item MDAP/MAIS Code(s):						
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
GLOBAL COMBAT SUPPORT SYSTEM	P-40a	A	- / -	1 / 3.038	- / -	- / -	- / -	- / -
CARGO MOVEMENT OPERATIONS SYSTEM	P-40a	A	- / 0.000	- / 0.696	- / 0.696	- / 0.796	- / -	- / 0.796
Logistics IT Systems Modernization	P-40a	A	- / -	- / 3.000	- / 2.974	- / 24.719	- / -	- / 24.719
FINANCIAL MANAGEMENT INFORMATION SYSTEM	P-40a	A	- / -	- / 5.941	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 0.000	- / 12.675	- / 3.670	- / 25.515	- / -	- / 25.515
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
<p>Justification: PE 0303141F GLOBAL COMBAT SUPPORT SYSTEM</p> <p>No FY16 funding requested.</p> <p>PE 0708012F LOGISTICS SUPPORT ACTIVITY</p> <p>CARGO MOVEMENT OPERATIONS SYSTEM (CMOS): CMOS supports base-level and theater distribution management. More than 235 Air Force, Marine Corps, Navy, Army, NSA, and DCMA activities employ CMOS through its web-based and deployable configurations. CMOS continues to provide effective traffic management support to the warfighter for both peacetime and contingency operations. CMOS prepares and manages all movement documentation, electronically interfaces with shippers, commercial carriers, and receiving activities, and provides bar code/radio frequency identification (RFID) capability. It provides in-transit visibility to DOD and commercial carriers, aids planning and managing force deployment, and supports the deployed Air and Space Expeditionary Force (AEF) warfighter through deployable and standard CMOS architectures.</p> <p>PE 0708012F LOGISTICS SUPPORT ACTIVITY</p> <p>CARGO MOVEMENT OPERATIONS SYSTEM: FY16 procurement dollars procure different types/amounts of hardware in support of installation and unit mission requirements for Joint personnel. These funds replace hardware and updates software and licensing to support the sustainment posture for contingency operations, and buy various mixes of hardware, software, and licensing for 60 new sites. Hardware replacement mitigates increased capability demands on older platforms and supports deployable CMOS hardware and associated Automatic Identification Technology (AIT).</p> <p>PE 0708610F LOGISTICS INFORMATION TECHNOLOGY (LOGIT)</p> <p>The Air Force must remediate and modify a number of core logistics IT systems to meet statutory Financial Improvement Audit Readiness (FIAR) requirements by 2017 and align with the Joint Chiefs of Staff J-4 Concept for Logistics and the Air Force Logistics Board's approved Enterprise Logistics Strategy (ELS). Hardware and software purchases are part of necessary updates that will reduce future maintenance costs.</p> <p>PE 0901538F FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT</p> <p>No FY 16 funding requested.</p>								

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834430 / GCSS-AF Fos							Aggregated Items Title: Global Combat Support System				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Uncategorized																					
GLOBAL COMBAT SUPPORT SYSTEM	A		-	-	-	3.038	1	3.038	-	-	-	-	-	-	-	-	-	-	-		
Subtotal: Uncategorized			-	-	-	-	-	3.038	-	-	-	-	-	-	-	-	-	-	-		
Total			-	-	-	-	-	3.038	-	-	-	-	-	-	-	-	-	-	-		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834430 / GCSS-AF Fos							Aggregated Items Title: Logistics Support Activities				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total							
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)					
Uncategorized																									
CARGO MOVEMENT OPERATIONS SYSTEM	A		-	-	0.000	-	-	0.696	-	-	0.696	-	-	0.796	-	-	-	-	-	0.796					
Subtotal: Uncategorized			-	-	0.000	-	-	0.696	-	-	0.696	-	-	0.796	-	-	-	-	-	0.796					
Total			-	-	0.000	-	-	0.696	-	-	0.696	-	-	0.796	-	-	-	-	-	0.796					

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834430 / GCSS-AF Fos							Aggregated Items Title: Logistics Information Technology (LOGIT)				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Uncategorized																					
Logistics IT Systems Modernization	A		-	-	-	-	-	3.000	-	-	2.974	-	-	24.719	-	-	-	-	-	24.719	
Subtotal: Uncategorized			-	-	-	-	-	3.000	-	-	2.974	-	-	24.719	-	-	-	-	-	24.719	
Total			-	-	-	-	-	3.000	-	-	2.974	-	-	24.719	-	-	-	-	-	24.719	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4								P-1 Line Item Number / Title: 834430 / GCSS-AF Fos							Aggregated Items Title: Financial Management Information Systems Development				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total						
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)				
Uncategorized																								
FINANCIAL MANAGEMENT INFORMATION SYSTEM	A		-	-	-	-	-	5.941	-	-	-	-	-	-	-	-	-	-	-	-				
Subtotal: Uncategorized			-	-	-	-	-	5.941	-	-	-	-	-	-	-	-	-	-	-	-				
Total			-	-	-	-	-	5.941	-	-	-	-	-	-	-	-	-	-	-	-				

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs							P-1 Line Item Number / Title: 834470 / Defense Enterprise Accounting and Mgmt System					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	15.298	9.255	-	9.255	-	-	-	-	-	24.553
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	15.298	9.255	-	9.255	-	-	-	-	-	24.553
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	15.298	9.255	-	9.255	-	-	-	-	-	24.553
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description: Defense Enterprise Accounting and Management System Increment 1 (DEAMS Inc 1).</p> <p>To enhance transparency, DEAMS Other Procurement Air Force (OPAF) funding in Weapon System Code (WSC) 834430, Global Combat Support System - Air Force Family of Systems (GCSS-AF FOS) will end in FY 2014. Starting in FY 2015, DEAMS OPAF funding requests will be shown in WSC 834470, DEAMS.</p> <p>DEAMS Inc 1 is a commercial-off-the-shelf (COTS) Oracle based software implementation effort that will provide an auditable modern accounting and finance system. DEAMS is a Joint AF and United States Transportation Command (USTRANSCOM) Enterprise Resource Planning (ERP) Program that will replace existing accounting and finance legacy systems and will provide core funds execution management functions consistent with financial management laws, regulations and policy, general ledger, funds management, payments, receivables, cost and revenues, and fiduciary reporting. DEAMS is compliant with the Clinger-Cohen Act, Business Enterprise Architecture (BEA), and integrates into Global Combat Support System-Air Force (GCSS-AF).</p> <p>In 2014, DEAMS Inc 2 activities were incorporated into DEAMS Inc 1 to expedite deployment to operational locations and users.</p> <p>DEAMS Inc 1 is planned as an eight-release program:</p> <p>Release 1 - Air Mobility Command (AMC) without Transportation Working Capital Funds (TWCF) Release 2 - AMC with TWCF, Defense Finance and Accounting Service (DFAS) Rome Release 3 - Air Combat Command (ACC), Air Force Global Strike Command (AFGSC), Air Education and Training Command (AETC), Air Force Reserve Command (AFRC), and Air National Guard (ANG) Geographically Separated Units (GSUs) to include DFAS Limestone Release 4 - Capabilities and interfaces to support AF deployments Release 5 - U. S. Air Forces in Europe (USAFE), Pacific Air Forces (PACAF), and DFAS Japan Release 6 - Air Force District of Washington (AFDW), Air Force Special Operations Command (AFSOC), U.S. Air Force Academy (USAFA), Air Force Space Command (AFSPC), Air Force Materiel Command (AFMC), and DFAS Columbus Release 7 - Conversion programs (Legacy elimination) Release 8 - Surface Deployment and Distribution Command (SDDC)</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs		P-1 Line Item Number / Title: 834470 / Defense Enterprise Accounting and Mgmt System
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>DEAMS Inc 1 capability will continue to be deployed in FY2016-2017 as approved by the Milestone Decision Authority.</p> <p>Procurement funding for DEAMS is in PE 0901538F, Financial Information Management Systems Development (FMISD).</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs					P-1 Line Item Number / Title: 834470 / Defense Enterprise Accounting and Mgmt System			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
DEAMS Inc 1 Hardware and Software	P-40a	A	- / -	- / -	6,800 / 15.298	11,600 / 9.255	- / -	11,600 / 9.255
Total Gross/Weapon System Cost			- / -	- / -	- / 15.298	- / 9.255	- / -	- / 9.255
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
DEAMS Inc 1 Hardware and Software	P-40a	A	- / -	- / -	- / -	- / -	- / -	18,400 / 24.553
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / -	- / -	- / 24.553
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:
 Requested FY 2016 funds will procure hardware in support of unit mission requirements for Air Force and Defense Finance and Accounting Service (DFAS) personnel. The budget also reflects funding to procure production software licenses in quantities sufficient to support the DEAMS user community based on a multiple-release and deployment strategy.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6								P-1 Line Item Number / Title: 834470 / Defense Enterprise Accounting and Mgmt System							Aggregated Items Title: DEFENSE ENTERPRISE ACCOUNTING & MGT SYS				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
DEAMS Inc 1 Hardware and Software	A		-	-	-	-	-	-	2,249.71	6,800	15.298	797.84	11,600	9.255	-	-	-	797.84	11,600	9.255
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	15.298	-	-	9.255	-	-	-	-	-	9.255
Total			-	-	-	-	-	-	-	-	15.298	-	-	9.255	-	-	-	-	-	9.255

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
DEAMS Inc 1 Hardware and Software	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,334.40	18,400	24.553	
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.553	
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.553	

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects							P-1 Line Item Number / Title: 834520 / Theater Battle Mgt C2 System					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	7.387	9.561	7.523	-	7.523	9.738	9.627	9.261	9.426	-	62.523
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	7.387	9.561	7.523	-	7.523	9.738	9.627	9.261	9.426	-	62.523
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	7.387	9.561	7.523	-	7.523	9.738	9.627	9.261	9.426	-	62.523
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:
Theater Battle Management Core Systems (TBMCS) is an integrated battle management system used to plan, execute, and assess an air campaign. It provides automated planning tools enabling consistent, coordinated battle management at entities ranging from the force level (Air Operations Centers [AOC]) to the unit level (wings/squadrons) for operations and intelligence functions. TBMCS is a United States Air Force system with Joint interest responsible for generation and dissemination of the air tasking order and interoperates with allied units.

The FY2016 funding request was reduced by \$1.331M to account for the availability of prior execution balances

Unit Command and Control (UC2): Provides the wing and base commanders, and their battle staffs with timely and accurate information for effective decision making. UC2 also provides secure, automated, deployable, and distributed wing-level command and control system with connectivity to TBMCS-Force Level (TBMCS-FL) systems.

Starting in FY16 the Unit Command and Control Intel funding is transferred to P-1 Line Item 832070 Intelligence Comm Equipment, in PE 020431F Combat Air Intel Systems.

Personnel Recovery Command and Control (PRC2): Provides PRC2 services supporting all Combatant Commands, Joint Services and other non-government agencies. Capabilities include web-based access to isolated personnel reports for all DoD personnel, C2 tools for performing command and control of recovery efforts for downed airmen/isolated ground troops, and rapid identification of personnel in distress. PRC2 is used within Air Operation Centers/Area Of Responsibilities (AOCs/AORs), Joint Personnel Recovery Centers, and Rescue Coordination Centers to provide the capabilities and services for planning and executing recovery of isolated personnel, and rapidly collaborate, disseminate, and store time-sensitive personnel recovery information.

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 0207410F.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects					P-1 Line Item Number / Title: 834520 / Theater Battle Mgt C2 System			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Theater Battle Mgt C2 System	P-5		- / -	- / 7.387	- / 9.561	- / 7.523	- / -	- / 7.523
Total Gross/Weapon System Cost			- / -	- / 7.387	- / 9.561	- / 7.523	- / -	- / 7.523
<p>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</p>								
<p>Justification:</p> <p>1. TBMCS-FORCE LEVEL (TBMCS-FL): Provides the Joint and Combined Air Component Commander with the automated tools necessary to effectively and efficiently plan, monitor, and execute the air campaign. This includes planning and issuing the Air Tasking and Airspace Control Orders that ensure the theater commander's intent is supported through the application of airpower using the latest intelligence. FY16 funding will continue fielding TBMCS-FL Spiral 1.1.3 Maintenance Release 2, and begin fielding Maintenance Release 3, to 40 locations (28 AD/7 ANG/5 AFR).</p> <p>a. TBMCS-FL PROGRAM MANAGEMENT ADMINISTRATION (PMA): FY16 funding includes provisions for government contract oversight, technical expertise, and program office support associated with the fielding of TBMCS-FL.</p> <p>b. TBMCS-FL TRAINING & FIELDING: FY16 funding will continue to support Type 1 training & fielding. As contractors field the TBMCS-FL upgrades, they will provide specialized training at each location.</p> <p>c-e. TBMCS-FL Spiral 1.1.3: FY16 funds will continue to be used to procure hardware and associated software licenses for fielding to various sites.</p> <p>2. UNIT COMMAND AND CONTROL (UC2): Provides the wing and base commanders and their battle staffs with timely and accurate information for effective decision making. UC2 also provides secure, automated, deployable, and distributed wing-level command and control system with connectivity to TBMCS-FL systems. Enhanced unit-level operations and intelligence capabilities will be provided through the Unit Command and Control [UC2] project. FY16 funding will continue to support fielding Capital Equipment Replacement (CER) cycle for UC2 Ops at 45 active duty locations and UC2 Intel at 137 active duty locations. Starting in FY16 the Unit Command and Control Intel funds will be executed from PE 27431F.</p> <p>a. UC2 HARDWARE AND COMMERCIAL-OFF-THE-SHELF (COTS) SOFTWARE: FY16 funds will continue to replace clients, servers, miscellaneous hardware, and associated software licenses for UC2 Ops sites.</p> <p>b. UC2 PMA: FY16 funding includes provisions for government contract oversight, technical expertise, and program office support associated with the fielding of UC2.</p> <p>3. PERSONNEL RECOVERY COMMAND AND CONTROL (PRC2): Provides PRC2 services supporting all Combatant Commands, Joint Services and other governmental agencies. Capabilities include web-based access to isolated personnel reports for all DoD personnel, C2 tools for performing command and control of recovery efforts for downed airmen/isolated ground troops, and rapid identification of personnel in distress. PRC2 is used within AOC's/AORs, Joint Personnel Recovery Centers, and Rescue Coordination Centers to provide the capabilities and services for planning and executing recovery of isolated personnel, and rapidly collaborate, disseminate, and store time-sensitive personnel recovery information.</p> <p>a. PRC2 HARDWARE AND COTS SOFTWARE: FY16 funds will continue procure various hardware pieces and associated software licenses for fielding to various sites.</p> <p>b. PRC2 PMA: FY16 funding includes provisions for government contract oversight, technical expertise, and program office support associated with the fielding of PRC2.</p>								

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4						P-1 Line Item Number / Title: 834520 / Theater Battle Mgt C2 System						Item Number / Title [DODIC]: - / Theater Battle Mgt C2 System							
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:									
Resource Summary						Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Procurement Quantity (Units in Each)						-		-		-		-		-		-			
Gross/Weapon System Cost (\$ in Millions)						-		7.387		9.561		7.523		-		7.523			
Less PY Advance Procurement (\$ in Millions)						-		-		-		-		-		-			
Net Procurement (P1) (\$ in Millions)						-		7.387		9.561		7.523		-		7.523			
Plus CY Advance Procurement (\$ in Millions)						-		-		-		-		-		-			
Total Obligation Authority (\$ in Millions)						-		7.387		9.561		7.523		-		7.523			
(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 (\$ in Millions)						-		-		-		-		-		-			
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																			
Cost Elements		Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																			
Recurring Cost																			
1.c. TBMCS-FL, Spiral 1.1.3 - AD		-	-	-	-	0.814	-	-	1.232	-	-	0.081	-	-	-	-	-	0.081	
1.d. TBMCS-FL, Spiral 1.1.3 - GUARD		-	-	-	-	0.150	-	-	0.150	-	-	0.079	-	-	-	-	-	0.079	
1.e. TBMCS-FL, Spiral 1.1.3 - RESERVE		-	-	-	-	0.145	-	-	0.145	-	-	0.079	-	-	-	-	-	0.079	
Subtotal: Recurring Cost		-	-	-	-	1.109	-	-	1.527	-	-	0.239	-	-	-	-	-	0.239	
Subtotal: Hardware - Hardware End Item Cost		-	-	-	-	1.109	-	-	1.527	-	-	0.239	-	-	-	-	-	0.239	
Package Fielding - PackageFielding End Item Cost																			
Recurring Cost																			
1.b. TBMCS-FL Training & Fielding		-	-	-	-	1.641	-	-	2.247	-	-	2.210	-	-	-	-	-	2.210	
2.a. UC2 Hardware & COTS Software		-	-	-	-	2.255	-	-	3.088	-	-	2.378	-	-	-	-	-	2.378	
3.a. PRC2 Hardware & COTS Software		-	-	-	-	0.426	-	-	0.730	-	-	0.765	-	-	-	-	-	0.765	
Subtotal: Recurring Cost		-	-	-	-	4.322	-	-	6.065	-	-	5.353	-	-	-	-	-	5.353	
Subtotal: Package Fielding - PackageFielding End Item Cost		-	-	-	-	4.322	-	-	6.065	-	-	5.353	-	-	-	-	-	5.353	
Support - Support End Item Cost																			
1.a. TBMCS-FL PMA		-	-	-	-	0.350	-	-	0.712	-	-	0.690	-	-	-	-	-	0.690	

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4						P-1 Line Item Number / Title: 834520 / Theater Battle Mgt C2 System							Item Number / Title [DODIC]: - / Theater Battle Mgt C2 System					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
2.b. UC2 PMA	-	-	-	-	-	0.992	-	-	0.737	-	-	0.751	-	-	-	-	-	0.751
3.b. PRC2 PMA	-	-	-	-	-	0.614	-	-	0.520	-	-	0.490	-	-	-	-	-	0.490
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	1.956	-	-	1.969	-	-	1.931	-	-	-	-	-	1.931
Gross/Weapon System Cost	-	-	-	-	-	7.387	-	-	9.561	-	-	7.523	-	-	-	-	-	7.523

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity:
3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects

P-1 Line Item Number / Title:
834530 / Air & Space Operations Ctr-WPN SYS

ID Code (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** 0207410F **Other Related Program Elements:**

Line Item MDAP/MAIS Code: N42 **Item MDAP/MAIS Code(s):**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	51.518	26.880	25.701	12.043	-	12.043	15.602	10.362	9.860	10.034	-	162.000
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	51.518	26.880	25.701	12.043	-	12.043	15.602	10.362	9.860	10.034	-	162.000
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	51.518	26.880	25.701	12.043	-	12.043	15.602	10.362	9.860	10.034	-	162.000

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Air Operations Center Weapon System (AOC WS), AN/USQ-163 Falconer, the senior element of the Theater Air Control System, is the weapon system that the Commander, Air Force Forces (COMAFFOR) provides the Combined/Joint Force Air Component Commander (C/JFACC) for monitoring, planning, executing and assessing theater-wide air and space operations in support of the air battle campaign to meet the Combined/Joint Force Commander's (C/JFC) objectives.

The AOC WS funding provides system hardware, software, technical documents, capital equipment replacement, core radio and initial training to standardize and sustain the weapon system 10.1 program baseline. The fielding and capital equipment replacement consist of AOCs and their associated support sites (e.g., help desk, Formal Training Unit, experimental sites, and Air Reserve Component sites).

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 0207410F.

The FY2016 funding request was reduced by \$2.000M to account for the availability of prior execution balances

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects				P-1 Line Item Number / Title: 834530 / Air & Space Operations Ctr-WPN SYS				
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items: 0207410F			Other Related Program Elements:		
Line Item MDAP/MAIS Code: N42		Item MDAP/MAIS Code(s):						
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Air & Space Operations Ctr-WPN SYS	P-5		- / 51.518	- / 26.880	- / 25.701	- / 12.043	- / -	- / 12.043
Total Gross/Weapon System Cost			- / 51.518	- / 26.880	- / 25.701	- / 12.043	- / -	- / 12.043
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:

1. INCREMENT FIELDING: The AOC WS uses the product improvement approach to field upgraded system capabilities, and for periodic Capital Equipment Replacement to keep the AOC WS interoperable, supportable, and compliant (e.g., certification and accreditation). Increment Fielding will provide significant Joint Command and Control (C2) interoperability; and respond to the highest priority Combatant Commander (COCOM) interoperability problems including incorporating fixes to shortfalls in interactions with COCOM targeting support systems, enhancing the effectiveness and capacity of the operational picture to respond to the proliferation of sensors and resultant data as well as address serious shortfalls in performance being experienced with older third party program deliveries. Major subsystems have enhanced their security profile and this fielding will serve as a reaccreditation of the overall AOC Weapon System baseline. The sustainment profile of the system is enhanced by introducing large scale virtualization, and it provides an excellent transition point for the AOC WS modernization baseline. Primary efforts in increment fielding include Capital Equipment Replacement and Recurring Events (REs).

There are three distinct categories of AOCs: Geographic, Functional, and assorted AOC Support Functions (Help Desk, Formal Training Unit, and Air Reserve Component sites). While all sites start with the standardized 10.1 baseline, each is specifically tailored to the needs of the associated COCOM or Functional Command. Thus, as no two AOCs are alike when a Capital Equipment Replacement or RE is accomplished, each site is unique and requires its own specifically designed site-engineered fielding plan and associated hardware, which drives differences in site specific (i.e., unit) costs.

Funding may be used to alleviate Diminishing Manufacturing Sources (DMS) issues.

a. CAPITAL EQUIPMENT REPLACEMENT: FY16 funds will be used to keep the AOCs and their associated support sites up-to-date by replacing end-of-life/end of support components with solutions that will bridge between 10.1 and 10.2 (e.g., selective deployment of virtualization technologies and core radio package). Virtualization technologies will help maximize system utilization by reducing costs and providing a more resilient infrastructure through the combining of multiple work environments into a single-point. FY16 Capital Equipment Replacement will address numerous commercial end-of-life and DMS components that must be resolved. Differences in site specific setup (due to variations between Combatant Commander or Functional Command needs) will drive differences in site specific requirements. Therefore, there is no meaningful way to measure quantities as the Capital Equipment Replacement of each site is significantly different.

b. RECURRING EVENTS (RE): REs are regularly scheduled spiral upgrades to keep the AOC interoperable, supportable, and compliant (e.g., certification and accreditation). They are normally comprised of hardware/software changes/updates and security patches. Each RE is based on warfighter-validated needs and improvements to the AOC WS. The spiral upgrades will vary in levels of complexity based on what system changes are required and therefore incorporated. The level-of-complexity upgrades will impact the recurring costs of fielding the upgrades: each annual spiral upgrade is based on the number of systems affected, what aging equipment needs to undergo Capital Equipment Replacement, and the length of time necessary to accomplish the modification at each site. FY16 will fund REs, periodic maintenance upgrades, emergency fixes, and other activities (e.g., security fixes, testing activities) potentially affecting some or all AOCs (Geographical/Functional/Support) and their associated support sites. Additionally, differences in site specific setup (due to variations between Combatant Commander or Functional Command needs) will drive differences in site specific requirements. Therefore, there is no meaningful way to measure quantities as the fielding of an RE to each site is significantly different.

c. TECHNICAL DOCUMENTATION: FY16 funds will procure and update the current baseline Descriptive List of Applicable Publications, AOC unique systems (e.g., Boundary Security System), and technical documents for the AOC WS. The funds will also be used to maintain the AOC WS technical documentation in a common location.

d. TRAINING: Funds were used to provide initial cadre instruction for installation training related to operating and supporting the fielded AOC WS. No FY16 funding requested.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		P-1 Line Item Number / Title: 834530 / Air & Space Operations Ctr-WPN SYS
ID Code (A=Service Ready, B=Not Service Ready) : B	Program Elements for Code B Items: 0207410F	Other Related Program Elements:
Line Item MDAP/MAIS Code: N42	Item MDAP/MAIS Code(s):	
<p>e. INTEGRATED AIR & MISSILE DEFENSE (IAMD): Operational C2 of IAMD is a project dedicated to increasing the operational capacity of the current AOC in counter air, ballistic missile defense, and intercontinental ballistic missile defense. The purpose of the effort is to integrate existing systems and enhance dynamic planning, re-planning capabilities. No FY16 funding requested.</p> <p>f. FIELDING SPO SUPPORT: FY16 funds will be used to provide government oversight, technical expertise, and program office support associated with the fielding of AOC.</p> <p>g. TEST SUPPORT (46TS): FY16 funds will be used to provide government oversight and technical expertise associated with the testing of AOC.</p> <p>2. PROGRAM MANAGEMENT ADMINISTRATION (PMA): The breakdown of this activity includes the following:</p> <p>a. PROGRAM SUPPORT: FY16 funding includes provisions for government contract oversight, technical expertise, and program management office support associated with 10.1 baseline standardization of the AOC weapon system.</p> <p>Items requested in FY16 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4							P-1 Line Item Number / Title: 834530 / Air & Space Operations Ctr-WPN SYS							Item Number / Title [DODIC]: - / Air & Space Operations Ctr-WPN SYS							
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
Procurement Quantity (Units in Each)				-			-			-			-			-			-		
Gross/Weapon System Cost (\$ in Millions)				51.518			26.880			25.701			12.043			-			12.043		
Less PY Advance Procurement (\$ in Millions)				-			-			-			-			-			-		
Net Procurement (P1) (\$ in Millions)				51.518			26.880			25.701			12.043			-			12.043		
Plus CY Advance Procurement (\$ in Millions)				-			-			-			-			-			-		
Total Obligation Authority (\$ in Millions)				51.518			26.880			25.701			12.043			-			12.043		
(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 (\$ in Millions)				-			-			-			-			-			-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																					
Cost Elements		Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total				
		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)		
Hardware - Hardware End Item Cost																					
Recurring Cost																					
1.a.1. CAPITAL EQUIPMENT REPLACEMENT: GEOGRAPHIC/ FUNCTIONAL AOC - AD		-	-	0.438	-	-	3.000	-	-	1.548	-	-	-	-	-	-	-	-	-		
1.a.2. CAPITAL EQUIPMENT REPLACEMENT: AOC SUPPORT SITES - AD		-	-	0.000	-	-	1.520	-	-	2.213	-	-	-	-	-	-	-	-	-		
1.a.3. CAPITAL EQUIPMENT REPLACEMENT: AOC EXPERIMENTAL SITES - AD		-	-	2.049	-	-	2.100	-	-	2.082	-	-	2.089	-	-	-	-	-	2.089		
1.a.4. CAPITAL EQUIPMENT REPLACEMENT - RESERVE		-	-	0.000	-	-	-	-	-	0.684	-	-	-	-	-	-	-	-	-		
1.a.5: CAPITAL EQUIPMENT REPLACEMENT - GUARD		-	-	0.000	-	-	-	-	-	0.855	-	-	-	-	-	-	-	-	-		
1.b.1. RECURRING EVENTS: AOC SITES - AD		-	-	22.816	-	-	7.400	-	-	10.840	-	-	7.219	-	-	-	-	-	7.219		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4						P-1 Line Item Number / Title: 834530 / Air & Space Operations Ctr-WPN SYS						Item Number / Title [DODIC]: - / Air & Space Operations Ctr-WPN SYS						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1.b.2. RECURRING EVENTS: SUPPORT SITES - AD	-	-	5.936	-	-	3.400	-	-	2.000	-	-	-	-	-	-	-	-	-
1.b.4. RECURRING EVENTS - RESERVE	-	-	2.000	-	-	4.000	-	-	-	-	-	-	-	-	-	-	-	-
1.c. TECHNICAL DOCUMENTATION	-	-	0.300	-	-	0.300	-	-	0.300	-	-	0.300	-	-	-	-	-	0.300
1.d. TRAINING	-	-	2.227	-	-	0.690	-	-	-	-	-	-	-	-	-	-	-	-
1.e. IAMD	-	-	3.415	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.f. FIELDING (SPO) SUPPORT	-	-	7.033	-	-	2.633	-	-	3.819	-	-	1.233	-	-	-	-	-	1.233
1.g. TEST SUPPORT (46TS)	-	-	1.019	-	-	0.966	-	-	0.600	-	-	0.500	-	-	-	-	-	0.500
<i>Subtotal: Recurring Cost</i>	-	-	47.233	-	-	26.009	-	-	24.941	-	-	11.341	-	-	-	-	-	11.341
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	47.233	-	-	26.009	-	-	24.941	-	-	11.341	-	-	-	-	-	11.341
Support - Support End Item Cost																		
2.a. PROGRAM MANAGEMENT ADMINISTRATION: PROGRAM SUPPORT	-	-	1.627	-	-	0.871	-	-	0.760	-	-	0.702	-	-	-	-	-	0.702
2.b. PROGRAM MANAGEMENT ADMINISTRATION: TECHNICAL DOCUMENTATION	-	-	0.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.c. PROGRAM MANAGEMENT ADMINISTRATION: TRAINING	-	-	2.058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support End Item Cost</i>	-	-	4.285	-	-	0.871	-	-	0.760	-	-	0.702	-	-	-	-	-	0.702
Gross/Weapon System Cost	-	-	51.518	-	-	26.880	-	-	25.701	-	-	12.043	-	-	-	-	-	12.043
Remarks: 1) Due to different levels of complexity, differences in equipment to be updated and length of required time necessary for modification total cost will fluctuate between fiscal years. 2) Differences in site specific setup (due to variations between mission specific needs and differences in site type i.e., Geographic vs. Functional vs. Associated Support Site vs. Reserve Components) will drive differences in site specific requirements (e.g., time required, hardware required and software required). This makes quantification impossible, as there is no single baseline to produce a quantity against. Per DoD Financial Regulation 7000.14-R, Volume 2B, Chapter 4, Exhibit P-5 Instruction, the quantities in the P-5 are left blank as there is no way to report applicable quantities.																		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs							P-1 Line Item Number / Title: 834560 / Air Operations Center (AOC) 10.2					
ID Code (A=Service Ready, B=Not Service Ready) : B				Program Elements for Code B Items: 0207410F				Other Related Program Elements:				
Line Item MDAP/MAIS Code: N42			Item MDAP/MAIS Code(s):									
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	24.246	-	24.246	50.877	43.219	32.038	32.606	255.814	438.800
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	24.246	-	24.246	50.877	43.219	32.038	32.606	255.814	438.800
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	24.246	-	24.246	50.877	43.219	32.038	32.606	255.814	438.800
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>The Air Operations Center Weapon System (AOC WS), AN/USQ-163 Falconer, the senior element of the Theater Air Control System (TACS), is the weapon system the Commander, Air Force Forces (COMAFFOR) provides the Combined/Joint Force Air Component Commander (C/JFACC) for planning, executing, and assessing theater-wide air and space operations. The C/JFACC provides air, space and cyber support to the Combined/Joint Forces Commander (C/JFC) by coordinating, deconflicting and assessing the progress of various weapon systems to advance the C/JFC's campaign. The AOC WS develops operations strategy and planning documents. The weapon system also disseminates tasking orders; executes day-to-day peacetime and combat air, space and cyber operations; and provides rapid reaction to immediate situations by exercising positive control of friendly forces.</p> <p>The AOC 10.2 funding provides system hardware, software, technical documents, capital equipment replacement, and initial training to standardize the weapon system 10.2 program baseline. The fielding and capital equipment replacement consist of AOCs and their associated support sites.</p> <p>Funding for this exhibit is contained in PE 0207410F.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs					P-1 Line Item Number / Title: 834560 / Air Operations Center (AOC) 10.2			
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items: 0207410F			Other Related Program Elements:		
Line Item MDAP/MAIS Code: N42		Item MDAP/MAIS Code(s):						
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Air Operations Center (AOC) 10.2	P-5, P-5a		- / -	- / -	- / -	- / 24.246	- / -	- / 24.246
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / 24.246	- / -	- / 24.246
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Air Operations Center (AOC) 10.2	P-5, P-5a		- / 50.877	- / 43.219	- / 32.038	- / 32.606	- / 255.814	- / 438.800
Total Gross/Weapon System Cost			- / 50.877	- / 43.219	- / 32.038	- / 32.606	- / 255.814	- / 438.800
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:

1. PACKAGE FIELDING: The breakdown of this activity includes the following:

a. INITIAL FIELDING: FY16 funds will be used to support the procurement of hardware, software, warranties, support, and installation of the 10.2 baseline system to Geographic AOCs.

b. CAPITAL EQUIPMENT REPLACEMENT: No FY16 funding requested.

c. TEST SUPPORT (46TS): FY16 funds will be used to provide government oversight and technical expertise associated with the testing of AOC.

d. FIELDING SUPPORT: FY16 funds will be used to provide government oversight and technical expertise associated with the fielding of an AOC.

e. TRAINING: In conjunction with the 10.2 fielding, initial training on the 10.2 weapon system will be provided to site operators, network administrators, and system administrators

2. SUPPORT: The breakdown of this activity includes the following:

a. PROGRAM MANAGEMENT ADMINISTRATION (PMA): FY16 funding includes provisions for government contract oversight, technical expertise, and program management office support associated with 10.2 baseline standardization of the AOC WS.

AOC 10.2 is an FY16 New Start.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force									Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3				P-1 Line Item Number / Title: 834560 / Air Operations Center (AOC) 10.2					Item Number / Title [DODIC]: - / Air Operations Center (AOC) 10.2									
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:											
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total					
Procurement Quantity (Units in Each)		-	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Cost (\$ in Millions)		-	-	-	24.246	-	24.246	50.877	43.219	32.038	32.606	255.814	438.800					
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P1) (\$ in Millions)		-	-	-	24.246	-	24.246	50.877	43.219	32.038	32.606	255.814	438.800					
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Total Obligation Authority (\$ in Millions)		-	-	-	24.246	-	24.246	50.877	43.219	32.038	32.606	255.814	438.800					
(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 (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Package Fielding - PackageFielding End Item Cost																		
Recurring Cost																		
1.a. Initial Fielding ^(†)	-	-	-	-	-	-	-	-	-	19.576	1	19.576	-	-	-	19.576	1	19.576
1.b. Capital Equipment Replacement	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.c. Test Support (46TS)	-	-	-	-	-	-	-	-	-	-	-	0.540	-	-	-	-	-	0.540
1.d. Fielding Support	-	-	-	-	-	-	-	-	-	-	-	0.340	-	-	-	-	-	0.340
1.e. Training	-	-	-	-	-	-	-	-	-	-	-	1.510	-	-	-	-	-	1.510
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	21.966	-	-	-	-	-	21.966
Subtotal: Package Fielding - PackageFielding End Item Cost	-	-	-	-	-	-	-	-	-	-	-	21.966	-	-	-	-	-	21.966
Support - Support End Item Cost																		
2.a. Program Management Administration (PMA)	-	-	-	-	-	-	-	-	-	-	-	2.280	-	-	-	-	-	2.280
Subtotal: Support - Support End Item Cost	-	-	-	-	-	-	-	-	-	-	-	2.280	-	-	-	-	-	2.280
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	24.246	-	-	-	-	-	24.246

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3							P-1 Line Item Number / Title: 834560 / Air Operations Center (AOC) 10.2						Item Number / Title [DODIC]: - / Air Operations Center (AOC) 10.2					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Package Fielding - PackageFielding End Item Cost																		
Recurring Cost																		
1.a. Initial Fielding ^(†)	10.857	4	43.427	9.300	1	9.300	-	-	-	-	-	-	-	-	-	12.051	6	72.303
1.b. Capital Equipment Replacement	-	-	-	-	-	26.239	-	-	24.128	-	-	24.466	-	-	191.951	-	-	266.784
1.c. Test Support (46TS)	-	-	0.550	-	-	0.560	-	-	0.570	-	-	0.580	-	-	4.550	-	-	7.350
1.d. Fielding Support	-	-	4.000	-	-	4.100	-	-	4.200	-	-	4.300	-	-	33.736	-	-	50.676
1.e. Training	-	-	0.600	-	-	0.700	-	-	0.800	-	-	0.900	-	-	7.061	-	-	11.571
Subtotal: Recurring Cost	-	-	48.577	-	-	40.899	-	-	29.698	-	-	30.246	-	-	237.298	-	-	408.684
Subtotal: Package Fielding - PackageFielding End Item Cost	-	-	48.577	-	-	40.899	-	-	29.698	-	-	30.246	-	-	237.298	-	-	408.684
Support - Support End Item Cost																		
2.a. Program Management Administration (PMA)	-	-	2.300	-	-	2.320	-	-	2.340	-	-	2.360	-	-	18.516	-	-	30.116
Subtotal: Support - Support End Item Cost	-	-	2.300	-	-	2.320	-	-	2.340	-	-	2.360	-	-	18.516	-	-	30.116
Gross/Weapon System Cost	-	-	50.877	-	-	43.219	-	-	32.038	-	-	32.606	-	-	255.814	-	-	438.800
Remarks: Due to variations between mission specific needs, differences in site specific setup will drive differences in site specific requirements (e.g., time required, hardware required and software required). The calculated unit costs are representative but not actual. (†) indicates the presence of a P-5a																		

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3			P-1 Line Item Number / Title: 834560 / Air Operations Center (AOC) 10.2					Item Number / Title [DODIC]: - / Air Operations Center (AOC) 10.2				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.a. Initial Fielding		2016	TBD / Various	TBD	AFLCMC Hanscom AFB	Nov 2015	Mar 2017	1	19.576	N	Oct 2015	
1.a. Initial Fielding		2017	TBD / Various	TBD	AFLCMC Hanscom AFB	Nov 2016	Nov 2017	4	10.857	N	Oct 2015	
1.a. Initial Fielding		2018	TBD / Various	TBD	AFLCMC Hanscom AFB	Nov 2017	Nov 2018	1	9.300	N	Oct 2015	
Remarks: Due to variations between mission specific needs, differences in site specific setup will drive differences in site specific requirements (e.g., time required, hardware required and software required). The calculated unit costs are representative but not actual.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications							P-1 Line Item Number / Title: 835060 / Information Transport Systems					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements:				
Line Item MDAP/MAIS Code: N78			Item MDAP/MAIS Code(s):									
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	120.130	67.582	96.936	74.621	-	74.621	70.375	57.139	59.204	60.254	439.336	1,045.577
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	120.130	67.582	96.936	74.621	-	74.621	70.375	57.139	59.204	60.254	439.336	1,045.577
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	120.130	67.582	96.936	74.621	-	74.621	70.375	57.139	59.204	60.254	439.336	1,045.577
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description: The FY2016 funding request was reduced by \$4.251M to account for the availability of prior execution balances</p> <p>In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the armed forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>BASE INFORMATION TRANSPORT INFRASTRUCTURE (BITI), formerly known as INFORMATION TRANSPORT SYSTEM (ITS): BITI delivers the Air Force cyberspace network and integrated infrastructure for over 170 fixed Air Force installations (active duty, reserve, and Air National Guard (ANG)) and Geographically Separated Units (GSU) at approved locations. Integrated BITI will have a consolidated cyber capability addressing emerging cyber threats to infrastructure. BITI capabilities encompass all optical systems, digital voice/data/video systems, commercial devices, unified capabilities and wireless capabilities. The end result of a Turnkey project is a high-speed packet switching and circuit transport of critical information among core buildings and mission areas on a base. Additionally, BITI provides a robust and secure wireless infrastructure that incorporates high-availability and multi-tiered network connections at approved facilities requiring remote access. The efforts in this program budget line through its various increments and major projects, coupled with the efforts from the Air Force Network budget line enable the fielding, support and sustainment of standard, enterprise solutions for the entire Air Force Intranet from the individual base communications closets to the Air Force gateways and all the components and systems in-between in cyberspace.</p> <p>BITI will ensure that Air Force operating locations have sufficient infrastructure, bandwidth, and overall network capability to support the current and future communication needs of the Air Force and Joint-Command warfighter via reliable and survivable information transport with sufficient capacity and capability to meet the classified and unclassified data, voice, video, imagery, and telemetry requirements at each installed location.</p> <p>BITI Turnkey: Modernizes complete system/sub-system infrastructure/equipment for all BITI fielded systems for over 170 fixed Air Force installations (active duty, reserve, and ANG) and GSU at approved locations.</p> <p>BITI Turnkey Modernization: Follow on full base internal network modernizations for system/sub-system infrastructure. Turnkey Modernizations are completed on bases that have already received a Turnkey and are not on the Acquisition menu. As requirements have evolved, base missions have changed and some bases that have already received an earlier Turnkey may not have the fiber needed for the current Base Area Network spec. The Turnkey Modernizations expands on the existing outside and inside plant, but not to the extent of an initial Turnkey. The last two Turnkey Modernizations will take place starting in FY15 and finishing in FY17. After completion of these last two Turnkey Modernizations all BITI base work will be Recapitalizations.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity:
3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications
Equip / BSA 5: Air Force Communications

P-1 Line Item Number / Title:
835060 / Information Transport Systems

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

Line Item MDAP/MAIS Code: N78 **Item MDAP/MAIS Code(s):**

BITI Recapitalization: Replaces and modernizes critical "backbone" infrastructure of network equipment installed as part of Turnkeys on a routine basis for fielded systems for over 170 fixed Air Force installations (active duty, reserve, and Air National Guard (ANG)) and Geographically Separated Units (GSUs) at approved locations to include critical Nonsecure Internet Protocol Network (NIPRNet) infrastructure/network solutions.

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 0303112F.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	51.512	87.792	66.923	-	66.923	47.311	14.121	41.599	50.609
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	5.080	-	-	-	17.298	43.018	17.605	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	16.070	4.064	7.698	-	7.698	5.766	-	-	9.645
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	67.582	96.936	74.621	-	74.621	70.375	57.139	59.204	60.254

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications				P-1 Line Item Number / Title: 835060 / Information Transport Systems			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:		Other Related Program Elements:		
Line Item MDAP/MAIS Code: N78		Item MDAP/MAIS Code(s):					

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Information Transport Systems	P-5, P-5a, P-21		- / 120.130	- / 67.582	- / 96.936	- / 74.621	- / -	- / 74.621
Total Gross/Weapon System Cost			- / 120.130	- / 67.582	- / 96.936	- / 74.621	- / -	- / 74.621

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Information Transport Systems	P-5, P-5a, P-21		- / 70.375	- / 57.139	- / 59.204	- / 60.254	- / 439.336	- / 1,045.577
Total Gross/Weapon System Cost			- / 70.375	- / 57.139	- / 59.204	- / 60.254	- / 439.336	- / 1,045.577

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:

BITI: FY16 funding includes, but is not limited to, implementation and upgrades to broadband, fiber-optic digital information transport networks to provide mission-critical information transfer capabilities at fixed Air Force bases (Active Duty, Air Force Reserve, and Air National Guard) and selected geographically separated unit locations. Procurement projects and efforts include, but are not limited, site surveys, installations, and interim contractor support (ICS).

BITI Turnkey Modernization: FY16 modernizes complete system infrastructure/equipment on bases that have already received a Turnkey and are not on acquisition menu due to requirements and base mission evolution for all BITI fielded systems for over 170 fixed Air Force installations (active duty, reserve, and Air National Guard (ANG)) and Geographically Separated Units (GSU) at approved locations.

BITI Recapitalization: FY16 refresh, replace, and modernizes BITI Turnkey fielded systems for over 170 fixed Air Force installations (active duty, reserve, and Air National Guard (ANG)) and Geographically Separated Units (GSUs) at approved locations to include critical Nonsecure Internet Protocol Network (NIPRNet) infrastructure/network solutions.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force										Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5				P-1 Line Item Number / Title: 835060 / Information Transport Systems						Item Number / Title [DODIC]: - / Information Transport Systems								
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:											
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total						
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Cost (<i>\$ in Millions</i>)	120.130	67.582	96.936	74.621	-	74.621	70.375	57.139	59.204	60.254	439.336	1,045.577						
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) (<i>\$ in Millions</i>)	120.130	67.582	96.936	74.621	-	74.621	70.375	57.139	59.204	60.254	439.336	1,045.577						
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority (<i>\$ in Millions</i>)	120.130	67.582	96.936	74.621	-	74.621	70.375	57.139	59.204	60.254	439.336	1,045.577						
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-						
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		
-- BITI Turnkey Projects - AD Site Survey ^(†)	0.598	13	7.774	0.767	9	6.904	-	-	-	-	-	-	-	-	-	-	-	-
-- BITI Turnkey Projects - AD Installation ^(†)	4.442	10	44.422	-	-	-	4.203	8	33.626	-	-	-	-	-	-	-	-	-
-- BITI Turnkey Projects - Reserve Installation ^(†)	-	-	0.000	-	-	-	1.409	5	7.046	-	-	-	-	-	-	-	-	-
-- BITI Turnkey Projects - Reserve Site Survey ^(†)	-	-	0.000	0.357	5	1.786	-	-	-	-	-	-	-	-	-	-	-	-
-- BITI - Turnkey Modernization AD Site Survey ^(†)	-	-	1.211	1.950	1	1.950	-	-	-	-	-	-	-	-	-	-	-	-
-- BITI - Turnkey Moderization AD Installation ^(†)	-	-	13.370	3.362	2	6.724	3.644	3	10.933	-	-	-	-	-	-	-	-	-
-- BITI - Recapitalization AD Site Survey ^(†)	-	-	0.000	-	-	-	0.281	32	9.008	0.315	29	9.127	-	-	-	0.315	29	9.127

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5						P-1 Line Item Number / Title: 835060 / Information Transport Systems						Item Number / Title [DODIC]: - / Information Transport Systems						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
-- BITI - Recapitalization AD Installation ^(†)	-	-	0.000	-	-	-	0.696	32	22.284	1.597	29	46.327	-	-	-	1.597	29	46.327
-- BITI - Recapitalization ANG Site Survey ^(†)	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-- BITI - Recapitalization ANG Installation ^(†)	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-- BITI - Recapitalization Reserve Site Survey ^(†)	-	-	0.000	-	-	-	0.155	2	0.311	0.179	4	0.715	-	-	-	0.179	4	0.715
-- BITI - Recapitalization Reserve Installation ^(†)	-	-	0.000	-	-	-	0.384	2	0.769	1.006	4	4.025	-	-	-	1.006	4	4.025
-- BITI - Enterprise Recapitalization	-	-	30.722	-	-	37.275	-	-	1.367	-	-	3.313	-	-	-	-	-	3.313
Subtotal: Recurring Cost	-	-	97.499	-	-	54.639	-	-	85.344	-	-	63.507	-	-	-	-	-	63.507
Subtotal: Hardware - Hardware End Item Cost	-	-	97.499	-	-	54.639	-	-	85.344	-	-	63.507	-	-	-	-	-	63.507
Support - Support End Item Cost																		
- BITI Direct Mission Support (DMS)	-	-	11.096	-	-	8.186	-	-	4.710	-	-	4.587	-	-	-	-	-	4.587
- BITI Program Management Administration Contractor Services	-	-	10.196	-	-	4.441	-	-	6.462	-	-	6.161	-	-	-	-	-	6.161
- BITI Other PMA Government Costs	-	-	1.339	-	-	0.316	-	-	0.420	-	-	0.366	-	-	-	-	-	0.366
Subtotal: Support - Support End Item Cost	-	-	22.631	-	-	12.943	-	-	11.592	-	-	11.114	-	-	-	-	-	11.114
Gross/Weapon System Cost	-	-	120.130	-	-	67.582	-	-	96.936	-	-	74.621	-	-	-	-	-	74.621
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5						P-1 Line Item Number / Title: 835060 / Information Transport Systems							Item Number / Title [DODIC]: - / Information Transport Systems					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
-- BITI Turnkey Projects - AD Site Survey ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.667	22	14.678
-- BITI Turnkey Projects - AD Installation ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.336	18	78.048
-- BITI Turnkey Projects - Reserve Installation ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.409	5	7.046
-- BITI Turnkey Projects - Reserve Site Survey ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.357	5	1.786
-- BITI - Turnkey Modernization AD Site Survey ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.161	1	3.161
-- BITI - Turnkey Moderization AD Installation ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.205	5	31.027
-- BITI - Recapitalization AD Site Survey ^(†)	0.298	25	7.452	0.284	3	0.851	0.279	22	6.137	0.314	20	6.276	0.350	118	41.241	0.322	249	80.092
-- BITI - Recapitalization AD Installation ^(†)	1.414	25	35.342	1.213	3	3.639	1.229	22	27.049	1.646	20	32.929	1.713	118	202.177	1.485	249	369.747
-- BITI - Recapitalization ANG Site Survey ^(†)	0.137	12	1.647	0.140	51	7.141	0.145	13	1.886	-	-	-	0.157	76	11.946	0.149	152	22.620
-- BITI - Recapitalization ANG Installation ^(†)	0.603	12	7.240	0.615	51	31.366	0.637	13	8.278	-	-	-	0.690	76	52.475	0.654	152	99.359
-- BITI - Recapitalization Reserve Site Survey ^(†)	0.177	4	0.706	-	-	-	-	-	-	0.166	5	0.832	0.208	12	2.493	0.187	27	5.057
-- BITI - Recapitalization Reserve Installation ^(†)	0.812	4	3.248	-	-	-	-	-	-	0.896	5	4.479	1.072	12	12.869	0.940	27	25.390
-- BITI - Enterprise Recapitalization	-	-	3.465	-	-	2.551	-	-	4.048	-	-	3.710	-	-	20.949	-	-	107.400
Subtotal: Recurring Cost	-	-	59.100	-	-	45.548	-	-	47.398	-	-	48.226	-	-	344.150	-	-	845.411
Subtotal: Hardware - Hardware End Item Cost	-	-	59.100	-	-	45.548	-	-	47.398	-	-	48.226	-	-	344.150	-	-	845.411
Support - Support End Item Cost																		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5						P-1 Line Item Number / Title: 835060 / Information Transport Systems						Item Number / Title [DODIC]: - / Information Transport Systems					

ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
- BITI Direct Mission Support (DMS)	-	-	4.678	-	-	4.774	-	-	4.868	-	-	4.965	-	-	37.605	-	-	85.469
- BITI Program Management Administration Contractor Services	-	-	6.225	-	-	6.438	-	-	6.552	-	-	6.670	-	-	54.601	-	-	107.746
- BITI Other PMA Government Costs	-	-	0.372	-	-	0.379	-	-	0.386	-	-	0.393	-	-	2.980	-	-	6.951
Subtotal: Support - Support End Item Cost	-	-	11.275	-	-	11.591	-	-	11.806	-	-	12.028	-	-	95.186	-	-	200.166
Gross/Weapon System Cost	-	-	70.375	-	-	57.139	-	-	59.204	-	-	60.254	-	-	439.336	-	-	1,045.577

Remarks:

Unit cost has significant variability due to size and complexity of bases/projects. A quantity is defined as a base location site survey or install and is projected based on mission requirements and funding availability.

Manpower (consisting of DMS & PMA) is a combined Operations & Support and Acquisition cost.

PROGRAM MANAGEMENT ADMINISTRATION (PMA): PMA BITI program supports the operation of the program office in its management and oversight role. PMA supports the BITI and the Base Information Infrastructure (BII) Program with engineering and technical support, as well as, support activities for the program.

DIRECT MISSION SUPPORT (DMS): DMS for BITI includes all support associated with equipment installation, engineering, technical orders, sustainment engineering, and implementation. This includes the initial bed down and operability testing, technical interchange meetings, interim contractor support and events associated with fielding both hardware and software products, and maintaining configuration control of fielded products.

Funding for Turnkey projects ends in 2015, all other funding line items continue through 2027. 2016 and beyond are solely recapitalizations.

Reduction in FY16-FY18 funding from previously reported levels is a result of reduction for higher Air Force priorities.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	51.512	87.792	66.923	-	66.923	47.311	14.121	41.599	50.609
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	5.080	-	-	-	17.298	43.018	17.605	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	16.070	4.064	7.698	-	7.698	5.766	-	-	9.645
Total:	Quantity	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5			P-1 Line Item Number / Title: 835060 / Information Transport Systems				Item Number / Title [DODIC]: - / Information Transport Systems			
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:					
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	67.582	96.936	74.621	-	74.621	70.375	57.139	59.204	60.254

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5			P-1 Line Item Number / Title: 835060 / Information Transport Systems					Item Number / Title [DODIC]: - / Information Transport Systems				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
-- BITI Turnkey Projects - AD Site Survey ^(†)		2014	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	May 2014	May 2015	9	0.767	Y		Dec 2013
-- BITI Turnkey Projects - AD Installation ^(†)		2015	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Apr 2015	Jan 2016	8	4.203	Y		Jan 2015
-- BITI Turnkey Projects - Reserve Installation ^(†)		2015	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Feb 2015	Feb 2016	5	1.409	Y		Oct 2014
-- BITI Turnkey Projects - Reserve Site Survey ^(†)		2014	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Sep 2014	Sep 2015	5	0.357	Y		Feb 2014
-- BITI - Turnkey Modernization AD Site Survey ^(†)		2014	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jul 2014	Jul 2015	1	1.950	Y		Mar 2014
-- BITI - Turnkey Moderization AD Installation ^(†)		2014	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jul 2014	Jul 2015	2	3.362	Y		Feb 2014
-- BITI - Turnkey Moderization AD Installation ^(†)		2015	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Sep 2015	Sep 2016	3	3.644	Y		Feb 2015
-- BITI - Recapitalization AD Site Survey ^(†)		2015	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Apr 2015	Dec 2015	32	0.281	Y		Feb 2015
-- BITI - Recapitalization AD Site Survey ^(†)		2016	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2016	Jan 2017	29	0.315	Y		Aug 2015
-- BITI - Recapitalization AD Site Survey ^(†)		2017	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2017	Jan 2018	25	0.298	Y		Aug 2016
-- BITI - Recapitalization AD Site Survey ^(†)		2018	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2018	Jan 2019	3	0.284	Y		Aug 2017
-- BITI - Recapitalization AD Site Survey ^(†)		2019	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2019	Jan 2020	22	0.279	Y		Aug 2018
-- BITI - Recapitalization AD Site Survey ^(†)		2020	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2020	Jan 2021	20	0.314	Y		Aug 2019
-- BITI - Recapitalization AD Installation ^(†)		2015	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jun 2015	Jun 2016	32	0.696	Y		Feb 2015
-- BITI - Recapitalization AD Installation ^(†)		2016	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2016	Jan 2017	29	1.597	Y		Aug 2015
-- BITI - Recapitalization AD Installation ^(†)		2017	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2017	Jan 2018	25	1.414	Y		Aug 2016
-- BITI - Recapitalization AD Installation ^(†)		2018	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2018	Jan 2019	3	1.213	Y		Aug 2017

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5			P-1 Line Item Number / Title: 835060 / Information Transport Systems					Item Number / Title [DODIC]: - / Information Transport Systems				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
-- BITI - Recapitalization AD Installation ^(†)		2019	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2019	Jan 2020	22	1.229	Y		Aug 2018
-- BITI - Recapitalization AD Installation ^(†)		2020	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2020	Jan 2021	20	1.646	Y		Aug 2019
-- BITI - Recapitalization ANG Site Survey ^(†)		2017	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2017	Jan 2018	12	0.137	Y		Aug 2016
-- BITI - Recapitalization ANG Site Survey ^(†)		2018	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2018	Jan 2019	51	0.140	Y		Aug 2017
-- BITI - Recapitalization ANG Site Survey ^(†)		2019	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2019	Jan 2020	13	0.145	Y		Aug 2018
-- BITI - Recapitalization ANG Installation ^(†)		2017	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2017	Jan 2018	12	0.603	Y		Aug 2016
-- BITI - Recapitalization ANG Installation ^(†)		2018	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2018	Jan 2019	51	0.615	Y		Aug 2017
-- BITI - Recapitalization ANG Installation ^(†)		2019	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2019	Jan 2020	13	0.637	Y		Aug 2018
-- BITI - Recapitalization Reserve Site Survey ^(†)		2015	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Apr 2015	Apr 2016	2	0.155	Y		Feb 2015
-- BITI - Recapitalization Reserve Site Survey ^(†)		2016	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2016	Jan 2017	4	0.179	Y		Aug 2015
-- BITI - Recapitalization Reserve Site Survey ^(†)		2017	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2017	Jan 2018	4	0.177	Y		Aug 2016
-- BITI - Recapitalization Reserve Site Survey ^(†)		2020	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2020	Jan 2021	5	0.166	Y		Aug 2019
-- BITI - Recapitalization Reserve Installation ^(†)		2015	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Apr 2015	Apr 2016	2	0.384	Y		Feb 2015
-- BITI - Recapitalization Reserve Installation ^(†)		2016	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2016	Jan 2017	4	1.006	Y		Aug 2015
-- BITI - Recapitalization Reserve Installation ^(†)		2017	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2017	Jan 2018	4	0.812	Y		Aug 2016
-- BITI - Recapitalization Reserve Installation ^(†)		2020	VARIOUS / Multiple	C / FFP	AFLCMC Hanscom AFB	Jan 2020	Jan 2021	5	0.896	Y		Aug 2019
(†) indicates the presence of a P-21												

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5	P-1 Line Item Number / Title: 835060 / Information Transport Systems	Item Number / Title [DODIC]: - / Information Transport Systems

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Exhibit P-21, Production Schedule: PB 2016 Air Force																				Date: February 2015																
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5										P-1 Line Item Number / Title: 835060 / Information Transport Systems										Item Number / Title [DODIC]: - / Information Transport Systems																
Cost Elements (Units in Each)							Fiscal Year 2014										Fiscal Year 2015																			
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 3	BAL DUE AS OF 1 OCT	Calendar Year 2014										Calendar Year 2015										B A L									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P					
-- BITI Turnkey Projects - AD Site Survey																																				
Prior Years Deliveries: 13																																				
	1	2014	AF	9	-	9												A -	-	-	-	-	-	-	-	-	-	-	-	2	3	3	1		-	
-- BITI Turnkey Projects - AD Installation																																				
Prior Years Deliveries: 10																																				
	2	2015	AF	8	-	8																							A -	-	-	-	-	-	-	8
-- BITI Turnkey Projects - Reserve Installation																																				
	3	2015	AF	5	-	5																							A -	-	-	-	-	-	-	5
-- BITI Turnkey Projects - Reserve Site Survey																																				
	4	2014	AF	5	-	5													A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	
-- BITI - Turnkey Modernization AD Site Survey																																				
	5	2014	AF	1	-	1												A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		-	
-- BITI - Turnkey Moderization AD Installation																																				
	6	2014	AF	2	-	2												A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		-
	6	2015	AF	3	-	3																												A -	3	
-- BITI - Recapitalization AD Site Survey																																				
	7	2015	AF	32	-	32																													32	
	7	2016	AF	29	-	29																													29	
	7	2017	AF	25	-	25																													25	
	7	2018	AF	3	-	3																													3	
	7	2019	AF	22	-	22																													22	
	7	2020	AF	20	-	20																													20	
-- BITI - Recapitalization AD Installation																																				
	8	2015	AF	32	-	32																													32	
	8	2016	AF	29	-	29																													29	
	8	2017	AF	25	-	25																													25	
	8	2018	AF	3	-	3																													3	
	8	2019	AF	22	-	22																													22	
	8	2020	AF	20	-	20																													20	
-- BITI - Recapitalization ANG Site Survey																																				
	9	2017	AF	12	-	12																													12	
	9	2018	AF	51	-	51																													51	
	9	2019	AF	13	-	13																													13	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					

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Exhibit P-21, Production Schedule: PB 2016 Air Force																				Date: February 2015											
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5										P-1 Line Item Number / Title: 835060 / Information Transport Systems										Item Number / Title [DODIC]: - / Information Transport Systems											
Cost Elements (Units in Each)							Fiscal Year 2014										Fiscal Year 2015														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014										Calendar Year 2015										B A L				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P
-- BITI - Recapitalization ANG Installation																															
	10	2017	AF	12	-	12																									12
	10	2018	AF	51	-	51																									51
	10	2019	AF	13	-	13																									13
-- BITI - Recapitalization Reserve Site Survey																															
	11	2015	AF	2	-	2																									2
	11	2016	AF	4	-	4																									4
	11	2017	AF	4	-	4																									4
	11	2020	AF	5	-	5																									5
-- BITI - Recapitalization Reserve Installation																															
	12	2015	AF	2	-	2																									2
	12	2016	AF	4	-	4																									4
	12	2017	AF	4	-	4																									4
	12	2020	AF	5	-	5																									5
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Air Force																			Date: February 2015													
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5										P-1 Line Item Number / Title: 835060 / Information Transport Systems										Item Number / Title [DODIC]: - / Information Transport Systems												
Cost Elements (Units in Each)							Fiscal Year 2016										Fiscal Year 2017															
O C C #	M F R #	F Y	S E R V I C E	P R O C Q T Y	A C C E P T P R I O R T O 1 O C T 2 0 1 5	B A L D U E A S O F 1 O C T 2 0 1 5	Calendar Year 2016										Calendar Year 2017															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
-- BITI Turnkey Projects - AD Site Survey																																
Prior Years Deliveries: 13																																
	1	2014	AF		9	9	-																									-
-- BITI Turnkey Projects - AD Installation																																
Prior Years Deliveries: 10																																
	2	2015	AF		8	-	8	-	-	-	2	2	2	1	1																	-
-- BITI Turnkey Projects - Reserve Installation																																
	3	2015	AF		5	-	5	-	-	-	-	2	2	1																		-
-- BITI Turnkey Projects - Reserve Site Survey																																
	4	2014	AF		5	2	3	2	1																							-
-- BITI - Turnkey Modernization AD Site Survey																																
	5	2014	AF		1	1	-																									-
-- BITI - Turnkey Moderization AD Installation																																
	6	2014	AF		2	2	-																									-
	6	2015	AF		3	-	3	-	-	-	-	-	-	-	-	-	-	1	1	1												-
-- BITI - Recapitalization AD Site Survey																																
	7	2015	AF		32	-	32	-	-	2	3	4	4	4	4	4	3															-
	7	2016	AF		29	-	29				A -	-	-	-	-	-	-	-	-	-	-	2	4	4	4	4	4	4	4	3		-
	7	2017	AF		25	-	25															A -	-	-	-	-	-	-	-	-		25
	7	2018	AF		3	-	3																									3
	7	2019	AF		22	-	22																									22
	7	2020	AF		20	-	20																									20
-- BITI - Recapitalization AD Installation																																
	8	2015	AF		32	-	32	-	-	-	-	-	-	-	2	4	4	4	4	4	4	3	3									-
	8	2016	AF		29	-	29				A -	-	-	-	-	-	-	-	-	-	-	2	4	4	4	4	4	4	3			-
	8	2017	AF		25	-	25															A -	-	-	-	-	-	-	-	-		25
	8	2018	AF		3	-	3																									3
	8	2019	AF		22	-	22																									22
	8	2020	AF		20	-	20																									20
-- BITI - Recapitalization ANG Site Survey																																
	9	2017	AF		12	-	12															A -	-	-	-	-	-	-	-	-		12
	9	2018	AF		51	-	51																									51
	9	2019	AF		13	-	13																									13
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Air Force																				Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5										P-1 Line Item Number / Title: 835060 / Information Transport Systems										Item Number / Title [DODIC]: - / Information Transport Systems												
Cost Elements (Units in Each)							Fiscal Year 2016												Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
-- BITI - Recapitalization ANG Installation																																
	10	2017	AF	12	-	12																										12
	10	2018	AF	51	-	51																										51
	10	2019	AF	13	-	13																										13
-- BITI - Recapitalization Reserve Site Survey																																
	11	2015	AF	2	-	2	-	-	-	-	-	-	1	1																		-
	11	2016	AF	4	-	4				A -	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1							-
	11	2017	AF	4	-	4																	A -	-	-	-	-	-	-	-	-	4
	11	2020	AF	5	-	5																										5
-- BITI - Recapitalization Reserve Installation																																
	12	2015	AF	2	-	2	-	-	-	-	-	-	1	1																		-
	12	2016	AF	4	-	4				A -	-	-	-	-	-	-	-	-	-	-	-	1	2	1								-
	12	2017	AF	4	-	4																	A -	-	-	-	-	-	-	-	-	4
	12	2020	AF	5	-	5																										5
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Air Force																			Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5										P-1 Line Item Number / Title: 835060 / Information Transport Systems										Item Number / Title [DODIC]: - / Information Transport Systems														
Cost Elements (Units in Each)							Fiscal Year 2018										Fiscal Year 2019																	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 7	BAL DUE AS OF 1 OCT	Calendar Year 2018										Calendar Year 2019										B A L							
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P			
-- BITI Turnkey Projects - AD Site Survey																																		
Prior Years Deliveries: 13																																		
	1	2014	AF	9	9	-																											-	
-- BITI Turnkey Projects - AD Installation																																		
Prior Years Deliveries: 10																																		
	2	2015	AF	8	8	-																											-	
-- BITI Turnkey Projects - Reserve Installation																																		
	3	2015	AF	5	5	-																											-	
-- BITI Turnkey Projects - Reserve Site Survey																																		
	4	2014	AF	5	5	-																											-	
-- BITI - Turnkey Modernization AD Site Survey																																		
	5	2014	AF	1	1	-																											-	
-- BITI - Turnkey Moderization AD Installation																																		
	6	2014	AF	2	2	-																											-	
	6	2015	AF	3	3	-																											-	
-- BITI - Recapitalization AD Site Survey																																		
	7	2015	AF	32	32	-																											-	
	7	2016	AF	29	29	-																											-	
	7	2017	AF	25	-	25	-	-	-	2	4	4	4	4	4	3											-							
	7	2018	AF	3	-	3				A -	-	-	-	-	-	-	-	-	-	-	1	1	1											-
	7	2019	AF	22	-	22															A -	-	-	-	-	-	-	-	-	-	22			
	7	2020	AF	20	-	20																									20			
-- BITI - Recapitalization AD Installation																																		
	8	2015	AF	32	32	-																											-	
	8	2016	AF	29	29	-																											-	
	8	2017	AF	25	-	25	-	-	-	2	3	4	4	4	4	4											-							
	8	2018	AF	3	-	3				A -	-	-	-	-	-	-	-	-	-	-	1	1	1											-
	8	2019	AF	22	-	22															A -	-	-	-	-	-	-	-	-	-	22			
	8	2020	AF	20	-	20																									20			
-- BITI - Recapitalization ANG Site Survey																																		
	9	2017	AF	12	-	12	-	-	-	2	4	3	3											-										
	9	2018	AF	51	-	51				A -	-	-	-	-	-	-	-	-	-	-	2	4	5	5	5	5	5	4	4		12			
	9	2019	AF	13	-	13															A -	-	-	-	-	-	-	-	-	-	13			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			

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Exhibit P-21, Production Schedule: PB 2016 Air Force																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5										P-1 Line Item Number / Title: 835060 / Information Transport Systems													Item Number / Title [DODIC]: - / Information Transport Systems									
Cost Elements (Units in Each)							Fiscal Year 2018												Fiscal Year 2019													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
-- BITI - Recapitalization ANG Installation																																
	10	2017	AF		12	-	12	-	-	-	2	4	3	3																	-	
	10	2018	AF		51	-	51				A -	-	-	-	-	-	-	-	-	-	2	4	5	5	5	5	5	4	4	12		
	10	2019	AF		13	-	13													A -	-	-	-	-	-	-	-	-	-	13		
-- BITI - Recapitalization Reserve Site Survey																																
	11	2015	AF		2	2	-																								-	
	11	2016	AF		4	4	-																								-	
	11	2017	AF		4	-	4	-	-	-	1	2	1																	-		
	11	2020	AF		5	-	5																							5		
-- BITI - Recapitalization Reserve Installation																																
	12	2015	AF		2	2	-																								-	
	12	2016	AF		4	4	-																								-	
	12	2017	AF		4	-	4	-	-	-	1	2	1																	-		
	12	2020	AF		5	-	5																							5		
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Air Force																							Date: February 2015											
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5										P-1 Line Item Number / Title: 835060 / Information Transport Systems													Item Number / Title [DODIC]: - / Information Transport Systems											
Cost Elements (Units in Each)							Fiscal Year 2020													Fiscal Year 2021														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020													Calendar Year 2021													B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
-- BITI - Recapitalization ANG Installation																																		
	10	2017	AF		12	-																											-	
	10	2018	AF		51	39	12	4	4	4																								-
	10	2019	AF		13	-	13	-	-	-	2	4	4	3																			-	
-- BITI - Recapitalization Reserve Site Survey																																		
	11	2015	AF		2	2	-																											-
	11	2016	AF		4	4	-																											-
	11	2017	AF		4	4	-																											-
	11	2020	AF		5	-	5				A	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2							-	
-- BITI - Recapitalization Reserve Installation																																		
	12	2015	AF		2	2	-																											-
	12	2016	AF		4	4	-																											-
	12	2017	AF		4	4	-																											-
	12	2020	AF		5	-	5				A	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2							-	
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Air Force			Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5		P-1 Line Item Number / Title: 835060 / Information Transport Systems			Item Number / Title [DODIC]: - / Information Transport Systems

		Production Rates (Each / Month)			Procurement Leadtime (Months)							
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	VARIOUS - Multiple	-	-	60	-	8	12	20	-	-	-	-
2	VARIOUS - Multiple	-	-	60	-	7	9	16	-	-	-	-
3	VARIOUS - Multiple	-	-	60	-	5	12	17	-	-	-	-
4	VARIOUS - Multiple	-	-	60	-	12	12	24	-	-	-	-
5	VARIOUS - Multiple	-	-	60	-	10	12	22	-	-	-	-
6	VARIOUS - Multiple	-	-	60	-	12	12	24	-	-	-	-
7	VARIOUS - Multiple	-	-	60	-	4	12	16	-	-	-	-
8	VARIOUS - Multiple	-	-	60	-	4	12	16	-	-	-	-
9	VARIOUS - Multiple	-	-	60	-	4	12	16	-	-	-	-
10	VARIOUS - Multiple	-	-	60	-	4	12	16	-	-	-	-
11	VARIOUS - Multiple	-	-	60	-	4	12	16	-	-	-	-
12	VARIOUS - Multiple	-	-	60	-	4	12	16	-	-	-	-

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

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications							P-1 Line Item Number / Title: 835080 / AFNET					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	81.533	90.487	103.748	-	103.748	90.063	171.672	170.705	136.828	-	845.036
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	81.533	90.487	103.748	-	103.748	90.063	171.672	170.705	136.828	-	845.036
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	81.533	90.487	103.748	-	103.748	90.063	171.672	170.705	136.828	-	845.036
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Description:												
AFNet Systems provide Commercial Off-The-Shelf (COTS) solutions to implement, deliver and upgrade installation processing nodes and boundaries, AF Gateways, enterprise network security, network situational awareness and C2 capabilities, and allow for the interface with and assured movement of information from terrestrial, air and space-based networks, thus enabling Air Force Information Operations (AFINOps). All funds used for AFNet Systems support the continued establishment and transformation of the AFINOps construct toward the standards and specifications of the DoD Joint Information Environment (JIE). The procurement efforts in this program budget line include, but are not limited to, equipment purchase, certification and accreditation, integration, deployment, associated training and interim contractor support. Procurements implement new technology and advanced capabilities within the AFNet in accordance with the DoD IT Roadmap, AF Cyber blueprint and the AF Network Action Plan. All activities may incorporate support to other program elements across the Air Force Information Enterprise in accordance with SAF/A6 CIO direction, the Federal Data Center Consolidation Initiative (FDCCI) and the Joint Information Environment (JIE) strategy.												
On 24 March 2013, USAF Chief of Staff approved the designation of six cyberspace/mission system constructs as Weapon Systems: 1. Air Force Cyberspace Defense (ACD), 2. Cyberspace Defense Analysis (CDA), 3. Cyberspace Vulnerability Assessment/Hunter (CVA/H), 4. Cyber Command and Control Mission Systems (C3MS), 5. Air Force Intranet Control (AFINC), and 6. Cyberspace Security and Control System (CSCS). Air Force Network (AFNet) is included in this construct; however, designation to a specific Weapons System(s) is not complete; AFNet is projected to execute fully out of the Weapon System construct in FY 2017.												
Three of these weapon systems are expected to be aligned within AFNet: ACD, AFINC, and CSCS.												
Weapon system definitions are as follows:												
ACD: Will provide active defensive counter cyberspace operations and situational awareness capabilities in a NetD role to achieve cyberspace superiority for assigned missions. ACD will conduct 24/7/365 monitoring and defense of US Air Force and US Central Command SIPR/NIPR computer networks against hostile attacks as well as intrusion detection, network traffic analysis, network forensics analysis, countermeasure development and execution, and incident response. These activities include, but are not limited to, indication and warning, correlation, logging, vulnerability remediation, assessment, process management, blocking, vulnerability identification, investigation and containment.												
AFINC: Will provide network operations, network defense and overall management of the AF NIPRNet gateways as well as the Air Force Community of Interest in the Joint Regional Security Stacks (JRSS). AFINC responsibilities will include delivering cyberspace situational awareness to AF leadership, develop and execute countermeasures in preparation for and response to hostile cyber-attacks; as well as												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications		P-1 Line Item Number / Title: 835080 / AFNET
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
provide the capability to analyze AFNet performance, issue temporary network addresses and domains and coordinate network maintenance. These activities include, but are not limited to, AFNET Management, crew mission consoles, process control, network status monitoring, and network forecasting, and the AF transition to the JRSS.		
CSCS: Will provide full spectrum network management and network defense for the Air Force to include, but not limited to, network defense for the Air Force-provisioned portions of the DoD Global Information Grid (AF-GIG), Network Operations (NETOPS), fault resolution activities to maintain operational capabilities. Lead in coordinating activities at the base-level Network Control Centers for necessary network security actions, monitoring of AF network services and manage boundary protection devices and the Air Force network infrastructure and continuous network situational awareness. These activities include, but are not limited to, directory and authentication services, messaging and collaboration, monitoring management, storage and virtualization, infrastructure, boundary protection, and cyber surety.		
PE 0303112F, AIR FORCE COMMUNICATION (AIRCOM):		
(1) AFNet Enclave Control Nodes (ECN): The existing Non-Secure Internet Protocol Router Network (NIPRNet) base security boundaries will comply with current DoD guidance and the Air Force Concept of Operations. ECN modification and capital equipment replacement of the entire base-level cyber security boundary includes, but is not limited to, the following capabilities: next generation firewall (NGFW), full packet capture (FPC), integrated management of the NIPRNet base-level cyber security boundary, Enterprise Logging Management, Network Leak Detection and Malware Analysis capabilities. ECN will provide enhanced network security, event capture, traffic/data forensics, and data flow analysis.		
(2) AFNet Host Based Security System (HBSS): AFNet HBSS is a mission critical cyber defense tool that was originated and mandated by USCYBERCOM (formerly Joint Task Force-Global Network Operations) Communications Tasking Order (CTO) 07-12. The Enterprise Solutions Steering Group (ESSG) mandated AFNet HBSS with Defense Information Systems Agency (DISA) as the lead. The CTO mandates the deployment and continued improvement of the AFNet HBSS, including but not limited to, the following capabilities: Host-based Intrusion Prevention System/Host-based Intrusion Detection System (HIPS/HIDS), Assets Module, Rogue System Detection, Policy Auditor, Antivirus, Spyware Module, Network Access Control and Device Control. AFNet HBSS is based on Commercial Off- The-Shelf (COTS) hardware and software. AFNet HBSS provides host based Information Assurance security policy protection, and reporting to every Air Force enterprise client. The components for the system include hardware, software, and integration for modification efforts.		
The AFNet requirement and funding for this PE in FY17 will transition to PE 0208088F as the ACD weapon system.		
PE 0207425F, AF NETWORK OPS AND COMMAND COMMS:		
This project is not a new start, funding was previously justified under PE 0303112F.		
(1) AFNet Infrastructure: AFNet Infrastructure procures timely, capital replacement of system and sub-system hardware and software to respond to obsolescence issues and evolving cyber threats. Requirements are comprised of components of an interoperating system across the entire AFNet whose certification and accreditation maintains approved operational safety, suitability and effectiveness criteria.		
(a) AFNet NIPR Gateways (MAC-1 system) and SIPR Gateways (GW), which deliver critical network defense capabilities for the AF enterprise with over 800k users directly supporting flying, maintenance, space and cyber operations across the full range of military operations. GWs prevent and detect unauthorized network infiltration attempts, automatically initiating network defense countermeasures eliminating adversary ability to gain access to the enterprise which would diminish the AF information defense posture. GWs directly support cyber operations worldwide enabling war-fighting missions. Funding enables capital equipment replacement and integration for the system and its sub-components to respond to growing mission requirements and evolving cyber threats. Includes procuring equipment upgrades that directly relate to the migration of AF traffic and technology transition from the AFNet NIPR Gateways to the Joint Regional Security Stacks (JRSS).		
(b) AFNet Vulnerability Management (AFVM): AFVM deploys tools in the AFNet to reduce vulnerabilities on the enterprise network to include Defense Information System Agency (DISA) mandated tools. AFVM provides the AF a set of standardized cyber defense tools and processes for enterprise-wide vulnerability scanning, remediation, quarantine, reporting, network access control, and information sharing. AFVM formerly was under its own program system code; it is now funded via the AFNet Infrastructure program system code.		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications		P-1 Line Item Number / Title: 835080 / AFNET
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>(c) Data Center Consolidation/ADX Infrastructure Management: Supports JIE and Federal Data Center Consolidation Initiative (FDCCI) mandates to reduce floor space and energy footprint while increasing joint use. Also, standardizes disparate base-level and Network Control Center assets, Regional Processing/Data Center (RPC/RDC) and Area Processing Centers (APC) into Installation Processing Nodes (IPN) and Special Purpose Processing Nodes (SPPN). This activity also includes migration of applications, services and associated capabilities into IPNs, SPPNs or Core Data Centers managed by Defense Information Services Agency (DISA) or DoD certified commercial cloud service provider. This project provides a standard architecture while mitigating obsolescence, simplifying and automating IT activities, reducing manpower requirements, IT footprint, and energy costs.</p> <p>The AFNet requirement and funding for this PE in FY17 will transition to PE 0303089F as the AFINC and CSCS weapon system.</p> <p>PE 0303089F, CYBERSPACE OPERATIONS SYSTEMS:</p> <p>This project is an FY16 new start</p> <p>The Joint Regional Security Stack (JRSS) project acquires NIPRNet and SIPRNet boundary infrastructure hardware and software. This infrastructure enables transition of Air Force network from the Air Force NIPRNet Gateways and SIPRNet C2 Control Nodes to a common, standard DoD multi-protocol label switching architecture, enabling inter and intra-agency network management and defensive operations</p> <p>This PE in FY17 will include the requirements and funding for the AFINC and CSCS weapon system.</p> <p>PE 0301400F, AFNET:</p> <p>This project is an FY16 new start</p> <p>Cyber Situational Awareness Weapon System (CSAWS): is a process for connecting 24 AF unfiltered AF traffic flow and moving it to 25 AF for PAD (Processing, Analysis and Distribution) enabling the first AF Cyber ISR collection and processing capability to provide ISR based adversary cyber activity Indications and Warnings (I&W) for Situational Awareness (SA). The program provides a dedicated AF Cyber ISR platform (Remote Data Collector and Remote Data Processor) array that connects to the highest level at the network gateway locations to obtain unfiltered netflow and packet capture (PCAP). This data is moved via long-haul to the 25 AF El Dorado PAD system for analysis. The fusion of all source intelligence and net flow analysis provides actionable CTA (Cyber Threat Advisories) reports to cyber operators for the appropriate and proactive actions.</p> <p>Funding for this exhibit is contained in PE 0303112F, 0207425F, 0303089F, & 0301400F.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications					P-1 Line Item Number / Title: 835080 / AFNET			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
AF Network Ops and Command Comms	P-5, P-5a		- / 0.000	- / -	- / -	1 / 54.049	- / -	1 / 54.049
Cyber Situational Awareness Weapon System (CSAWS)	P-40a	A	- / 0.000	- / -	- / -	- / 2.337	- / -	- / 2.337
Joint Regional Security Stacks (JRSS)	P-40a	A	- / 0.000	- / -	- / -	- / 17.684	- / -	- / 17.684
Air Force Communications (AIRCOM)	P-5, P-5a		- / 0.000	1 / 81.533	1 / 90.487	- / 29.678	- / -	- / 29.678
Total Gross/Weapon System Cost			- / 0.000	- / 81.533	- / 90.487	- / 103.748	- / -	- / 103.748
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
AF Network Ops and Command Comms	P-5, P-5a		1 / 27.268	1 / 91.567	1 / 93.282	1 / 94.981	- / -	5 / 361.147
Cyber Situational Awareness Weapon System (CSAWS)	P-40a	A	- / 5.153	- / 11.421	- / 9.358	- / 9.554	- / -	- / 37.823
Joint Regional Security Stacks (JRSS)	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / 17.684
Air Force Communications (AIRCOM)	P-5, P-5a		1 / 57.642	1 / 68.684	1 / 68.065	1 / 32.293	- / -	6 / 428.382
Total Gross/Weapon System Cost			- / 90.063	- / 171.672	- / 170.705	- / 136.828	- / -	- / 845.036
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
<p>Justification: FY16 AFNET (835080) funding provides for, but is not limited to, procurement & modification of the installed and supported critical classified and unclassified information equipment capabilities for the Air Force Network (AFNet) Systems and modification efforts within all three major weapon system components (ACD, AFINC & CSCS).</p> <p>FY16 PE 0303112F (AIR FORCE COMMUNICATION (AIRCOM)) funding provides for, but is not limited to:</p> <p>AFNet Enclave Control Nodes (ECN) provides modification and capital equipment replacement of the entire Air Force base-level cyber security boundary, and acquires/deploys firewalls, enterprise log management, and leak detection.</p> <p>AFNet Host Based Security System (HBSS) provides the USCYBERCOM mandated periodic DISA SW/HW updates.</p> <p>FY16 PE 0207425F (AF NETWORK OPS AND COMMAND COMMS) funding provides for, but is not limited to:</p> <p>AFNet Infrastructure provides capital replacement of system and sub-system hardware to respond to obsolescence issues and evolving cyber threats.</p> <p>AFNet Gateways provides for Service Delivery Port (SDP) and Secure Socket Layer (SSL) modernization. Includes procuring equipment upgrades that directly relate to the migration of AF traffic and technology transition from AFNet Gateways to Joint Regional Security Stacks.</p> <p>AFNet Vulnerability Management (AFVM) procures and implements DISA mandated tools to ID and reduce vulnerabilities on the enterprise network (ie. Assured Compliance Assessment System).</p>								

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications		P-1 Line Item Number / Title: 835080 / AFNET
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>Data Server Consolidation/ADX Infrastructure implements actions/resources towards consolidation of Area Processing Centers (APC) and Regional Data Centers (RDC), establishment of virtual server environments, and Federal Data Center Consolidation Initiative actions (IPN Boundary Effort and IPN Pathfinder Programs).</p> <p>FY16 PE 0303089F (CYBERSPACE OPERATIONS SYSTEMS) funding provides for, but is not limited to:</p> <p>Procurement of infrastructure hardware and software for the Joint Regional Security Stack (JRSS).</p> <p>FY16 0301400 (AFNET) funding provides for, but is not limited to:</p> <p>Procurement of material, warranties, and licenses associated with the standup of the Remote Data Collection (RDC) and Remote Data Processing (RDP) capabilities of the CSAWS program.</p>		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force									Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5				P-1 Line Item Number / Title: 835080 / AFNET					Item Number / Title [DODIC]: - / AF Network Ops and Command Comms									
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:											
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total						
Procurement Quantity (Units in Each)	-	-	-	1	-	1	1	1	1	1	-	5						
Gross/Weapon System Cost (\$ in Millions)	0.000	-	-	54.049	-	54.049	27.268	91.567	93.282	94.981	-	361.147						
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) (\$ in Millions)	0.000	-	-	54.049	-	54.049	27.268	91.567	93.282	94.981	-	361.147						
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority (\$ in Millions)	0.000	-	-	54.049	-	54.049	27.268	91.567	93.282	94.981	-	361.147						
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)	0.000	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	54.049	-	54.049	27.268	91.567	93.282	94.981	-	72.229						
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Package Fielding - 0207425F Cost																		
Recurring Cost																		
AFNet NIPRNet Gateway - Prime Contract ^(†)	-	-	0.000	-	-	-	-	-	-	11.600	1	11.600	-	-	-	11.600	1	11.600
AFNet Infrastructure - Prime Contract ^(†)	-	-	0.000	-	-	-	-	-	-	16.329	1	16.329	-	-	-	16.329	1	16.329
Subtotal: Recurring Cost	-	-	0.000	-	-	-	-	-	-	-	-	27.929	-	-	-	-	-	27.929
Subtotal: Package Fielding - 0207425F Cost	-	-	0.000	-	-	-	-	-	-	-	-	27.929	-	-	-	-	-	27.929
Support - 0207425F Cost																		
AFNet 0207425F - Direct Mission Support	-	-	0.000	-	-	-	-	-	-	-	-	15.530	-	-	-	-	-	15.530
AFNet 0207425F - PMA - Contractor Support	-	-	0.000	-	-	-	-	-	-	-	-	9.430	-	-	-	-	-	9.430
AFNet 0207425F - PMA - Other Government Cost	-	-	0.000	-	-	-	-	-	-	-	-	1.160	-	-	-	-	-	1.160
Subtotal: Support - 0207425F Cost	-	-	0.000	-	-	-	-	-	-	-	-	26.120	-	-	-	-	-	26.120
Gross/Weapon System Cost	-	-	0.000	-	-	-	-	-	-	54.049	1	54.049	-	-	-	54.049	1	54.049

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5							P-1 Line Item Number / Title: 835080 / AFNET						Item Number / Title [DODIC]: - / AF Network Ops and Command Comms					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Package Fielding - 0207425F Cost																		
Recurring Cost																		
AFNet NIPRNet Gateway - Prime Contract ^(†)	2.456	1	2.456	-	-	-	-	-	-	-	-	-	-	-	-	7.028	2	14.056
AFNet Infrastructure - Prime Contract ^(†)	0.943	1	0.943	59.394	1	59.394	67.130	1	67.130	76.080	1	76.080	-	-	-	43.975	5	219.876
Subtotal: Recurring Cost	-	-	3.399	-	-	59.394	-	-	67.130	-	-	76.080	-	-	-	-	-	233.932
Subtotal: Package Fielding - 0207425F Cost	-	-	3.399	-	-	59.394	-	-	67.130	-	-	76.080	-	-	-	-	-	233.932
Support - 0207425F Cost																		
AFNet 0207425F - Direct Mission Support	-	-	12.173	-	-	17.193	-	-	13.562	-	-	10.651	-	-	-	-	-	69.109
AFNet 0207425F - PMA - Contractor Support	-	-	10.116	-	-	13.330	-	-	11.180	-	-	7.340	-	-	-	-	-	51.396
AFNet 0207425F - PMA - Other Government Cost	-	-	1.580	-	-	1.650	-	-	1.410	-	-	0.910	-	-	-	-	-	6.710
Subtotal: Support - 0207425F Cost	-	-	23.869	-	-	32.173	-	-	26.152	-	-	18.901	-	-	-	-	-	127.215
Gross/Weapon System Cost	27.268	1	27.268	91.567	1	91.567	93.282	1	93.282	94.981	1	94.981	-	-	-	72.229	5	361.147
Remarks: AFNet requirements currently residing under PE 0207425F will transition to multiple weapon systems (Air Force Intranet Control (AFINC) and Cyberspace Security and Control System (CSCS) weapon systems) in FY17 and will reside in PE 0303089F. AFNet Infrastructure QTYs are based on the total AFNet System requirement. Average cost has significant variability due to size and complexity of bases/projects. PROGRAM MANAGEMENT ADMINISTRATION (PMA): PMA supports the operation of the program office in its management and oversight role. PMA supports the AFNet with engineering and technical support, as well as, support activities for the program. DIRECT MISSION SUPPORT (DMS): DMS includes all support associated with equipment installation, engineering, technical orders, sustainment engineering and implementation. This includes the initial bed down and operability testing, technical interchange meetings, interim contractor support and events associated with fielding both hardware and software products, and maintaining configuration control of fielded products. Average cost has significant variability due to size and complexity of bases/projects. (†) indicates the presence of a P-5a																		

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Air Force

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5								P-1 Line Item Number / Title: 835080 / AFNET							Aggregated Items Title: 0301400F AFNET				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Support																				
Cyber Situational Awareness Weapon System (CSAWS)	A		-	-	0.000	-	-	-	-	-	-	-	-	2.337	-	-	-	-	-	2.337
Subtotal: Support			-	-	0.000	-	-	-	-	-	-	-	-	2.337	-	-	-	-	-	2.337
Total			-	-	0.000	-	-	-	-	-	-	-	-	2.337	-	-	-	-	-	2.337

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Support																				
Cyber Situational Awareness Weapon System (CSAWS)	A		-	-	5.153	-	-	11.421	-	-	9.358	-	-	9.554	-	-	-	-	-	37.823
Subtotal: Support			-	-	5.153	-	-	11.421	-	-	9.358	-	-	9.554	-	-	-	-	-	37.823
Total			-	-	5.153	-	-	11.421	-	-	9.358	-	-	9.554	-	-	-	-	-	37.823

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5								P-1 Line Item Number / Title: 835080 / AFNET							Aggregated Items Title: Cyberspace Operations Systems				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Support																				
Joint Regional Security Stacks (JRSS)	A		-	-	0.000	-	-	-	-	-	-	-	-	17.684	-	-	-	-	-	17.684
Subtotal: Support			-	-	0.000	-	-	-	-	-	-	-	-	17.684	-	-	-	-	-	17.684
Total			-	-	0.000	-	-	-	-	-	-	-	-	17.684	-	-	-	-	-	17.684

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Support																				
Joint Regional Security Stacks (JRSS)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.684	
Subtotal: Support			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.684	
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.684	

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Exhibit P-5, Cost Analysis: PB 2016 Air Force								Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5				P-1 Line Item Number / Title: 835080 / AFNET				Item Number / Title [DODIC]: - / Air Force Communications (AIRCOM)										
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:											
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total					
Procurement Quantity <i>(Units in Each)</i>		-	1	1	-	-	-	1	1	1	1	-	6					
Gross/Weapon System Cost <i>(\$ in Millions)</i>		0.000	81.533	90.487	29.678	-	29.678	57.642	68.684	68.065	32.293	-	428.382					
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P1) <i>(\$ in Millions)</i>		0.000	81.533	90.487	29.678	-	29.678	57.642	68.684	68.065	32.293	-	428.382					
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-					
Total Obligation Authority <i>(\$ in Millions)</i>		0.000	81.533	90.487	29.678	-	29.678	57.642	68.684	68.065	32.293	-	428.382					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>		0.000	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>		-	81.533	90.487	-	-	-	57.642	68.684	68.065	32.293	-	71.397					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Package Fielding - 0303112F Cost																		
Recurring Cost																		
AFNet Enclave Control Nodes - Prime Contract ^(†)	-	-	0.000	-	-	-	-	-	-	14.161	1	14.161	-	-	-	14.161	1	14.161
AFNet Host Based Security System - Prime Contract ^(†)	-	-	0.000	8.270	1	8.270	8.860	1	8.860	9.180	1	9.180	-	-	-	9.180	1	9.180
AFNet NIPRNet Gateway - Prime Contract ^(†)	-	-	0.000	41.050	1	41.050	8.800	1	8.800	-	-	-	-	-	-	-	-	-
AFNet Infrastructure - Prime Contract ^(†)	-	-	0.000	1.590	1	1.590	50.400	1	50.400	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.000	-	-	50.910	-	-	68.060	-	-	23.341	-	-	-	-	-	23.341
Subtotal: Package Fielding - 0303112F Cost	-	-	0.000	-	-	50.910	-	-	68.060	-	-	23.341	-	-	-	-	-	23.341
Support - 0303112F Cost																		
AFNet 0303112F - Direct Mission Support	-	-	0.000	-	-	12.810	-	-	8.970	-	-	1.875	-	-	-	-	-	1.875
AFNet 0303112F - PMA - Contract Services	-	-	0.000	-	-	15.630	-	-	11.339	-	-	4.010	-	-	-	-	-	4.010
AFNet 0303112F - PMA - Other Government Cost	-	-	0.000	-	-	2.183	-	-	2.118	-	-	0.452	-	-	-	-	-	0.452

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5						P-1 Line Item Number / Title: 835080 / AFNET						Item Number / Title [DODIC]: - / Air Force Communications (AIRCOM)						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Subtotal: Support - 0303112F Cost	-	-	0.000	-	-	30.623	-	-	22.427	-	-	6.337	-	-	-	-	-	6.337
Gross/Weapon System Cost	-	-	0.000	81.533	1	81.533	90.487	1	90.487	-	-	29.678	-	-	-	-	-	29.678
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Package Fielding - 0303112F Cost																		
Recurring Cost																		
AFNet Enclave Control Nodes - Prime Contract ^(†)	36.414	1	36.414	46.284	1	46.284	47.933	1	47.933	12.020	1	12.020	-	-	-	31.362	5	156.812
AFNet Host Based Security System - Prime Contract ^(†)	9.446	1	9.446	10.143	1	10.143	13.800	1	13.800	11.776	1	11.776	-	-	-	10.211	7	71.475
AFNet NIPRNet Gateway - Prime Contract ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.925	2	49.850
AFNet Infrastructure - Prime Contract ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.995	2	51.990
Subtotal: Recurring Cost	-	-	45.860	-	-	56.427	-	-	61.733	-	-	23.796	-	-	-	-	-	330.127
Subtotal: Package Fielding - 0303112F Cost	-	-	45.860	-	-	56.427	-	-	61.733	-	-	23.796	-	-	-	-	-	330.127
Support - 0303112F Cost																		
AFNet 0303112F - Direct Mission Support	-	-	3.214	-	-	3.524	-	-	1.519	-	-	1.547	-	-	-	-	-	33.459
AFNet 0303112F - PMA - Contract Services	-	-	7.712	-	-	7.859	-	-	4.332	-	-	6.256	-	-	-	-	-	57.138
AFNet 0303112F - PMA - Other Government Cost	-	-	0.856	-	-	0.874	-	-	0.481	-	-	0.694	-	-	-	-	-	7.658
Subtotal: Support - 0303112F Cost	-	-	11.782	-	-	12.257	-	-	6.332	-	-	8.497	-	-	-	-	-	98.255
Gross/Weapon System Cost	57.642	1	57.642	68.684	1	68.684	68.065	1	68.065	32.293	1	32.293	-	-	-	71.397	6	428.382
Remarks: AFNet requirements currently residing in PE 0303112F will transition to a weapon system (Air Force Cyberspace Defense (ACD)) in FY17 and will reside in PE 0208088F.																		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5	P-1 Line Item Number / Title: 835080 / AFNET	Item Number / Title [DODIC]: - / Air Force Communications (AIRCOM)
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
<p>AFNet Infrastructure QTYs are based on the total AFNet System requirement. Average cost has significant variability due to size and complexity of bases/projects.</p> <p>PROGRAM MANAGEMENT ADMINISTRATION (PMA): PMA supports the operation of the program office in its management and oversight role. PMA supports the AFNet with engineering and technical support, as well as, support activities for the program.</p> <p>DIRECT MISSION SUPPORT (DMS): DMS includes all support associated with equipment installation, engineering, technical orders, sustainment engineering and implementation. This includes the initial bed down and operability testing, technical interchange meetings, interim contractor support and events associated with fielding both hardware and software products, and maintaining configuration control of fielded products.</p> <p>Average cost has significant variability due to size and complexity of bases/projects.</p> <p>Reduction in FY15 (\$31.3M) is due to realignment of funding to BITI (835060) to correct previous funding misalignment error.</p> <p>(t) indicates the presence of a P-5a</p>		

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5				P-1 Line Item Number / Title: 835080 / AFNET					Item Number / Title [DODIC]: - / Air Force Communications (AIRCOM)			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
AFNet Enclave Control Nodes - Prime Contract		2016	TBD / N/A	TBD	Hanscom AFB	Jan 2016	May 2016	1	14.161	Y		
AFNet Enclave Control Nodes - Prime Contract		2017	TBD / N/A	TBD	Hanscom AFB	Jan 2017	May 2017	1	36.414	Y		
AFNet Enclave Control Nodes - Prime Contract		2018	TBD / N/A	TBD	Hanscom AFB	Jan 2018	May 2018	1	46.284	Y		
AFNet Enclave Control Nodes - Prime Contract		2019	TBD / N/A	TBD	Hanscom AFB	Jan 2019	May 2019	1	47.933	Y		
AFNet Enclave Control Nodes - Prime Contract		2020	TBD / N/A	TBD	Hanscom AFB	Jan 2020	Jul 2020	1	12.020	Y		
AFNet Host Based Security System - Prime Contract		2014	GDIT / Needham, MA	C / LH	Hanscom AFB	Mar 2015	Sep 2015	1	8.270	Y		Sep 2014
AFNet Host Based Security System - Prime Contract		2015	TBD / N/A	C / LH	Hanscom AFB	Jan 2016	Nov 2016	1	8.860	Y		Aug 2015
AFNet Host Based Security System - Prime Contract		2016	TBD / N/A	C / LH	Hanscom AFB	Jan 2016	Jul 2016	1	9.180	Y		
AFNet Host Based Security System - Prime Contract		2017	TBD / N/A	C / LH	Hanscom AFB	May 2017	May 2018	1	9.446	Y		
AFNet Host Based Security System - Prime Contract		2018	TBD / N/A	C / LH	Hanscom AFB	Jan 2018	Jul 2018	1	10.143	Y		
AFNet Host Based Security System - Prime Contract		2019	TBD / N/A	C / LH	Hanscom AFB	Nov 2018	Nov 2019	1	13.800	Y		
AFNet Host Based Security System - Prime Contract		2020	TBD / N/A	C / LH	Hanscom AFB	Jan 2020	Jul 2020	1	11.776	Y		
AFNet NIPRNet Gateway - Prime Contract		2014	Three Wire Systems / 3130 Fairview Park Dr STE 425, Falls Church VA 22042-4521	C / FFP	Hanscom AFB	Oct 2014	Apr 2015	1	41.050	Y		Apr 2014
AFNet NIPRNet Gateway - Prime Contract		2015	Three Wire Systems / 3130 Fairview Park Dr STE 425, Falls Church VA 22042-4521	C / FFP	Hanscom AFB	Jun 2016	Dec 2016	1	8.800	Y		Apr 2014
AFNet Infrastructure - Prime Contract		2014	ACAS, NCI Information Systems / 11730 Plaza America Dr STE 700, Reston VA, 20190-4764	C / FFP	Hanscom AFB	Jul 2014	Jan 2015	1	1.590	Y		Jan 2014
AFNet Infrastructure - Prime Contract		2015	TBD / N/A	TBD	Hanscom AFB	Feb 2015	Aug 2015	1	50.400	Y		Aug 2014

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications							P-1 Line Item Number / Title: 835090 / Voice Systems					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0303112F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	1.138	-	-	-	-	-	-	-	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	1.138	-	-	-	-	-	-	-	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	1.138	-	-	-	-	-	-	-	-	-	-
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description: PE 0303112F VOICE SYSTEMS</p> <p>Voice Systems upgrades and modernizes the hardware and software that comprises the Air Force's voice infrastructure.</p> <p>VOICE SWITCH SYSTEMS (VSS): VSS replaces end of life capital equipment. VSS provides refresh and upgrade capability to Air Force Voice over Internet Protocol (VoIP) switches and replaces end of life legacy capital equipment to ensure the voice switches are within DISA standards. Voice switches connect the individual bases to the outside world; therefore the impact of a voice switch failure would be complete base voice systems failure and isolation from Defense Switched Network (DSN), Public Service Telephone Network (PSTN), Government Emergency Telephone System (GETS), and Land Mobile Radio (LMR) access. In addition, VSS provides upgrades to the Multi-Function Soft Switch (MFSS) in support of DISA Unified Capabilities (UC) for Internet Protocol(IP)-based telephone capabilities. VSS provides system support to critical Air Force telephone capabilities and appliances. This support is required for protecting the voice network from attacks, management, troubleshooting, emergency capabilities, and health/morale support.</p> <p>Defense Red Switch Network (DRSN): The DRSN is a Joint Staff directed network managed by DISA and implemented in the mid 1980s. DRSN ensures secure, reliable voice command and control to the National Command Authority, including nuclear command and control throughout the Department of Defense in addition to secure reliable command and control of joint operations. In 2007, DISA mandated that the Air Force upgrade the DRSN nodes to Digital Small Switch-2A (DSS-2A) switch platforms. This mandate was driven by end-of-life and non-supportability issues for system components.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications					P-1 Line Item Number / Title: 835090 / Voice Systems			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0303112F		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Voice Systems	P-5		- / -	- / 1.138	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / -	- / 1.138	- / -	- / -	- / -	- / -
<p>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</p>								
<p>Justification: PE 0303112F VOICE SYSTEMS</p> <p>VOICE SWITCH SYSTEMS (VSS): No FY16 funding requested.</p> <p>Defense Red Switch Network (DRSN): No FY16 funding requested.</p>								

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Exhibit P-5, Cost Analysis: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5							P-1 Line Item Number / Title: 835090 / Voice Systems							Item Number / Title [DODIC]: - / Voice Systems					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total					
Procurement Quantity <i>(Units in Each)</i>				-		-		-		-		-		-					
Gross/Weapon System Cost <i>(\$ in Millions)</i>				-		1.138		-		-		-		-					
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Net Procurement (P1) <i>(\$ in Millions)</i>				-		1.138		-		-		-		-					
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Total Obligation Authority <i>(\$ in Millions)</i>				-		1.138		-		-		-		-					
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																			
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																			
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total			
	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	
Support - Support End Item Cost																			
Voice Switch Systems - Direct Mission Support	-	-	-	-	-	0.155	-	-	-	-	-	-	-	-	-	-	-	-	
Voice Switch Systems - PMA Contractor Services	-	-	-	-	-	0.553	-	-	-	-	-	-	-	-	-	-	-	-	
Voice Switch Systems - PMA Government Costs	-	-	-	-	-	0.430	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	1.138	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost	-	-	-	-	-	1.138	-	-	-	-	-	-	-	-	-	-	-	-	
<p>Remarks:</p> <p>Unit cost has significant variability due to size and complexity of bases. A quantity is defined as a location and is projected based on mission requirements and funding availability.</p> <p>PROGRAM MANAGEMENT ADMINISTRATION (PMA): PMA for Voice Systems supports the operation of the program office in its management and oversight role, to include engineering and technical support, as well as support activities for the program.</p> <p>DIRECT MISSION SUPPORT (DMS): DMS for Voice Systems includes all support associated with equipment installation, engineering, technical orders, sustainment engineering and implementation. This includes the initial bed down and operability testing, technical interchange meetings, interim contractor support and events associated with fielding both hardware and software products, and maintaining configuration control of fielded products.</p>																			

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications							P-1 Line Item Number / Title: 835110 / Joint Communications Support Element (JCSE)					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	5.199	-	5.199	5.225	5.124	5.215	5.308	-	26.071
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	5.199	-	5.199	5.225	5.124	5.215	5.308	-	26.071
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	5.199	-	5.199	5.225	5.124	5.215	5.308	-	26.071
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE): JCSE, assigned under Joint Enabling Capabilities Command, US Transportation Command, is the only joint Department of Defense (DoD) unit specifically formed to provide C4 systems support for Joint Chiefs of Staff (JCS) contingency operations worldwide. The Joint Communications Support Element (JCSE) mission is to provide, on short notice, those critical communications required to support Joint Task Force support (JTF) and Joint Special Operations Task Force (JSOTF) headquarters. These assets support the warfighter's ability to deploy rapidly and immediately provide the positive command and control required. This support includes contingency and crisis communications for the Joint Chiefs of Staff, Combatant Commands, Services, Defense agencies, non-Defense agencies, and foreign governments. The modernization program goals include meeting emerging real-world operational requirements with improved capabilities, smaller footprint, reduced operations and maintenance costs, and seamless integration with the global information grid. Per Defense Planning Guidance (DPG), the Air Force is mandated to fund 1/3rd fair share of JCSE's validated equipment modernization plan.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications					P-1 Line Item Number / Title: 835110 / Joint Communications Support Element (JCSE)			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
JCSE Deployable C3 Systems	P-40a	A	- / -	- / -	- / -	1 / 5.199	- / -	1 / 5.199
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / 5.199	- / -	- / 5.199
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:
 JCSE: FY2016 base funding in the amount of \$5.233M procures communications equipment based on Strategic Planning Guidance; which includes major upgrades to large and small aperture mobile satellite systems, Everything over Internet Protocol (EoIP), Airborne/En-Route, and terrestrial and single-channel equipment. Currently employed commercial-off-the-shelf (COTS) equipment is approaching the end of its life cycle and requires replacement, along with technology refreshment; to meet the modernization program goals which include meeting emerging real-world operational requirements with improved capabilities, smaller footprint, reduced operations and maintenance costs, and seamless integration with the global information grid. This equipment is a critical part of Command and Control communications packages that provide direct operational support to joint forces and HQ elements deployed to austere locations around the globe. Per the Planning Guidance, the Air Force is mandated to fund one-third of the fair share of JCSE's validated equipment modernization plan. JCSE's Modernization Program is built/restructured based on Combatant Command (CCMD) and Service Components' requirements and emerging technologies. Service's influence JCSE's spending plan through recommendations in concert with MDAP schedules, ensuring that Service dollars meet Joint Service requirements.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5								P-1 Line Item Number / Title: 835110 / Joint Communications Support Element (JCSE)							Aggregated Items Title: Joint Communications Support Element (JCSE)				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
JCSE																				
JCSE Deployable C3 Systems	A		-	-	-	-	-	-	-	-	-	5.199	1	5.199	-	-	-	5.199	1	5.199
Subtotal: JCSE			-	-	-	-	-	-	-	-	-	-	-	5.199	-	-	-	-	-	5.199
Total			-	-	-	-	-	-	-	-	-	-	-	5.199	-	-	-	-	-	5.199

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications							P-1 Line Item Number / Title: 835140 / USCENTCOM					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	18.108	16.342	15.780	10.000	25.780	30.033	27.605	56.134	25.705	-	199.707
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	18.108	16.342	15.780	10.000	25.780	30.033	27.605	56.134	25.705	-	199.707
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	18.108	16.342	15.780	10.000	25.780	30.033	27.605	56.134	25.705	-	199.707
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	18.100	16.340	15.780	-	15.780	-	-	-	-	-	50.220
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description: The FY2016 funding request was reduced by \$3.903M to account for the availability of prior execution balances</p> <p>PE 0201122F USCENTCOM COMMUNICATIONS</p> <p>HQ USCENTCOM's mission is to work with its national and international partners in promoting development and cooperation among nations, responding to crises, and deterring or defeating state and transnational aggression in order to establish regional security and stability across its entire Area of Responsibility (AOR). Since USCENTCOM's AOR, covering the Middle East, includes the challenges of regional stability and violent extremists, this Combatant Command's mission is critical in regards to the Overseas Contingency Operations (OCO). To meet its mission responsibilities across this geographical expanse, HQ USCENTCOM must rely heavily on Command, Control, Communications, and Computer (C4) systems capable of achieving full spectrum information superiority.</p> <p>USCENTCOM COMMAND AND CONTROL SYSTEMS: Effort will provide life cycle replacement for, but not limited to, Command and Control (C2) systems (thin client, server, etc), Joint Information Environment (JIE), classified and unclassified voice, data and video dissemination, storage area network (SAN) infrastructure, establishment of the CENTCOM Partner Network (CPN) which provides a new secure network for bilateral / multilateral information sharing up to the SECRET RELEASABLE level. Support increased data storage capacity requirements for HQ war records collection, Modeling & Simulation Systems (J8MS), and uninterrupted power supply (UPS) required for the command's collateral classified and unclassified data networks. This equipment provides HQ USCENTCOM with effective C4 systems to effectively conduct current and future operations throughout the AOR.</p> <p>PE 0201131F AIR COMBAT COMMAND (ACC) COMMUNICATIONS</p> <p>Air Forces United States Central Command (AFCENT) is the ACC component designated to support USCENTCOM operations in deployed theaters for the AF. Funds modernize and upgrade C4 systems throughout the area of responsibility (AOR). Procurement efforts include: communications infrastructure requirements, satellite terminal equipment, data network servers and associated information assurance tools, information transfer nodes and routers, joint radio relays, as well as deployed air traffic control and landing systems and navigational aid systems.</p> <p>PE 0205219F MQ-9 UNMANNED AERIAL VEHICLE (UAV)</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications		P-1 Line Item Number / Title: 835140 / USCENTCOM
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>This is an FY16 new start. This effort will procure equipment to increase support to USCENTCOM MQ-9 Reaper and MQ-1 Predator operations, and to support a 2nd Satellite Communications Relay site in Europe.</p> <p>PE 0207422F DEPLOYABLE C3 SYSTEMS</p> <p>JOINT COMMUNICATIONS SUPPORT EQUIPMENT (JCSE): JCSE, assigned under Joint Enabling Capabilities Command, US Transportation Command, is the only joint Department of Defense (DoD) unit specifically formed to provide C4 systems support for Joint Chiefs of Staff (JCS) contingency operations worldwide. The JCSE mission is to provide, on short notice, those critical communications required to support Joint Task Force support (JTF) and Joint Special Operations Task Force (JSOTF) headquarters. These assets support the warfighter's ability to deploy rapidly and immediately provide the positive command and control required. This support includes contingency and crisis communications for the Joint Chiefs of Staff, Combatant Commands, Services, Defense agencies, non-Defense agencies, and foreign governments. The capital equipment replacement goals include meeting emerging real-world operational requirements with improved capabilities, smaller footprint, reduced operations and maintenance costs, and seamless integration with the global information grid. Per Defense Planning Guidance (DPG), the Air Force is mandated to fund 1/3rd fair share of JCSE's validated Commercial Off The Shelf end of life or Capital equipment replacement.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications				P-1 Line Item Number / Title: 835140 / USCENTCOM				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
USCENTCOM COMMAND AND CONTROL SYSTEM	P-40a	A	- / 0.000	- / 3.761	- / 3.823	1 / 2.509	- / -	1 / 2.509
AIR TRAFFIC CONTROL SYSTEMS FOR AFGHANISTAN	P-40a	A	- / 0.000	3 / 0.588	- / -	- / -	- / -	- / -
DEPLOYABLE Ku-BAND EARTH TERMINAL (DKET) REPLACEMENT	P-40a	A	- / 0.000	6 / 1.806	- / -	- / -	- / -	- / -
BASE C4I SUPPORT	P-40a	A	- / 0.000	- / 5.370	6 / 5.250	5 / 2.803	- / -	5 / 2.803
SWA-THEATER ENTERPRISE REQUIREMENTS	P-40a	A	- / 0.000	- / -	2 / 3.000	2 / 3.000	- / -	2 / 3.000
JOINT INFORMATION ENVIRONMENT CAPABILITIES	P-40a	A	- / 0.000	- / -	6 / 3.030	7 / 3.535	- / -	7 / 3.535
AFCENT PMA Other Government Costs	P-40a	A	- / 0.000	- / 0.250	- / 0.239	- / 0.250	- / -	- / 0.250
AFCENT PMA Contract Service	P-40a	A	- / 0.000	- / 1.200	- / 1.000	- / 0.603	- / -	- / 0.603
Intrusion Detection System, Spectrum monitoring system, DISA connectivity	P-40a	A	- / 0.000	- / -	- / -	1 / 3.000	- / -	1 / 3.000
Squadron Operations Center	P-40a	A	- / -	- / -	- / -	- / -	- / 10.000	- / 10.000
Contractor Service	P-40a	A	- / 0.000	- / -	- / -	- / 0.040	- / -	- / 0.040
Other Government Services	P-40a	A	- / 0.000	- / -	- / -	- / 0.040	- / -	- / 0.040
JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) (PE 027422F)	P-40a	A	- / 0.000	- / 5.133	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 0.000	- / 18.108	- / 16.342	- / 15.780	- / 10.000	- / 25.780
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
Justification: PE 0201122F USCENTCOM COMMUNICATIONS								
USCENTCOM COMMAND AND CONTROL SYSTEMS: FY16 funding will procure C4 equipment items required for HQ USCENTCOM, MacDill AFB, FL, Disaster Recovery Site (Site X), and CENTCOM Forward HQ at Al Udeid, Qatar, to effectively conduct communications support missions impacting Command and Control (C2) and operational missions conducted by the Commander and staff. The C4/Information Technology (IT) supporting the command must be sustained and upgraded to meet the ever increasing demands of current, ongoing contingency operations, and the growth of data storage requirements. Without OPAF funding, the vital life cycle replacement of communications equipment directly supporting all C2 and C4 operations will be at significant risk and will catastrophically affect the ability of the ongoing contingency operational missions across the AOR.								
STORAGE CAPABILITIES: HQ CENTCOM and CENTCOM Forward HQ require upgraded storage capabilities to maintain a level of readiness, reduce server footprint, and upgrade capabilities as they are implemented.								
JOINT INFORMATION ENVIRONMENT: Implementation of JIE at MacDill AFB with CENTCOM acting as the probable regional node.								
LIFE CYCLE REPLACEMENT: Replacement of C2 equipment is critical during the transition to JIE and maintaining current and future CENTCOM level of operations requirement to meet mission needs.								
PE 0201131F AIR COMBAT COMMAND (ACC) COMMUNICATIONS								

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications		P-1 Line Item Number / Title: 835140 / USCENTCOM
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
BASE COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS, AND INTELLIGENCE (C4I) INFRASTRUCTURE. This FY16 effort will support communications asset positioning and upgrades to the CENTCOM Theater Posture Plan (TPP) locations identified for post Operation FREEDOM's SENTINEL support. This effort is required at several AFCENT locations in the AOR and will provide critical upgrades and new infrastructure to support the transition to the Joint Information Environment, as required by DoD CIO mandate. FY16 costs - \$.875 @ 5 sites \$4.375M		
SWA-THEATER ENTERPRISE REQUIREMENTS - To meet Unified Capabilities (UC) requirements as required by DoD mandate, and USCENTCOM FRAGO directing components to transition to an IP-converged architecture by 2016, AFCENT must replace legacy Promina equipment at GSUs. AFCENT must also procure new systems to support contingency operations and base opening/closure requirements, which average 2 base openings and/or closures per year regardless of new or ongoing contingencies. FY16 Costs - \$1.5M @ 2 sites - \$3M FY16 effort will support infrastructure and services essential secure networks for bilateral and multilateral information up to the secret releasable level. Support the networks and cross domain solution necessary to securely and safely integrate coalition sensors and C2 capabilities with or C2 efforts. Includes integration of Coalition LNOs into our Combined Air Operations Center at AUAB FY16 costs - \$3.535 @ 1 location		
PE 0205219F MQ-9 UNMANNED AERIAL VEHICLE (UAV)		
FY16 funds effort will procure an Intrusion Detection System, Spectrum monitoring equipment and Defense Information Systems Agency (DISA) connectivity for the site.		
FY16 OCO funds will procure a CONUS Squadron Operations Center (SOC) to support USCENTCOM MQ-9 operations.		
PE 0207422F DEPLOYABLE C3 SYSTEMS		
No FY16 funding requested		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5								P-1 Line Item Number / Title: 835140 / USCENTCOM							Aggregated Items Title: USCENTCOM Communications				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
USCENTCOM COMMAND AND CONTROL SYSTEM	A		-	-	0.000	-	-	3.761	-	-	3.823	2.509	1	2.509	-	-	-	2.509	1	2.509
Subtotal: Uncategorized			-	-	0.000	-	-	3.761	-	-	3.823	-	-	2.509	-	-	-	-	-	2.509
Total			-	-	0.000	-	-	3.761	-	-	3.823	-	-	2.509	-	-	-	-	-	2.509

Remarks:

USCENTCOM: FY16 procurement funds in the amount of \$2.921M will procure C4 equipment items required for HQ USCENTCOM, MacDill AFB, FL and CENTCOM Forward HQ at Al Udeid, Qatar. Funding is vital to effectively conduct communications support missions impacting Command and Control (C2) and operational missions conducted by the Commander and staff supporting the Command's CONPLAN/OPLANS. The C4/Information Technology (IT) supporting the command must be sustained and upgraded to meet the ever increasing demands of enduring operations and the growth of data storage requirements, as well as emergent cyber threats. Without OPAF funding, the vital life cycle replacement of communications equipment directly supporting all C2 and C4 operations will be at significant risk and will catastrophically affect the ability of enduring operational missions across the AOR.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5								P-1 Line Item Number / Title: 835140 / USCENTCOM							Aggregated Items Title: Service Support to USCENTCOM - Communications				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
AIR TRAFFIC CONTROL SYSTEMS FOR AFGHANISTAN	A		-	-	0.000	0.196	3	0.588	-	-	-	-	-	-	-	-	-	-	-	-
DEPLOYABLE Ku-BAND EARTH TERMINAL (DKET) REPLACEMENT	A		-	-	0.000	0.301	6	1.806	-	-	-	-	-	-	-	-	-	-	-	-
BASE C4I SUPPORT	A		-	-	0.000	-	-	5.370	0.875	6	5.250	0.561	5	2.803	-	-	-	0.561	5	2.803
SWA-THEATER ENTERPRISE REQUIREMENTS	A		-	-	0.000	-	-	-	1.500	2	3.000	1.500	2	3.000	-	-	-	1.500	2	3.000
JOINT INFORMATION ENVIRONMENT CAPABILITIES	A		-	-	0.000	-	-	-	0.505	6	3.030	0.505	7	3.535	-	-	-	0.505	7	3.535
AFCENT PMA Other Government Costs	A		-	-	0.000	-	-	0.250	-	-	0.239	-	-	0.250	-	-	-	-	-	0.250
AFCENT PMA Contract Service	A		-	-	0.000	-	-	1.200	-	-	1.000	-	-	0.603	-	-	-	-	-	0.603
Subtotal: Uncategorized			-	-	0.000	-	-	9.214	-	-	12.519	-	-	10.191	-	-	-	-	-	10.191
Total			-	-	0.000	-	-	9.214	-	-	12.519	-	-	10.191	-	-	-	-	-	10.191

Remarks:

- a. Controlled Item will be funded with investment funds to purchase military communications equipment classified as critical protection items
- b. End of life or Capital equipment replacement

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5						P-1 Line Item Number / Title: 835140 / USCENTCOM									Aggregated Items Title: MQ-9 UAV				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware																				
Intrusion Detection System, Spectrum monitoring system, DISA connectivity	A		-	-	0.000	-	-	-	-	-	-	3.000	1	3.000	-	-	-	3.000	1	3.000
Squadron Operations Center	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.000	-	-	10.000
Subtotal: Hardware			-	-	0.000	-	-	-	-	-	-	-	-	3.000	-	-	10.000	-	-	13.000
PMA																				
Contractor Service	A		-	-	0.000	-	-	-	-	-	-	-	-	0.040	-	-	-	-	-	0.040
Other Government Services	A		-	-	0.000	-	-	-	-	-	-	-	-	0.040	-	-	-	-	-	0.040
Subtotal: PMA			-	-	0.000	-	-	-	-	-	-	-	-	0.080	-	-	-	-	-	0.080
Total			-	-	0.000	-	-	-	-	-	-	-	-	3.080	-	-	10.000	-	-	13.080

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 5								P-1 Line Item Number / Title: 835140 / USCENTCOM							Aggregated Items Title: Deployable C3 Systems				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) (PE 027422F)	A		-	-	0.000	-	-	5.133	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Uncategorized			-	-	0.000	-	-	5.133	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	0.000	-	-	5.133	-	-	-	-	-	-	-	-	-	-	-	

Remarks:

- a. Controlled Item will be funded with investment funds to purchase military communications equipment classified as critical protection items
- b. JCSE PE027422F - Quantity and unit costs represents various communications components that are part of the tactical C4 Architecture which includes major upgrades to large and small aperture mobile satellite systems, Everything over Internet Protocol (EoIP), Airborne/En-Route, and terrestrial and single-channel equipment.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs							P-1 Line Item Number / Title: 836700 / Family of Beyond Line-of-Sight Terminals					
ID Code (A=Service Ready, B=Not Service Ready) : B				Program Elements for Code B Items: 0303001F, 0303601F				Other Related Program Elements: 0303601F				
Line Item MDAP/MAIS Code: 199			Item MDAP/MAIS Code(s):									
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	57.074	79.592	-	79.592	127.264	23.169	26.430	79.830	-	393.359
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	57.074	79.592	-	79.592	127.264	23.169	26.430	79.830	-	393.359
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	57.074	79.592	-	79.592	127.264	23.169	26.430	79.830	-	393.359
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	12.112	44.436	-	44.436	39.419	24.417	49.942	50.827	-	221.153
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>The Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) program replaces legacy Milstar terminals and will provide Extremely High Frequency (EHF), protected high data rate communication for nuclear and conventional forces to include Presidential and National Voice Conferencing (PNVC). FAB-T will provide this new, highly secure, state-of-the-art capability for DoD platforms to include strategic platforms and airborne/ground command posts via Milstar, AEHF, and Enhanced Polar System (EPS) satellites. FAB-T terminals will also support the critical command and control (C2) of the Milstar, AEHF and EPS satellite constellations.</p> <p>Prior years through FY14 FAB-T was in Line Item Number 836780 PE 030601F. In FY15 FAB-T transferred to Line Item Number 836700. In FY16 in Line Item Number 836700, FAB-T transferred from PE 0303601F to PE 0303001F.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs				P-1 Line Item Number / Title: 836700 / Family of Beyond Line-of-Sight Terminals			
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items: 0303001F, 0303601F		Other Related Program Elements: 0303601F		
Line Item MDAP/MAIS Code: 199		Item MDAP/MAIS Code(s):					

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
0303001F FBLOST	P-5, P-5a, P-21		- / -	- / -	- / -	- / 79.592	- / -	- / 79.592
0303601F FBLOST	P-5, P-5a, P-21		- / -	- / -	- / 57.074	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / -	- / -	- / 57.074	- / 79.592	- / -	- / 79.592

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
0303001F FBLOST	P-5, P-5a, P-21		- / 127.264	- / 23.169	- / 26.430	- / 79.830	- / -	- / 336.285
0303601F FBLOST	P-5, P-5a, P-21		- / -	- / -	- / -	- / -	- / -	- / 57.074
Total Gross/Weapon System Cost			- / 127.264	- / 23.169	- / 26.430	- / 79.830	- / -	- / 393.359

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:
 FAMILY OF ADVANCED BEYOND LINE OF SIGHT TERMINALS (FAB-T) program will provide Extremely High Frequency (EHF) voice and data MILSATCOM for nuclear and conventional forces as well as airborne and ground command posts with connectivity to Milstar, AEHF and Enhanced Polar System (EPS) satellites. FAB-T terminals will also support the command and control (C2) of Milstar, AEHF, and EPS satellites. Funding in FY16 will continue program office support and production activities including low rate initial production. In June 2014 the Air Force down-selected to Raytheon for production of FAB-T Command Post terminals (CPT). Production contract options to produce CPT terminals will be exercised after a Milestone C decision.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force								Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836700 / Family of Beyond Line-of-Sight Terminals					Item Number / Title [DODIC]: - / 0303001F FBLOST									
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:											
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total					
Procurement Quantity (Units in Each)		-	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Cost (\$ in Millions)		-	-	-	79.592	-	79.592	127.264	23.169	26.430	79.830	-	336.285					
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P1) (\$ in Millions)		-	-	-	79.592	-	79.592	127.264	23.169	26.430	79.830	-	336.285					
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Total Obligation Authority (\$ in Millions)		-	-	-	79.592	-	79.592	127.264	23.169	26.430	79.830	-	336.285					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)		-	-	-	44.436	-	44.436	39.419	24.417	49.942	50.827	-	209.041					
Gross/Weapon System Unit Cost (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - 0303001F FBLOST Cost																		
Recurring Cost																		
FAB-T Terminals (AD) (PE 33001F)(†)	-	-	-	-	-	-	-	-	-	2.746	16	43.928	-	-	-	2.746	16	43.928
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	43.928	-	-	-	-	-	43.928
Subtotal: Hardware - 0303001F FBLOST Cost	-	-	-	-	-	-	-	-	-	-	-	43.928	-	-	-	-	-	43.928
Support - 0303001F FBLOST Cost																		
System Engineering (PE 33001F)	-	-	-	-	-	-	-	-	-	-	-	26.111	-	-	-	-	-	26.111
Program Management Administration (PMA) (PE 33001F)	-	-	-	-	-	-	-	-	-	-	-	9.553	-	-	-	-	-	9.553
Subtotal: Support - 0303001F FBLOST Cost	-	-	-	-	-	-	-	-	-	-	-	35.664	-	-	-	-	-	35.664
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	79.592	-	-	-	-	-	79.592
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - 0303001F FBLOST Cost																		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6						P-1 Line Item Number / Title: 836700 / Family of Beyond Line-of-Sight Terminals							Item Number / Title [DODIC]: - / 0303001F FBLOST					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Recurring Cost																		
FAB-T Terminals (AD) (PE 33001F) ^(†)	3.271	25	81.780	-	-	-	-	-	-	-	-	-	-	-	-	3.066	41	125.708
Subtotal: Recurring Cost	-	-	81.780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	125.708
Subtotal: Hardware - 0303001F FBLOST Cost	-	-	81.780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	125.708
Support - 0303001F FBLOST Cost																		
System Engineering (PE 33001F)	-	-	34.451	-	-	18.047	-	-	19.926	-	-	70.624	-	-	-	-	-	169.159
Program Management Administration (PMA) (PE 33001F)	-	-	11.033	-	-	5.122	-	-	6.504	-	-	9.206	-	-	-	-	-	41.418
Subtotal: Support - 0303001F FBLOST Cost	-	-	45.484	-	-	23.169	-	-	26.430	-	-	79.830	-	-	-	-	-	210.577
Gross/Weapon System Cost	-	-	127.264	-	-	23.169	-	-	26.430	-	-	79.830	-	-	-	-	-	336.285

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836700 / Family of Beyond Line-of-Sight Terminals				Item Number / Title [DODIC]: - / 0303001F FBLOST			

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
FAB-T Terminals (AD) (PE 33001F) ^(†)		2016	Raytheon Corporation / Marlborough, MA	C / FFP	AFLCMC Hanscom AFB	Sep 2016	Aug 2017	16	2.746	N	Aug 2015	Mar 2013
FAB-T Terminals (AD) (PE 33001F)		2017	Raytheon Corporation / Marlborough, MA	C / FFP	AFLCMC Hanscom AFB	Sep 2017	Aug 2018	25	3.271	N	Aug 2015	Mar 2013

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Air Force																				Date: February 2015													
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6										P-1 Line Item Number / Title: 836700 / Family of Beyond Line-of-Sight Terminals										Item Number / Title [DODIC]: - / 0303001F FBLOST													
Cost Elements (Units in Each)							Fiscal Year 2016										Fiscal Year 2017																
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016										Calendar Year 2017																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		
FAB-T Terminals (AD) (PE 33001F)																																	
	1	2016	AF		16	-	16											A -	-	-	-	-	-	-	-	-	-	-	-	-	4	4	8
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Air Force																				Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6										P-1 Line Item Number / Title: 836700 / Family of Beyond Line-of-Sight Terminals										Item Number / Title [DODIC]: - / 0303001F FBLOST												
Cost Elements (Units in Each)							Fiscal Year 2018										Fiscal Year 2019															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018										Calendar Year 2019										B A L					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P	
FAB-T Terminals (AD) (PE 33001F)																																
	1	2016	AF	16	8	8	4	4																								-
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6					P-1 Line Item Number / Title: 836700 / Family of Beyond Line-of-Sight Terminals				Item Number / Title [DODIC]: - / 0303001F FBLOST			
		Production Rates (Each / Year)			Procurement Leadtime (Months)							
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Raytheon Corporation - Marlborough, MA	-	-	48	-	12	11	23	-	-	-	-

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

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-5, Cost Analysis: PB 2016 Air Force										Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836700 / Family of Beyond Line-of-Sight Terminals						Item Number / Title [DODIC]: - / 0303601F FBLOST								
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:											
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total					
Procurement Quantity (Units in Each)		-	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Cost (\$ in Millions)		-	-	57.074	-	-	-	-	-	-	-	-	57.074					
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P1) (\$ in Millions)		-	-	57.074	-	-	-	-	-	-	-	-	57.074					
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Total Obligation Authority (\$ in Millions)		-	-	57.074	-	-	-	-	-	-	-	-	57.074					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)		-	-	12.112	-	-	-	-	-	-	-	-	12.112					
Gross/Weapon System Unit Cost (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - 0303601F FBLOST Cost																		
Recurring Cost																		
FAB-T Terminals (AD) (PE 33601F)(†)	-	-	-	-	-	-	3.089	12	37.062	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	37.062	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - 0303601F FBLOST Cost	-	-	-	-	-	-	-	-	37.062	-	-	-	-	-	-	-	-	-
Support - 0303601F FBLOST Cost																		
System Engineering (PE 33601F)	-	-	-	-	-	-	-	-	13.906	-	-	-	-	-	-	-	-	-
Program Management Administration (PMA) (PE 33601F)	-	-	-	-	-	-	-	-	6.106	-	-	-	-	-	-	-	-	-
Subtotal: Support - 0303601F FBLOST Cost	-	-	-	-	-	-	-	-	20.012	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	57.074	-	-	-	-	-	-	-	-	-
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - 0303601F FBLOST Cost																		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6							P-1 Line Item Number / Title: 836700 / Family of Beyond Line-of-Sight Terminals						Item Number / Title [DODIC]: - / 0303601F FBLOST					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Recurring Cost																		
FAB-T Terminals (AD) (PE 33601F) ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.089	12	37.062
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.062
Subtotal: Hardware - 0303601F FBLOST Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.062
Support - 0303601F FBLOST Cost																		
System Engineering (PE 33601F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.906
Program Management Administration (PMA) (PE 33601F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.106
Subtotal: Support - 0303601F FBLOST Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.012
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57.074

^(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836700 / Family of Beyond Line-of-Sight Terminals				Item Number / Title [DODIC]: - / 0303601F FBLOST				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
FAB-T Terminals (AD) (PE 33601F) ^(†)		2015	Raytheon Corporation / Marlborough, MA	C / FFP	AFLCMC Hanscom AFB	Apr 2016	Mar 2017	12	3.089	N	Aug 2015	Dec 2012

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Air Force																							Date: February 2015													
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6										P-1 Line Item Number / Title: 836700 / Family of Beyond Line-of-Sight Terminals													Item Number / Title [DODIC]: - / 0303601F FBLOST													
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2016													Fiscal Year 2017																
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					
FAB-T Terminals (AD) (PE 33601F)																																				
	1	2015	AF		12	-	12								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2		-
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

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Exhibit P-21, Production Schedule: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6					P-1 Line Item Number / Title: 836700 / Family of Beyond Line-of-Sight Terminals				Item Number / Title [DODIC]: - / 0303601F FBLOST			
		Production Rates (Each / Year)			Procurement Leadtime (Months)							
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Raytheon Corporation - Marlborough, MA	-	-	24	-	19	11	30	-	-	-	-

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

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs							P-1 Line Item Number / Title: 836720 / Space Based Ir Sensor Pgm Space					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements: 0604441F				
Line Item MDAP/MAIS Code: 210		Item MDAP/MAIS Code(s):										
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	122.573	28.608	26.100	90.190	-	90.190	7.603	7.734	7.872	8.012	-	298.692
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	122.573	28.608	26.100	90.190	-	90.190	7.603	7.734	7.872	8.012	-	298.692
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	122.573	28.608	26.100	90.190	-	90.190	7.603	7.734	7.872	8.012	-	298.692
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:
The flyaway unit cost is not included on the P-40 exhibit because there are multiple P-5 Cost Analysis exhibits.

The Space-Based Infrared System (SBIRS) consolidates national and DOD infrared detection systems into a single overarching architecture that fulfills the nations security needs in the areas of missile warning, missile defense, technical intelligence and battlespace awareness. SBIRS enables global, simultaneous surveillance, tracking and targeting of multiple targets in multiple areas of responsibility, and surveillance of infrared sources of operational, intelligence or national significance. SBIRS consists of Defense Support Program (DSP) satellites, satellites in Geosynchronous Earth Orbit (GEO), payloads hosted on Highly Elliptical Orbit (HEO) satellites, an integrated centralized Mission Control Station (MCS), full MCS backup, and relay and mobile ground stations. Development funding is in RDT&E AF Program Element 0604441F, SBIRS High. Production funding for SBIRS satellites is in MPAF and SPAF PE 0305915F.

1. SBIRS MOBILE AND FIXED SITE COMMUNICATIONS/ELECTRONIC UPGRADES: This effort procures DSP and SBIRS assets to maintain the Data Processing Sub-System upgrade and other low-cost upgrades that exceed operations and maintenance appropriations thresholds. This requirement will increase as legacy Mobile Ground Terminals (MGT) continue to operate beyond their design life. Fixed site examples include, but are not limited to, legacy receiver replacement, antenna drive system upgrades, Spacecraft Simulator RF replacement, MCS display upgrade, Rapid Delog (instantaneous translation of computer data to a human-readable format), Sybase database obsolescence, communications and network routers upgrades, and switches and time server replacement. Mobile system examples include, but are not limited to, aging radio frequency communications equipment, aging antenna equipment, aging electrical equipment and cabling, and unsupportable data processing subsystem components. Funding for this effort is in program element 0305915F.

2. SBIRS SURVIVABLE ENDURABLE EVOLUTION (S2E2): S2E2 is an upgrade to the DSP Mobile Ground System (MGS); upgraded systems are called SBIRS Mobile Ground Terminals (SMGT). The MGS is the only US Survivable and Endurable (S/E) Tactical Warning and Attack Assessment (TW/AA) system (S/E TW/AA). It is the critical Situation Monitoring element in three national-level architectures: Integrated TW/AA System, Chairman, Joint Chiefs of Staff (CJCS) Critical Nodes, and Nuclear Command and Control System (NCCS). USSTRATCOM needs AFSPCs global S/E TW/AA operational capabilities to meet President of the United States, Joint Staff, Combatant Commander and Forward User (FU) requirements for continuous, persistent, and enduring TW/AA non-imaging infrared (NIR) for Missile Warning and static events, and nuclear detonation (NUDET) detection and reporting across all phases of military operations. Current MGSs can only process DSP data for strategic Missile Warning. This effort will enable the MGS to process SBIRS data in addition to the current DSP data. The S2E2 upgrade will also address long standing obsolescence/unsupportability concerns of the MGS. The shelters will also be upgraded for increased protection from high altitude electromagnetic pulse (HEMP) per MIL-STD-188-125-2. Funding for this effort is in program element 0305915F.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs		P-1 Line Item Number / Title: 836720 / Space Based Ir Sensor Pgm Space
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0604441F
Line Item MDAP/MAIS Code: 210	Item MDAP/MAIS Code(s):	

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs					P-1 Line Item Number / Title: 836720 / Space Based Ir Sensor Pgm Space			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0604441F		
Line Item MDAP/MAIS Code: 210		Item MDAP/MAIS Code(s):						

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
SBIRS Mobile System & Fixed Comm Electronics Upgrades	P-5, P-5a		7 / 20.447	- / -	- / -	1 / 7.633	- / -	1 / 7.633
SBIRS Survivable Endurable Evolution (S2E2)	P-5, P-5a, P-21		- / 102.126	2 / 28.608	1 / 26.100	2 / 82.557	- / -	2 / 82.557
Total Gross/Weapon System Cost			- / 122.573	- / 28.608	- / 26.100	- / 90.190	- / -	- / 90.190

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
SBIRS Mobile System & Fixed Comm Electronics Upgrades	P-5, P-5a		1 / 7.603	1 / 7.734	1 / 7.872	1 / 8.012	- / -	12 / 59.301
SBIRS Survivable Endurable Evolution (S2E2)	P-5, P-5a, P-21		- / -	- / -	- / -	- / -	- / -	5 / 239.391
Total Gross/Weapon System Cost			- / 7.603	- / 7.734	- / 7.872	- / 8.012	- / -	- / 298.692

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:

1. SBIRS Mobile System & Fixed Site Communications/Electronics Upgrades: Provides SBIRS ground and space (spacecraft and payload) sustainment modifications (hardware or software) to implement system or facility modifications and changes to operational procedures or system configurations in response to deficiencies, failures, evolving requirements, changes in external user data needs or interfaces, or changing technology.

2. SBIRS Survivable Endurable Evolution (S2E2): FY16 funds for S2E2 are planned for the following items: recurring hardware and the purchase, integration and test of the 4th & 5th GEO-capable SBIRS Mobile Ground Terminal (SMGT). The SMGT sustainment effort provides the ability to continue the only source of survivable/endurable missile warning data used in NCCS.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force								Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836720 / Space Based Ir Sensor Pgm Space				Item Number / Title [DODIC]: - / SBIRS Mobile System & Fixed Comm Electronics Upgrades										
ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:												
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total					
Procurement Quantity (Units in Each)		7	-	-	1	-	1	1	1	1	1	-	12					
Gross/Weapon System Cost (\$ in Millions)		20.447	-	-	7.633	-	7.633	7.603	7.734	7.872	8.012	-	59.301					
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P1) (\$ in Millions)		20.447	-	-	7.633	-	7.633	7.603	7.734	7.872	8.012	-	59.301					
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Total Obligation Authority (\$ in Millions)		20.447	-	-	7.633	-	7.633	7.603	7.734	7.872	8.012	-	59.301					
(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 (\$ in Millions)		2.921	-	-	7.633	-	7.633	7.603	7.734	7.872	8.012	-	4.942					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - SBIRS Mobile System Cost																		
Recurring Cost																		
1. SBIRS Mobile Systems & Fixed Site Comm Electronics Upgrades ^(†)	-	-	20.447	-	-	-	-	-	-	7.633	1	7.633	-	-	-	7.633	1	7.633
Subtotal: Recurring Cost	-	-	20.447	-	-	-	-	-	-	-	-	7.633	-	-	-	-	-	7.633
Subtotal: Hardware - SBIRS Mobile System Cost	-	-	20.447	-	-	-	-	-	-	-	-	7.633	-	-	-	-	-	7.633
Gross/Weapon System Cost	2.921	7	20.447	-	-	-	-	-	-	7.633	1	7.633	-	-	-	7.633	1	7.633
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - SBIRS Mobile System Cost																		
Recurring Cost																		
1. SBIRS Mobile Systems & Fixed Site Comm Electronics Upgrades ^(†)	7.603	1	7.603	7.734	1	7.734	7.872	1	7.872	8.012	1	8.012	-	-	-	11.860	5	59.301

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6						P-1 Line Item Number / Title: 836720 / Space Based Ir Sensor Pgm Space						Item Number / Title [DODIC]: - / SBIRS Mobile System & Fixed Comm Electronics Upgrades						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Subtotal: Recurring Cost	-	-	7.603	-	-	7.734	-	-	7.872	-	-	8.012	-	-	-	-	-	59.301
Subtotal: Hardware - SBIRS Mobile System Cost	-	-	7.603	-	-	7.734	-	-	7.872	-	-	8.012	-	-	-	-	-	59.301
Gross/Weapon System Cost	7.603	1	7.603	7.734	1	7.734	7.872	1	7.872	8.012	1	8.012	-	-	-	4.942	12	59.301

Remarks:

SBIRS Mobile System & Fixed Comm Electronics Upgrades:
-FY16-20 Special studies and modifications to enhance mission performance of mobile and fixed sites

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6			P-1 Line Item Number / Title: 836720 / Space Based Ir Sensor Pgm Space					Item Number / Title [DODIC]: - / SBIRS Mobile System & Fixed Comm Electronics Upgrades				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1. SBIRS Mobile Systems & Fixed Site Comm Electronics Upgrades		2016	Multiple / Various	SS / CPFF	HQ AFSPC	Dec 2015	Dec 2016	1	7.633	Y		Jun 2015
1. SBIRS Mobile Systems & Fixed Site Comm Electronics Upgrades		2017	Multiple / Various	SS / CPFF	HQ AFSPC	Dec 2016	Dec 2017	1	7.603	Y		Jun 2016
1. SBIRS Mobile Systems & Fixed Site Comm Electronics Upgrades		2018	Multiple / Various	SS / CPFF	HQ AFSPC	Dec 2017	Dec 2018	1	7.734	Y		Jun 2017
1. SBIRS Mobile Systems & Fixed Site Comm Electronics Upgrades		2019	Multiple / Various	SS / CPFF	HQ AFSPC	Dec 2018	Dec 2019	1	7.872	Y		Jun 2018
1. SBIRS Mobile Systems & Fixed Site Comm Electronics Upgrades		2020	Multiple / Various	SS / CPFF	HQ AFSPC	Dec 2019	Dec 2020	1	8.012	Y		Jun 2019
Remarks: Please see p-5 remarks regarding the elements of costing contributing to the P-5A unit costs. SBIRS Mobile System & Fixed Comm Electronics Upgrades -FY16-20 Special studies and modifications to enhance mission performance of mobile and fixed sites												

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Exhibit P-5, Cost Analysis: PB 2016 Air Force										Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6					P-1 Line Item Number / Title: 836720 / Space Based Ir Sensor Pgm Space					Item Number / Title [DODIC]: - / SBIRS Survivable Endurable Evolution (S2E2)								
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:											
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total					
Procurement Quantity (Units in Each)		-	2	1	2	-	2	-	-	-	-	-	5					
Gross/Weapon System Cost (\$ in Millions)		102.126	28.608	26.100	82.557	-	82.557	-	-	-	-	-	239.391					
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P1) (\$ in Millions)		102.126	28.608	26.100	82.557	-	82.557	-	-	-	-	-	239.391					
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Total Obligation Authority (\$ in Millions)		102.126	28.608	26.100	82.557	-	82.557	-	-	-	-	-	239.391					
(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 (\$ in Millions)		-	14.304	26.100	41.279	-	41.279	-	-	-	-	-	47.878					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - SBIRS Survivable Endurable Evolution (S2E2) Cost																		
Recurring Cost																		
2.5 S2E2 SMGT ^(†)	-	-	55.875	13.704	2	27.408	26.100	1	26.100	41.279	2	82.557	-	-	-	41.279	2	82.557
Subtotal: Recurring Cost	-	-	55.875	-	-	27.408	-	-	26.100	-	-	82.557	-	-	-	-	-	82.557
Non Recurring Cost																		
2.2 S2E2 Software Integration Facility (SIF)	5.200	1	5.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3 S2E2 System Test Environment (STE)	8.000	1	8.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4 S2E2 Maintenance Ops Support Suite (MOSS)	6.900	1	6.900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	20.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SBIRS Survivable Endurable Evolution (S2E2) Cost	-	-	75.975	-	-	27.408	-	-	26.100	-	-	82.557	-	-	-	-	-	82.557
Software - SBIRS Survivable Endurable Evolution (S2E2) Cost																		
Non Recurring Cost																		
2.1 S2E2 Software	8.717	3	26.151	1.200	1	1.200	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	26.151	-	-	1.200	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Air Force											Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6						P-1 Line Item Number / Title: 836720 / Space Based Ir Sensor Pgm Space						Item Number / Title [DODIC]: - / SBIRS Survivable Endurable Evolution (S2E2)						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Subtotal: Software - SBIRS Survivable Endurable Evolution (S2E2) Cost	-	-	26.151	-	-	1.200	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	102.126	14.304	2	28.608	26.100	1	26.100	41.279	2	82.557	-	-	-	41.279	2	82.557
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - SBIRS Survivable Endurable Evolution (S2E2) Cost																		
Recurring Cost																		
2.5 S2E2 SMTG ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.388	5	191.940
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	191.940
Non Recurring Cost																		
2.2 S2E2 Software Integration Facility (SIF)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.200	1	5.200
2.3 S2E2 System Test Environment (STE)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.000	1	8.000
2.4 S2E2 Maintenance Ops Support Suite (MOSS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.900	1	6.900
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.100
Subtotal: Hardware - SBIRS Survivable Endurable Evolution (S2E2) Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	212.040
Software - SBIRS Survivable Endurable Evolution (S2E2) Cost																		
Non Recurring Cost																		
2.1 S2E2 Software	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.838	4	27.351
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.351
Subtotal: Software - SBIRS Survivable Endurable Evolution (S2E2) Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.351
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47.878	5	239.391

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6	P-1 Line Item Number / Title: 836720 / Space Based Ir Sensor Pgm Space	Item Number / Title [DODIC]: - / SBIRS Survivable Endurable Evolution (S2E2)
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
Remarks: 2. SBIRS Survivable Endurable Evolution (S2E2): SBIRS capable MGS require the interim deliverables over this period as described below. S2E2 Software Non-Recurring: -FY11 - Provided non-recurring engineering for S2E2 System Test Environment (STE) design and integration. -FY12 - Provided non-recurring engineering for S2E2 HEMP shelters and software integration. -FY13 - Provided non-recurring engineering for track data relay processing, and S2E2 Maintenance Ops Support suite (MOSS). -FY14 - Provided non-recurring engineering for GEO capable S2E2 upgrade. S2E2 Hardware Non-Recurring: -FY11 - Modernized the current Software Integration Facility (SIF) to include development functionality for S2E2. -FY12 - Provided non-recurring engineering for S2E2 HEMP shelters and hardware integration. -FY13 - Provided non-recurring engineering for S2E2 Maintenance Ops Support Suite (MOSS). Modernized the existing Integrated Maintenance Facility (IMF) with a sustainable MOSS for S2E2 System predeployment, maintainer training, and limited operator training. -FY14 - Provided non-recurring engineering for GEO-CAPABLE Parabolic Dish Sub-System (PDSS) antennas S2E2 Hardware Recurring: -FY12 - Procured 1 fully tested and sustainable Mono-DSP SMGT. -FY13 - Procured 1 fully tested and sustainable Mono-DSP SMGT. -FY14 - Procures two fully tested and sustainable PDSSs, and fully functional GEO-upgraded SMGTs 1&2. -FY15 - Procured 1 fully tested and sustainable GEO SMGT with one set of PDSSs. Procures the System Test Environment (STE) for high fidelity Development, Testing & Evaluation (DT&E) and future sustainment. -FY16 - Procures 2 fully tested and sustainable GEO SMGTs with one set of PDSSs each. Total S2E2 Funding for FY11-16 = \$240.0M Quantity = 5 Gross Unit Cost = \$48.0M (t) indicates the presence of a P-5a		

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836720 / Space Based Ir Sensor Pgm Space					Item Number / Title [DODIC]: - / SBIRS Survivable Endurable Evolution (S2E2)			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.5 S2E2 SMGT ^(†)		2014	Lockheed Martin Space Systems / Sunnyvale, CA	SS / CPIF	HQ AFSPC	Nov 2014	Jul 2017	2	13.704	Y		Nov 2013
2.5 S2E2 SMGT ^(†)		2015	Lockheed Martin Space Systems / Sunnyvale, CA	SS / CPIF	HQ AFSPC	Nov 2015	Jul 2018	1	26.100	Y		Nov 2013
2.5 S2E2 SMGT ^(†)		2016	Lockheed Martin Space Systems / Sunnyvale, CA	SS / CPIF	HQ AFSPC	Nov 2015	Jul 2020	2	41.279	Y		Nov 2014

(†) indicates the presence of a P-21

Remarks:

SBIRS Survivable Endurable Evolution (S2E2)

-FY14 purchased GEO-capability upgrades to SMGTs 1 & 2 (delivery Jul 2017 and Dec 2017)

-FY15 purchased GEO-capable SMGT 3 (delivery Jul 2018)

-FY16 purchases GEO-capable SMGTs 4&5 (delivery Jul 2020 and Sep 2020)

S2E2 unit costs above are not representative of S2E2 costs due to interim deliverables. S2E2 unit costs are calculated as follows:

Total S2E2 Funding for FY11-16 = \$240.0M

Quantity = 5

Gross Unit Cost = \$48.0M

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Exhibit P-21, Production Schedule: PB 2016 Air Force																				Date: February 2015													
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6										P-1 Line Item Number / Title: 836720 / Space Based Ir Sensor Pgm Space										Item Number / Title [DODIC]: - / SBIRS Survivable Endurable Evolution (S2E2)													
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2015													Fiscal Year 2016													
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015													Calendar Year 2016													B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
2.5 S2E2 SMGT																																	
	1	2014	AF	2	-	2		A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
	1	2015	AF	1	-	1														A -	-	-	-	-	-	-	-	-	-	-	-	1	
	1	2016	AF	2	-	2														A -	-	-	-	-	-	-	-	-	-	-	-	2	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Air Force																				Date: February 2015																	
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6										P-1 Line Item Number / Title: 836720 / Space Based Ir Sensor Pgm Space															Item Number / Title [DODIC]: - / SBIRS Survivable Endurable Evolution (S2E2)												
Cost Elements (Units in Each)							Fiscal Year 2017															Fiscal Year 2018															
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017															Calendar Year 2018															BAL
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
2.5 S2E2 SMGT																																					
	1	2014	AF	2	-	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1											-			
	1	2015	AF	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1			-					
	1	2016	AF	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						

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Exhibit P-21, Production Schedule: PB 2016 Air Force																			Date: February 2015																												
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6										P-1 Line Item Number / Title: 836720 / Space Based Ir Sensor Pgm Space																			Item Number / Title [DODIC]: - / SBIRS Survivable Endurable Evolution (S2E2)																		
Cost Elements (Units in Each)							Fiscal Year 2019														Fiscal Year 2020																										
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019														Calendar Year 2020																										
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L																
2.5 S2E2 SMGT																																															
	1	2014	AF	2	2	-																										-															
	1	2015	AF	1	1	-																										-															
	1	2016	AF	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L																

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Exhibit P-21, Production Schedule: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6					P-1 Line Item Number / Title: 836720 / Space Based Ir Sensor Pgm Space				Item Number / Title [DODIC]: - / SBIRS Survivable Endurable Evolution (S2E2)			
		Production Rates (Each / Month)			Procurement Leadtime (Months)							
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Lockheed Martin Space Systems - Sunnyvale, CA	2	2	2	-	-	-	-	-	-	-	-

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

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs							P-1 Line Item Number / Title: 836730 / Navstar GPS Space					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements: 0305164F				
Line Item MDAP/MAIS Code: 166			Item MDAP/MAIS Code(s):									
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2.125	2.053	2.065	2.029	-	2.029	2.187	2.209	2.216	2.255	-	17.139
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	2.125	2.053	2.065	2.029	-	2.029	2.187	2.209	2.216	2.255	-	17.139
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2.125	2.053	2.065	2.029	-	2.029	2.187	2.209	2.216	2.255	-	17.139
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Navstar Global Positioning System (GPS) provides highly accurate time, three-dimensional position, and velocity information to an unlimited number of users anywhere on or above the surface of the earth, in any weather. GPS satisfies validated joint service requirements for worldwide, accurate, common grid navigation for military aircraft, ships, ground vehicles and personnel. The system is comprised of three segments: (1) satellites, (2) a ground control, and (3) user equipment. The satellites broadcast high-accuracy data using precisely synchronized signals that are received and processed by user equipment installed in military platforms. The ground control network updates the navigation messages broadcast from the satellites to provide system vectors to target location or navigational way points. Funds in this line support various GPS specific production efforts associated with the ground control and user equipment segments.

PE 0305164F NAVSTAR GPS (USER EQUIPMENT) (SPACE)

KEY DATA LOADING INSTALLATION FACILITY (KLIF)/GPS SECURITY DEVICE: The KLIF facilitates the programming of black key (cryptographic) algorithms into the Selective Availability Anti-Spoofing Module (SAASM) to provide accurate positioning solutions for GPS users using secure equipment.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs				P-1 Line Item Number / Title: 836730 / Navstar GPS Space			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0305164F	
Line Item MDAP/MAIS Code: 166		Item MDAP/MAIS Code(s):					

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Navstar GPS Space	P-5		- / 2.125	- / 2.053	- / 2.065	- / 2.029	- / -	- / 2.029
Total Gross/Weapon System Cost			- / 2.125	- / 2.053	- / 2.065	- / 2.029	- / -	- / 2.029

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Navstar GPS Space	P-5		- / 2.187	- / 2.209	- / 2.216	- / 2.255	- / -	- / 17.139
Total Gross/Weapon System Cost			- / 2.187	- / 2.209	- / 2.216	- / 2.255	- / -	- / 17.139

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:

PE 0305164F NAVSTAR GPS (USER EQUIPMENT) (SPACE)

KEY DATA LOADING INSTALLATION FACILITY (KLIF)/GPS SECURITY DEVICE: FY16 funding provides for the programming of black key (cryptographic) algorithms into the Selective Availability Anti-Spoofing Module (SAASM), providing an accurate positioning solution for GPS users using secure equipment. Funding will procure support for Key Data Processors (KDP), ensuring uninterrupted support to SAASM vendors. SAASM vendors are required to use government-provided KDP as part of the security architecture of GPS User Equipment.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force										Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6					P-1 Line Item Number / Title: 836730 / Navstar GPS Space					Item Number / Title [DODIC]: - / Navstar GPS Space								
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:											
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total					
Procurement Quantity (Units in Each)		-	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Cost (\$ in Millions)		2.125	2.053	2.065	2.029	-	2.029	2.187	2.209	2.216	2.255	-	17.139					
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P1) (\$ in Millions)		2.125	2.053	2.065	2.029	-	2.029	2.187	2.209	2.216	2.255	-	17.139					
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Total Obligation Authority (\$ in Millions)		2.125	2.053	2.065	2.029	-	2.029	2.187	2.209	2.216	2.255	-	17.139					
(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 (\$ in Millions)		-	-	-	-	-	-	-	-	-	-	-	-					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		
KLIF/GPS Security Device	-	-	2.125	-	-	2.053	-	-	2.065	-	-	2.029	-	-	-	-	-	2.029
Subtotal: Recurring Cost	-	-	2.125	-	-	2.053	-	-	2.065	-	-	2.029	-	-	-	-	-	2.029
Subtotal: Hardware - Hardware End Item Cost	-	-	2.125	-	-	2.053	-	-	2.065	-	-	2.029	-	-	-	-	-	2.029
Gross/Weapon System Cost	-	-	2.125	-	-	2.053	-	-	2.065	-	-	2.029	-	-	-	-	-	2.029
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		
KLIF/GPS Security Device	-	-	2.187	-	-	2.209	-	-	2.216	-	-	2.255	-	-	-	-	-	17.139
Subtotal: Recurring Cost	-	-	2.187	-	-	2.209	-	-	2.216	-	-	2.255	-	-	-	-	-	17.139
Subtotal: Hardware - Hardware End Item Cost	-	-	2.187	-	-	2.209	-	-	2.216	-	-	2.255	-	-	-	-	-	17.139
Gross/Weapon System Cost	-	-	2.187	-	-	2.209	-	-	2.216	-	-	2.255	-	-	-	-	-	17.139

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6	P-1 Line Item Number / Title: 836730 / Navstar GPS Space	Item Number / Title [DODIC]: - / Navstar GPS Space
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs						P-1 Line Item Number / Title: 836750 / Nudet Detection Sys Space						
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0305913F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	4.415	4.656	5.095	-	5.095	4.432	6.405	6.519	6.634	-	38.156
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	4.415	4.656	5.095	-	5.095	4.432	6.405	6.519	6.634	-	38.156
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	4.415	4.656	5.095	-	5.095	4.432	6.405	6.519	6.634	-	38.156
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The United States Nuclear Detonation (NUDET) Detection System (USNDS) provides a near real-time worldwide, highly survivable/endurable capability to detect, locate, and report any nuclear detonations in the atmosphere of the earth or in near space. The USNDS Operational Requirements Document (ORD), dated 21 Jan 2004, documents the requirements for space-based NUDET detection. Space-based NUDET detection is also mandated by Public Law 110-181, dated 28 Jan 2008, which directs the Secretary of Defense to maintain the capability for space-based nuclear detection at or above 2008 capability levels. USNDS supports NUDET detection requirements across five mission areas: Integrated Tactical Warning and Attack Assessment (ITW/AA), Nuclear Force Management (NFM), Space Control (SC), Treaty Monitoring (TM) and a classified mission.

The USNDS 6 program is jointly sponsored and funded by the Department of Defense (DoD), through the US Air Force (AF), and the Department of Energy (DOE), through the National Nuclear Security Administration (NNSA) and its Nuclear Detonation Detection (NA-22) office, respectively. NNSA/NA-22 supplies, at no cost to DoD, USNDS space sensors as Government Furnished Equipment (GFE) to the AF USNDS Program Office, which is responsible for all acquisition and systems engineering, integration and test (SEIT) activities on space vehicles (SVs), to include Global Positioning System (GPS) and additional hosts, and their supporting ground control segments. The AF directly funds the procurement of the USNDS 6 ground segment (described below).

DoD funds its contribution to the NDS program in PE 0305913F with RDT&E, OPAF and O&M dollars. NDS payload integration onto GPS satellites is funded in the GPS Space & Control PE 0305165F for GPS IIF SVs and GPS III Space Segment PE 0305265F for GPS III SVs.

USNDS consists of space sensors and complex ground segments. The space segment sensors, funded by DOE, consists of three nuclear detection sensor payloads: the Radiation Detection Capability (RADEC) payload for Defense Support Program (DSP) satellites, the Global Burst Detection (GBD) payload for Medium Earth Orbit (MEO) platforms (GPS satellites), and the Space Atmospheric Burst Reporting System (SABRS) payload for Geosynchronous Earth Orbit (GEO) platforms (classified GEO hosts). Together, these sensors and associated communications capability provided by the host satellites comprise the global NUDET space segment detection capability for the USNDS. Space sensors communicate NUDET indications to the fixed ground segment (the RADEC Data Processor (RDP) and the Integrated Correlation and Display System (ICADS)) and the deployable mobile ground segment (survivable Ground NDS Terminals (GNTs), and the survivable/endurable Universal Ground NDS Terminals (UGNTs), when fielded). These ground systems perform data analysis and provide a decision support tool to the Air Force controllers concerning probability of NUDET occurrence. The ground segment provides ground receiving analysis and reporting capabilities to national authorities, commands, and forward users as well as Department of State for Treaty Monitoring and Verification mission. The ground control segment is being modernized and continuously improved through an incremental evolution acquisition approach.

The upgrade to the GNT is the survivable/endurable Universal Ground Nuclear Detonation (NUDET) Detection System (NDS) Terminal (UGNT) which is funded with AF RDT&E in this PE. The UGNT provides NUDET Detection Reports to end users through survivable and endurable USNDS communications via Milstar/Advanced Extremely High Frequency (AEHF) circuits. The GNT supports Integrated Tactical

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs		P-1 Line Item Number / Title: 836750 / Nudet Detection Sys Space
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0305913F
<p>Warning and Attack Assessment (ITW/AA) and Nuclear Force Management (NFM) missions. The UGNT program modifies the baseline of the GNT program and deploys as an integral part of the Space Based Infrared System (SBIRS) Survivable / Endurable Evolution (S2E2) Mobile Ground System (SMGS) units also in support of ITW/AA and NFM. The UGNT, when integrated with the SMGS, will perform NUDET event processing with fused NDS data from GPS and DSP. SMGS capability refers to the result of the S2E2 upgrade program for the MGS mission processing capability, including the integration of UGNT. The intended end state of UGNT integration is delivery of enhanced missile warning and NUDET detection capabilities that meet survivable/endurable ITW/AA requirements directed by the President, SECDEF, Joint Staff, and USSTRATCOM delivering long-term, cost effective, multi-role, multi-mission space effects to the war fighter across the range of military operations.</p> <p>Funding for this effort is in PE 0305913F NUDET DETECTION SYS SPACE.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs					P-1 Line Item Number / Title: 836750 / Nudet Detection Sys Space			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0305913F		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Nudet Detection Sys Space	P-5		- / -	- / 4.415	- / 4.656	- / 5.095	- / -	- / 5.095
Total Gross/Weapon System Cost			- / -	- / 4.415	- / 4.656	- / 5.095	- / -	- / 5.095
<p>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</p>								
<p>Justification:</p> <p>1. INTEGRATED CORRELATION AND DISPLAY SYSTEM (ICADS) UPGRADES: No FY16 funding requested.</p> <p>2. GROUND NUCLEAR DETONATION DETECTION TERMINALS UPGRADES: FY16 funding purchases equipment for the hardened shelter, and integration and test of data processors for USNDS 6.</p> <p>3. SENSOR CHECKOUT ACTIVITIES: FY16 funding purchases equipment upgrades for on-orbit sensor testing, simulators and other ground test environments for USNDS 6.</p> <p>4. TECHNICAL SUPPORT: FY16 funding purchases support for equipment upgrades for sensor checkout, testing and simulator modifications for USNDS 6.</p>								

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Exhibit P-5, Cost Analysis: PB 2016 Air Force											Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6						P-1 Line Item Number / Title: 836750 / Nudet Detection Sys Space						Item Number / Title [DODIC]: - / Nudet Detection Sys Space						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity (Units in Each)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				-		4.415		4.656		5.095		-		5.095				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				-		4.415		4.656		5.095		-		5.095				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				-		4.415		4.656		5.095		-		5.095				
(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 (\$ in Millions)				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		
Automated Data Processor (ADP)	-	-	-	0.530	2	1.059	0.300	1	0.300	-	-	-	-	-	-	-	-	-
ADP + Spares	-	-	-	-	-	-	1.654	2	3.307	2.040	2	4.080	-	-	-	2.040	2	4.080
ADP Testbed	-	-	-	0.750	2	1.500	-	-	-	-	-	-	-	-	-	-	-	-
3. Sensor Checkout Activities	-	-	-	1.856	1	1.856	0.500	1	0.500	0.500	1	0.500	-	-	-	0.500	1	0.500
4. Technical Support	-	-	-	-	-	-	0.549	1	0.549	0.515	1	0.515	-	-	-	0.515	1	0.515
Subtotal: Recurring Cost	-	-	-	-	-	4.415	-	-	4.656	-	-	5.095	-	-	-	-	-	5.095
Subtotal: Hardware - Hardware End Item Cost	-	-	-	-	-	4.415	-	-	4.656	-	-	5.095	-	-	-	-	-	5.095
Gross/Weapon System Cost	-	-	-	-	-	4.415	-	-	4.656	-	-	5.095	-	-	-	-	-	5.095
Remarks:																		
(1) Quantity/unit cost data represents the average unit cost per system installation. Due to cost variances between local configurations, unit cost data will fluctuate between fiscal years.																		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs	P-1 Line Item Number / Title: 836760 / Af Satellite Control Network Space
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ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items: 0305110F					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	129.652	19.863	54.436	76.673	-	76.673	61.563	46.525	39.665	48.297	-	476.674
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	129.652	19.863	54.436	76.673	-	76.673	61.563	46.525	39.665	48.297	-	476.674
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	129.652	19.863	54.436	76.673	-	76.673	61.563	46.525	39.665	48.297	-	476.674
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Air Force Satellite Control Network (AFSCN) is a satellite ground terminal network comprised of two communication nodes and 15 antenna systems. The antennas are distributed around the world at seven locations to ensure global coverage for 170 satellites in various orbits. The AFSCN conducts an average of 450 satellite contacts per day supporting Positioning, Navigation and Timing (PNT); Intelligence, Surveillance and Reconnaissance (ISR); Missile Warning; Communications; Weather; Launch Vehicle Support; Research and Development (R&D) in support of Department of Defense (DoD), Intelligence Community (IC), and National Aeronautics and Space Administration (NASA) operations. While most of the 450 satellite contacts/day are routine command and control activities, the AFSCN is also used for satellite emergencies (e.g. tumbling satellite) because its high power antennas are often the only earthbound assets that can contact a non-responsive satellite to re-establish command & control. In FY14 alone, the AFSCN supported 17 space vehicle emergencies resulting in the preservation of over \$6B worth of satellites. In addition to routine and emergency satellite operations C2, the AFSCN provides support to launch vehicle and early orbit operations, ensuring worldwide antennas receive telemetry and transmits commands to newly orbiting satellites to initiate early orbit checkout. Finally, the AFSCN provides Factory Compatibility Testing (FCT) to ensure satellites and rockets can communicate via the AFSCN before the satellite is launched.

These funds are used to procure modernized equipment for the AFSCN to ensure the capability is available to support DoD, Intelligence, and civil users.

Principal efforts include:

1) AFSCN Interim Supply Support: procures support services, peculiar and common support materials, and required re-procurement data for the Satellite Control Network contract, and to transition to government supply support.

2) Remote Tracking Station (RTS) Block Change (RBC): The RBC Program was initiated in Dec 2001 to modernize the legacy system. The RBC program replaces 6 remote ground antennas that have reached their end of life and installs an additional system at Diego Garcia for improved Eastern hemisphere coverage. To date, RBC systems have been installed at Vandenberg Tracking Station (VTS), Diego Garcia Station (DGS), Telemetry and Commanding Station (TCS), Guam Tracking Station (GTS), Hawaii Tracking Station (HTS), and New Hampshire Tracking Station (NHS). Thule Tracking Station (TTS) is in process and projected to complete in 1Q FY16. In addition, the Air Force is upgrading the electronics in the remaining seven serviceable Remote Ground Antenna systems. This "hybrid" architecture couples the RBC electronics, with existing antennas, and normalizes electronics across the network. A prototype effort was implemented in FY12 to validate the approach and the first two hybrid articles were awarded in FY13 to upgrade legacy systems at GTS and HTS. A third article was awarded in FY14 to upgrade the legacy system at VTS. FY15 and FY16 funds continue RBC Hybrid procurement for four more sites. Completion of hybrid upgrades for all seven legacy Remote Ground Antenna systems is projected by FY19. Finally, FY16 funds will procure the first follow-on procurement unit of the Enhanced High Power Amplifier (EHPA) spacecraft anomaly resolution system following successful development and first-article delivery in 2016. The High Power Amplifier enables emergency satellite operations and is needed to replace obsolete parts. These efforts include systems engineering and integration (SE&I) activities.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs		P-1 Line Item Number / Title: 836760 / Af Satellite Control Network Space
ID Code (A=Service Ready, B=Not Service Ready) : B	Program Elements for Code B Items: 0305110F	Other Related Program Elements:
<p>3) AFSCN Recapitalization Projects: The Air Force will use various contract vehicles to address highest priority unfunded upgrades as funding is made available in execution (e.g., due to lower negotiated costs or reduced requirements on planned modernization). Obsolescence and sustainment "worst actors" are prioritized annually in order of criticality to the mission. The potential for failed satellite contacts drives priority. These efforts include SE&I activities.</p> <p>Funding for this effort is contained in PE 0305110F.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs				P-1 Line Item Number / Title: 836760 / Af Satellite Control Network Space			
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items: 0305110F			Other Related Program Elements:	
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Af Satellite Control Network Space	P-5		- / 17.005	- / 15.849	- / 17.160	- / 23.386	- / -
1 / Remote Tracking Station Block Change (RBC) (Capability Improvement)	P-3a		- / 112.647	- / -	- / 36.044	- / 40.055	- / -
2 / Air Force Satellite Control Network Recapitalization Projects (Capability Improvement)	P-3a		- / 0.000	- / 4.014	- / 1.232	- / 13.232	- / -
Total Gross/Weapon System Cost			- / 129.652	- / 19.863	- / 54.436	- / 76.673	- / -
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Af Satellite Control Network Space	P-5		- / -	- / -	- / -	- / -	- / -
1 / Remote Tracking Station Block Change (RBC) (Capability Improvement)	P-3a		- / 32.326	- / 15.331	- / 1.142	- / 8.930	- / -
2 / Air Force Satellite Control Network Recapitalization Projects (Capability Improvement)	P-3a		- / 12.781	- / 16.278	- / 20.725	- / 30.546	- / -
Total Gross/Weapon System Cost			- / 61.563	- / 46.525	- / 39.665	- / 48.297	- / -
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.							
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.							
<p>Justification:</p> <p>1) AFSCN Interim Supply Support (P-5): FY16 funding provides peculiar and common support material, required re-procurement data, and interim supply support management. In addition, funds procure the most urgently needed capital equipment replacements for items that exceed the O&M dollar threshold. This equipment replaces items such as, but not limited to, high power amplifiers, processors, archival event recorders, and router switches which are at the top of the sustainers "worst actors" list and account for significant maintenance effort, down time, and lost or failed contacts.</p> <p>2) RBC and AFSCN Recapitalization Projects (P-3As): These efforts are critical to ensuring telemetry, tracking, and commanding are provided for over 170 satellites and that satellite emergencies requiring high-power antennas can be supported.</p> <p>FY16 funds continue Program Management Administration (PMA) to procure other support for the system program office including, but not limited to cost estimating, contract reconciliation, and configuration management. These Advisory and Assistance Services and FFRDC efforts support the functions of government personnel in managing the production activities to upgrade the AFSCN system, and include FFRDC analyses to support installation, integration, and testing, as well as the installs and integration of equipment for the ongoing upgrades.</p>							

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Exhibit P-5, Cost Analysis: PB 2016 Air Force								Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836760 / Af Satellite Control Network Space					Item Number / Title [DODIC]: - / Af Satellite Control Network Space									
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:											
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total						
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Cost <i>(\$ in Millions)</i>	17.005	15.849	17.160	23.386	-	23.386	-	-	-	-	-	-						
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) <i>(\$ in Millions)</i>	17.005	15.849	17.160	23.386	-	23.386	-	-	-	-	-	-						
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority <i>(\$ in Millions)</i>	17.005	15.849	17.160	23.386	-	23.386	-	-	-	-	-	-						
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-						
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Logistics - Logistics End Item Cost																		
Recurring Cost																		
INTERIM SUPPLY SPT SERVICES/ LABOR:	-	-	1.849	-	-	5.610	-	-	2.775	-	-	2.587	-	-	-	-	-	2.587
INTERIM SUPPLY SPT -- Materiel	-	-	5.546	-	-	1.183	-	-	2.519	-	-	7.219	-	-	-	-	-	7.219
Subtotal: Recurring Cost	-	-	7.395	-	-	6.793	-	-	5.294	-	-	9.806	-	-	-	-	-	9.806
Subtotal: Logistics - Logistics End Item Cost	-	-	7.395	-	-	6.793	-	-	5.294	-	-	9.806	-	-	-	-	-	9.806
Support - Support End Item Cost																		
FFRDC ANALYSIS (PMA)	-	-	7.044	-	-	6.667	-	-	6.866	-	-	7.072	-	-	-	-	-	7.072
SYSTEM ENGINEERING AND INTEGRATION	-	-	-	-	-	-	-	-	1.077	-	-	2.027	-	-	-	-	-	2.027
INFO ASSURANCE (ACA)	-	-	-	-	-	-	-	-	1.794	-	-	2.326	-	-	-	-	-	2.326
SETA (PMA)	-	-	1.749	-	-	1.464	-	-	0.940	-	-	0.980	-	-	-	-	-	0.980
PROGRAM OFFICE OPS & TRAVEL (PMA)	-	-	0.817	-	-	0.925	-	-	1.189	-	-	1.175	-	-	-	-	-	1.175
Subtotal: Support - Support End Item Cost	-	-	9.610	-	-	9.056	-	-	11.866	-	-	13.580	-	-	-	-	-	13.580
Gross/Weapon System Cost	-	-	17.005	-	-	15.849	-	-	17.160	-	-	23.386	-	-	-	-	-	23.386

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6							P-1 Line Item Number / Title: 836760 / Af Satellite Control Network Space							Item Number / Title [DODIC]: - / Af Satellite Control Network Space					
ID Code (A=Service Ready, B=Not Service Ready) :											MDAP/MAIS Code:								
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost			
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Logistics - Logistics End Item Cost																			
Recurring Cost																			
INTERIM SUPPLY SPT SERVICES/ LABOR:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
INTERIM SUPPLY SPT -- Materiel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Logistics - Logistics End Item Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Support - Support End Item Cost																			
FFRDC ANALYSIS (PMA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SYSTEM ENGINEERING AND INTEGRATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
INFO ASSURANCE (ACA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SETA (PMA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PROGRAM OFFICE OPS & TRAVEL (PMA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Support - Support End Item Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836760 / Af Satellite Control Network Space				Modification Number / Title: 1 / Remote Tracking Station Block Change (RBC)			

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	112.647	-	36.044	40.055	-	40.055	32.326	15.331	1.142	8.930	-	246.475
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	112.647	-	36.044	40.055	-	40.055	32.326	15.331	1.142	8.930	-	246.475
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	112.647	-	36.044	40.055	-	40.055	32.326	15.331	1.142	8.930	-	246.475
(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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

REMOTE TRACKING STATION (RTS) BLOCK CHANGE (RBC): The RBC Program was initiated in Dec 2001 to modernize the legacy system. The RBC program replaces 6 remote ground antennas that have reached their end of life and installs an additional system at Diego Garcia for improved Eastern hemisphere coverage. To date, RBC systems have been installed at Vandenberg Tracking Station (VTS), Diego Garcia Station (DGS), Telemetry and Commanding Station (TCS), Guam Tracking Station (GTS), Hawaii Tracking Station (HTS), and New Hampshire Tracking Station (NHS). Thule Tracking Station (TTS) is in process and projected to complete 1Q FY16. In addition, the Air Force is upgrading the electronics in the remaining eight serviceable Remote Ground Antenna systems. This "hybrid" architecture couples the RBC electronics, including the new RBC High Power Amplifier (HPA), with existing antennas and normalizes electronics across the network. A prototype effort was implemented in FY12 to validate the approach, and the first two hybrid articles were awarded in FY13 to upgrade legacy systems at GTS and HTS. A third article was awarded in FY14 to upgrade the legacy system at VTS. FY15 and FY16 funds continue RBC Hybrid deployment at four more sites. Completion of hybrid upgrades for all eight legacy Remote Ground Antenna systems is projected by FY19. Finally, FY16 funds will procure the first follow-on procurement unit of the EHPA spacecraft anomaly resolution system following successful development and first-article delivery in 2016.

Milestone/Development Status

N/A

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836760 / Af Satellite Control Network Space						Modification Number / Title: 1 / Remote Tracking Station Block Change (RBC)			
Models of Systems Affected: Air Force Satellite Control Network				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
Modification Item 1 of 3: E-HPA													
B Kits													
Recurring													
E-HPA:EQUIPMENT Group B (Active)	- / -	- / -	- / -	1 / 8.990	- / -	1 / 8.990	1 / 9.254	1 / 12.656	- / -	- / -	- / -	3 / 30.900	
Subtotal: Recurring	- / -	- / -	- / -	- / 8.990	- / -	- / 8.990	- / 9.254	- / 12.656	- / -	- / -	- / -	- / 30.900	
Subtotal: E-HPA	- / -	- / -	- / -	- / 8.990	- / -	- / 8.990	- / 9.254	- / 12.656	- / -	- / -	- / -	- / 30.900	
Modification Item 2 of 3: RBC/Hybrid													
B Kits													
Recurring													
RBC/Hybrid:EQUIPMENT Group B (Active)	9 / 112.647	- / -	2 / 36.044	2 / 31.065	- / -	2 / 31.065	1 / 16.503	- / -	- / -	- / -	- / -	14 / 196.259	
Subtotal: Recurring	- / 112.647	- / -	- / 36.044	- / 31.065	- / -	- / 31.065	- / 16.503	- / -	- / -	- / -	- / -	- / 196.259	
Subtotal: RBC/Hybrid	- / 112.647	- / -	- / 36.044	- / 31.065	- / -	- / 31.065	- / 16.503	- / -	- / -	- / -	- / -	- / 196.259	
Modification Item 3 of 3: USB/Dual Band													
B Kits													
Recurring													
USB/Dual Band:EQUIPMENT Group B (Active)	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.569	- / 2.675	- / 1.142	- / 8.930	- / -	- / 19.316	
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.569	- / 2.675	- / 1.142	- / 8.930	- / -	- / 19.316	
Subtotal: USB/Dual Band	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.569	- / 2.675	- / 1.142	- / 8.930	- / -	- / 19.316	
Subtotal: Procurement, All Modification Items	- / 112.647	- / -	- / 36.044	- / 40.055	- / -	- / 40.055	- / 32.326	- / 15.331	- / 1.142	- / 8.930	- / -	- / 246.475	
Installation													
Modification Item 1 of 3: E-HPA	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	1 / -	- / -	1 / -	- / -	3 / -	
Modification Item 2 of 3: RBC/Hybrid	4 / 0.000	2 / -	1 / -	2 / -	- / -	2 / -	- / -	2 / -	2 / -	1 / -	- / -	14 / -	
Subtotal: Installation	4 / 0.000	2 / -	1 / -	2 / -	- / -	2 / -	1 / -	3 / -	2 / -	2 / -	- / -	17 / -	
Total													
Total Cost (Procurement + Support + Installation)	112.647	-	36.044	40.055	-	40.055	32.326	15.331	1.142	8.930	-	246.475	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6	P-1 Line Item Number / Title: 836760 / Af Satellite Control Network Space	Modification Number / Title: 1 / Remote Tracking Station Block Change (RBC)

Modification Item 1 of 3: E-HPA

Manufacturer Information

Manufacturer Name: Honeywell Technical Solutions, Inc (HTSI)	Manufacturer Location: Colorado Springs, CO
Administrative Leadtime (in Months): 9	Production Leadtime (in Months): 24

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019	Oct 2020
Delivery Dates		Oct 2017	Oct 2018	Oct 2019	Oct 2020	Oct 2021	Oct 2022

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	- / -	- / -	- / -	- / -	1 / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	- / -	- / -	- / -	1 / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	- / -	1 / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	1 / -	- / -	1 / -	- / -	3 / -

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	3

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6	P-1 Line Item Number / Title: 836760 / Af Satellite Control Network Space	Modification Number / Title: 1 / Remote Tracking Station Block Change (RBC)

Modification Item 2 of 3: RBC/Hybrid

Manufacturer Information

Manufacturer Name: Honeywell Technical Solutions, Inc (HTSI)	Manufacturer Location: Colorado Springs, CO
Administrative Leadtime (in Months): 5	Production Leadtime (in Months): 36

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019	Mar 2020
Delivery Dates		Mar 2018	Mar 2019	Mar 2020	Mar 2021	Mar 2022	Mar 2023

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	4 / 0.000	2 / 0.000	1 / 0.000	2 / 0.000	- / -	2 / 0.000	- / -	- / -	- / -	- / -	- / -	9 / 0.000
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / -	- / -	- / -	- / -	2 / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / -	- / -	- / -	2 / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	- / -	1 / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 0.000	2 / -	1 / -	2 / -	- / -	2 / -	- / -	2 / -	2 / -	1 / -	- / -	14 / -

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	8	-	-	1	-	-	2	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
Out	4	2	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	1	1	-	-	1	-	1	-	1	-	-	-	-	14

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6		P-1 Line Item Number / Title: 836760 / Af Satellite Control Network Space			Modification Number / Title: 1 / Remote Tracking Station Block Change (RBC)		
Modification Item 3 of 3: USB/Dual Band							
Manufacturer Information							
Manufacturer Name: Unknown				Manufacturer Location: Unknown			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6	P-1 Line Item Number / Title: 836760 / Af Satellite Control Network Space	Modification Number / Title: 2 / Air Force Satellite Control Network Recapitalization Projects

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	4.014	1.232	13.232	-	13.232	12.781	16.278	20.725	30.546	-	98.808
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	4.014	1.232	13.232	-	13.232	12.781	16.278	20.725	30.546	-	98.808
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	4.014	1.232	13.232	-	13.232	12.781	16.278	20.725	30.546	-	98.808
(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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

AIR FORCE SATELLITE CONTROL NETWORK RECAPITALIZATION: The Air Force will use various contract vehicles to address the highest priority unfunded upgrades as funding is made available in execution (e.g. due to lower negotiated costs or reduced requirements on planned modernization). Obsolescence and sustainment "worst actors" are prioritized annually in order of criticality to the mission. The potential for failed satellite contacts drives priority. In FY16, these funds are planned to be used for replacing high power amplifiers, processors, routers, radomes, and recorders at 12 locations (2 nodes, 7 remote tracking stations, 1 transportable, 1 lab, and 1 checkout vehicle) as well as for procuring equipment to bring the AFSCN into compliance with Level 4 National Telecommunications Information Administration (NTIA) certification.

Milestone/Development Status

N/A

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Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836760 / Af Satellite Control Network Space					Modification Number / Title: 2 / Air Force Satellite Control Network Recapitalization Projects				
Models of Systems Affected: Air Force Satellite Control Network				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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													
Modification Item 1 of 1: AFSCN Recapitalization Projects													
B Kits													
Recurring													
AFSCN Recapitalization Projects:EQUIPMENT Group B (Active)		0 / 0.000	1 / 4.014	1 / 1.232	1 / 13.232	- / -	1 / 13.232	12 / 12.781	12 / 16.278	12 / 20.725	12 / 30.546	- / -	51 / 98.808
Subtotal: Recurring		- / 0.000	- / 4.014	- / 1.232	- / 13.232	- / -	- / 13.232	- / 12.781	- / 16.278	- / 20.725	- / 30.546	- / -	- / 98.808
Subtotal: AFSCN Recapitalization Projects		- / 0.000	- / 4.014	- / 1.232	- / 13.232	- / -	- / 13.232	- / 12.781	- / 16.278	- / 20.725	- / 30.546	- / -	- / 98.808
Subtotal: Procurement, All Modification Items		- / 0.000	- / 4.014	- / 1.232	- / 13.232	- / -	- / 13.232	- / 12.781	- / 16.278	- / 20.725	- / 30.546	- / -	- / 98.808
Installation													
Modification Item 1 of 1: AFSCN Recapitalization Projects		- / -	1 / -	1 / -	1 / -	- / -	1 / -	1 / -	1 / -	1 / -	1 / -	- / -	7 / -
Subtotal: Installation		- / -	1 / -	1 / -	1 / -	- / -	1 / -	1 / -	1 / -	1 / -	1 / -	- / -	7 / -
Total													
Total Cost (Procurement + Support + Installation)		0.000	4.014	1.232	13.232	-	13.232	12.781	16.278	20.725	30.546	-	98.808

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6	P-1 Line Item Number / Title: 836760 / Af Satellite Control Network Space	Modification Number / Title: 2 / Air Force Satellite Control Network Recapitalization Projects

Modification Item 1 of 1: AFSCN Recapitalization Projects

Manufacturer Information

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

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -
FY 2015	- / -	- / -	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -
FY 2016	- / -	- / -	- / -	1 / -	- / -	1 / -	- / -	- / -	- / -	- / -	- / -	1 / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	- / -	- / -	- / -	- / -	1 / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	- / -	- / -	- / -	1 / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	- / -	- / -	1 / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	- / -	1 / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / -	1 / -	1 / -	- / -	1 / -	1 / -	1 / -	1 / -	1 / -	- / -	7 / -

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	8
Out	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	8

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs							P-1 Line Item Number / Title: 836770 / Spacelift Range System Space					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items: 0305182F					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	165.668	90.806	62.538	113.275	-	113.275	116.108	105.446	107.320	109.222	-	870.383
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	165.668	90.806	62.538	113.275	-	113.275	116.108	105.446	107.320	109.222	-	870.383
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	165.668	90.806	62.538	113.275	-	113.275	116.108	105.446	107.320	109.222	-	870.383
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>The Eastern Range at Patrick AFB/Cape Canaveral AFS, FL and the Western Range at Vandenberg AFB, CA make up the Spacelift Range System (SLRS), also known as the Launch and Test Range System (LTRS). The SLRS provides the capability to track and destroy an errant rocket in flight to protect the public, which enables national security, civil, and commercial spacelift operations to be conducted safely. SLRS is also a test range, supporting intercontinental and sea-launched ballistic missile test launches, national missile defense tests, and aeronautical tests.</p> <p>SLRS is comprised of twelve subsystems that together provide this capability to the ranges. The Range Safety and Command Destruct subsystems provide the capability to destroy an errant rocket, if necessary. These subsystems rely on the Telemetry, Radar, and Optics subsystems to provide tracking data to the Mission Flight Control Officer (MFCO), who is certified to determine if a rocket in flight is on course. The Weather and Surveillance subsystems provide the MFCO information about the surroundings to determine if conditions are safe for launch. The Communications, Data Handling, and Timing & Sequencing subsystems ensure critical data is expeditiously routed from remote sensors (e.g. radars, optics, etc.) to the MFCO. Finally, the Planning and Scheduling subsystem ensures all assets are available when needed for a launch or test operation.</p> <p>The Air Force prioritizes procurement funds to ensure aging range equipment is modernized prior to end of life. Sustainment trends are continuously analyzed and assessed across all twelve subsystems and procurement funds are used to modernize the most critical mission equipment.</p> <p>1) SLRS INTERIM SUPPLY SUPPORT: Provides peculiar and common support material, required re-procurement data, and interim supply support management.</p> <p>2) SLRS Support Services: FY16 funds pay for FFRDC mission assurance activities to ensure all twelve subsystems are compatible with mission rules and do not pose a risk to safe and cost-effective satellite launches. Funds are also used for SE&I to ensure baseline documentation and modernization activities remain synchronized with the sustainment baseline.</p> <p>3) Range Command Destruct Modernization (RCDM): modernizes the Eastern and Western Range Command Destruct Systems. The Eastern Range Command Destruct system will replace a sustainment "worst actor" that has been the cause of an expensive launch scrub as well as several near scrubs. In addition, the Eastern Range Command Destruct system will provide the capability to use a new secure Command Destruct Code structure mandated by NSA for cyber security. The Western Range Command Destruct effort provides for an equivalent upgrade to the Command Destruct Systems on the Western Range.</p> <p>4) Modernized Eastern Network (MEN): upgrades the communications subsystem on the Eastern Range from outdated Asynchronous Transfer Mode (ATM) technology to Internet Protocol (IP) version 4/6 (IPV4/ IPV6). MEN resolves obsolescence issues facing the program starting in 2018, addresses high-priority sustainment issues, and provides improved cyber security for range operations. The contract was awarded as a small business set aside.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs		P-1 Line Item Number / Title: 836770 / Spacelift Range System Space
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items: 0305182F	Other Related Program Elements:
<p>5) Western Modernized Network (WMN): upgrades the communications subsystem on the Western Range from Asynchronous Transfer Mode (ATM) technology to IPV4/IPV6. WMN resolves remaining ATM obsolescence issues, numerous high-priority sustainment issues, and provides improved cyber security for range operations. The WMN contract will be awarded in FY15 as a small business set aside.</p> <p>6) SLRS Recapitalization Projects: The Air Force will use various contract vehicles (LTRS Integrated Support Contract (LISC), GSA, Design Engineering Support Program (DESP) III, competitively-awarded contracts) to address the highest priority unfunded upgrades as funding is made available in execution (e.g. due to lower negotiated costs or reduced requirements on planned modernization). Obsolescence and sustainment "worst actors" in all twelve subsystems are prioritized annually in order of their criticality to the mission; priority is driven by likelihood of causing a launch delay/scrub.</p> <p>Funding for this exhibit is in PE 0305182F.</p> <p>The FY2016 funding request was reduced by \$2.285 million to account for the availability of prior execution balances.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs	P-1 Line Item Number / Title: 836770 / Spacelift Range System Space
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items: 0305182F	Other Related Program Elements:
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Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Spacelift Range System Space	P-5		- / 44.581	- / 49.104	- / 43.331	- / 45.655	- / -	- / 45.655
1 / Modernization of Eastern Range Network (MEN) (Capability Improvement)	P-40a		- / 39.800	- / 2.600	- / -	- / 0.750	- / -	- / 0.750
2 / Spacelift Range System Recapitalization Projects (Reliability & Maintainability)	P-40a		- / 9.287	- / 0.702	- / 3.946	- / 4.531	- / -	- / 4.531
1 / Western Range Modernization of Network (WMN) (Capability Improvement)	P-3a		- / 24.700	- / 38.400	- / -	- / 39.480	- / -	- / 39.480
2 / Range Command Destruct Modernization (RCDM) (Reliability & Maintainability)	P-3a		- / 47.300	- / -	- / 15.261	- / 22.859	- / -	- / 22.859
Total Gross/Weapon System Cost			- / 165.668	- / 90.806	- / 62.538	- / 113.275	- / -	- / 113.275

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Spacelift Range System Space	P-5		- / -	- / -	- / -	- / -	- / -	- / -
1 / Modernization of Eastern Range Network (MEN) (Capability Improvement)	P-40a		- / 7.500	- / -	- / -	- / -	- / -	- / 50.650
2 / Spacelift Range System Recapitalization Projects (Reliability & Maintainability)	P-40a		- / 12.644	- / 48.518	- / 58.493	- / 53.269	- / -	- / 191.390
1 / Western Range Modernization of Network (WMN) (Capability Improvement)	P-3a		- / 35.780	- / 8.180	- / 1.880	- / 1.880	- / -	- / 150.300
2 / Range Command Destruct Modernization (RCDM) (Reliability & Maintainability)	P-3a		- / 15.800	- / 1.200	- / -	- / -	- / -	- / 102.420
Total Gross/Weapon System Cost			- / 116.108	- / 105.446	- / 107.320	- / 109.222	- / -	- / 870.383

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:

Spacelift Range System Space (P-5): For SLRS INTERIM SUPPLY SUPPORT, FY16 funds will pay for interim supply support, to include supplies and associated interim supply support management. In addition, funds procure the most urgently needed capital equipment replacements for items that exceed the O&M dollar threshold. For SLRS SUPPORT SERVICES, FY16 funds pay for FFRDC mission assurance activities to ensure all twelve subsystems are compatible with mission rules and do not pose a risk to safe and cost-effective satellite launches. Funds are also used for SE&I to ensure baseline documentation and modernization activities remain synchronized with the sustainment baseline.

MEN, WMN, RCDM and Recapitalization Projects (P-3As): These modifications are required to enable the safe conduct of national security, civil, and commercial launches at the Eastern and Western Ranges. Further, they ensure continued support to test range customers.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force								Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836770 / Spacelift Range System Space					Item Number / Title [DODIC]: - / Spacelift Range System Space									
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:											
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total						
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Cost (\$ in Millions)	44.581	49.104	43.331	45.655	-	45.655	-	-	-	-	-	-						
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) (\$ in Millions)	44.581	49.104	43.331	45.655	-	45.655	-	-	-	-	-	-						
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority (\$ in Millions)	44.581	49.104	43.331	45.655	-	45.655	-	-	-	-	-	-						
(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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-						
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Logistics - Logistics End Item Cost																		
Recurring Cost																		
INTERIM SUPPLY SUPPORT MATERIAL (PARTS/SUPPLIES)	-	-	4.652	-	-	8.180	-	-	2.981	-	-	9.402	-	-	-	-	-	9.402
INTERIM SUPPLY SUPPORT SERVICES/LABOR	-	-	1.011	-	-	1.478	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	5.663	-	-	9.658	-	-	2.981	-	-	9.402	-	-	-	-	-	9.402
Subtotal: Logistics - Logistics End Item Cost	-	-	5.663	-	-	9.658	-	-	2.981	-	-	9.402	-	-	-	-	-	9.402
Support - Support End Item Cost																		
OPS INTEGRATION/TEST/TURNOVER SUPPORT	-	-	4.400	-	-	-	-	-	2.000	-	-	-	-	-	-	-	-	-
SYSTEMS ENGINEERING AND INTEGRATION	-	-	17.100	-	-	18.158	-	-	21.967	-	-	20.970	-	-	-	-	-	20.970
PROGRAM MANAGEMENT ADMINISTRATION	-	-	2.500	-	-	4.330	-	-	2.446	-	-	2.570	-	-	-	-	-	2.570
FFRDC PROJECT ENGINEERING SUPPORT	-	-	11.753	-	-	12.105	-	-	11.957	-	-	12.054	-	-	-	-	-	12.054

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6						P-1 Line Item Number / Title: 836770 / Spacelift Range System Space							Item Number / Title [DODIC]: - / Spacelift Range System Space					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
INFORMATION ASSURANCE	-	-	3.165	-	-	4.853	-	-	1.980	-	-	0.659	-	-	-	-	-	0.659
Subtotal: Support - Support End Item Cost	-	-	38.918	-	-	39.446	-	-	40.350	-	-	36.253	-	-	-	-	-	36.253
Gross/Weapon System Cost	-	-	44.581	-	-	49.104	-	-	43.331	-	-	45.655	-	-	-	-	-	45.655
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Logistics - Logistics End Item Cost																		
Recurring Cost																		
INTERIM SUPPLY SUPPORT MATERIAL (PARTS/SUPPLIES)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INTERIM SUPPLY SUPPORT SERVICES/LABOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Logistics - Logistics End Item Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Support End Item Cost																		
OPS INTEGRATION/ TEST/TURNOVER SUPPORT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SYSTEMS ENGINEERING AND INTEGRATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROGRAM MANAGEMENT ADMINISTRATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FFRDC PROJECT ENGINEERING SUPPORT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INFORMATION ASSURANCE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Support End Item Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6	P-1 Line Item Number / Title: 836770 / Spacelift Range System Space	Item Number / Title [DODIC]: - / Spacelift Range System Space
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
Remarks: - Unit quantities and costs vary widely for multiple types and configurations of equipment being procured under modernization and sustainment project cost elements each fiscal year.		

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Exhibit P-40a, Budget Item Justification For Aggregated Modification Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6					P-1 Line Item Number / Title: 836770 / Spacelift Range System Space										Aggregated Modification Items Title: Spacelift Range System Space				

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

Item Number / Title	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / Modernization of Eastern Range Network (MEN)			-	-	39.800	-	-	2.600	-	-	-	-	-	0.750	-	-	-	-	-	0.750
2 / Spacelift Range System Recapitalization Projects			-	-	9.287	-	-	0.702	-	-	3.946	-	-	4.531	-	-	-	-	-	4.531
Total			-	-	49.087	-	-	3.302	-	-	3.946	-	-	5.281	-	-	-	-	-	5.281

Item Number / Title	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / Modernization of Eastern Range Network (MEN)			-	-	7.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50.650
2 / Spacelift Range System Recapitalization Projects			-	-	12.644	-	-	48.518	-	-	58.493	-	-	53.269	-	-	-	-	-	191.390
Total			-	-	20.144	-	-	48.518	-	-	58.493	-	-	53.269	-	-	-	-	-	242.040

Modification Information:

Item Number / Title	Models of Systems Affected	Modification Type
1 / Modernization of Eastern Range Network (MEN)	Spacelift Range System Space	Capability Improvement
2 / Spacelift Range System Recapitalization Projects	Spacelift Range System Space	Reliability & Maintainability

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Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836770 / Spacelift Range System Space					Modification Number / Title: 1 / Western Range Modernization of Network (WMN)			

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	24.700	38.400	-	39.480	-	39.480	35.780	8.180	1.880	1.880	-	150.300
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	24.700	38.400	-	39.480	-	39.480	35.780	8.180	1.880	1.880	-	150.300
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	24.700	38.400	-	39.480	-	39.480	35.780	8.180	1.880	1.880	-	150.300
(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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Western Modernized Network (WMN): upgrade the communications subsystem on Western Range from Asynchronous Transfer Mode (ATM) technology to IPV4/IPV6, resolving obsolescence issues, numerous sustainment issues, and providing improved cyber security for range operations. The WMN contract will be awarded in FY15 as a small business set aside.

Milestone/Development Status

Pre-Award/Source Selection in 2015

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Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836770 / Spacelift Range System Space						Modification Number / Title: 1 / Western Range Modernization of Network (WMN)			
Models of Systems Affected: Spacelift Range System Space				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> Western Range Modernization of Network (WMN)													
B Kits													
Recurring													
Western Range Modernization of Network (WMN):EQUIPMENT Group B (Active)	1 / 24.700	1 / 38.400	- / -	1 / 39.480	- / -	1 / 39.480	1 / 35.780	1 / 8.180	1 / 1.880	1 / 1.880	- / -	7 / 150.300	
<i>Subtotal: Recurring</i>	- / 24.700	- / 38.400	- / -	- / 39.480	- / -	- / 39.480	- / 35.780	- / 8.180	- / 1.880	- / 1.880	- / -	- / 150.300	
<i>Subtotal: Western Range Modernization of Network (WMN)</i>	- / 24.700	- / 38.400	- / -	- / 39.480	- / -	- / 39.480	- / 35.780	- / 8.180	- / 1.880	- / 1.880	- / -	- / 150.300	
<i>Subtotal: Procurement, All Modification Items</i>	- / 24.700	- / 38.400	- / -	- / 39.480	- / -	- / 39.480	- / 35.780	- / 8.180	- / 1.880	- / 1.880	- / -	- / 150.300	
Installation													
<i>Modification Item 1 of 1:</i> Western Range Modernization of Network (WMN)	1 / 0.000	1 / -	- / -	1 / -	- / -	1 / -	1 / -	1 / -	1 / -	- / -	- / -	6 / -	
<i>Subtotal: Installation</i>	1 / 0.000	1 / -	- / -	1 / -	- / -	1 / -	1 / -	1 / -	1 / -	- / -	- / -	6 / -	
Total													
Total Cost (Procurement + Support + Installation)	24.700	38.400	-	39.480	-	39.480	35.780	8.180	1.880	1.880	-	150.300	

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Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6	P-1 Line Item Number / Title: 836770 / Spacelift Range System Space	Modification Number / Title: 1 / Western Range Modernization of Network (WMN)

Modification Item 1 of 1: Western Range Modernization of Network (WMN)

Manufacturer Information

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

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	1 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000
FY 2014	- / -	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	1 / -	- / -	1 / -	- / -	- / -	- / -	- / -	- / -	1 / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	- / -	- / -	- / -	- / -	1 / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	- / -	- / -	- / -	1 / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	- / -	- / -	1 / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.000	1 / -	- / -	1 / -	- / -	1 / -	1 / -	1 / -	1 / -	- / -	- / -	6 / -

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	7
Out	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	7

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Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6	P-1 Line Item Number / Title: 836770 / Spacelift Range System Space	Modification Number / Title: 2 / Range Command Destruct Modernization (RCDM)

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	47.300	-	15.261	22.859	-	22.859	15.800	1.200	-	-	-	102.420
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	47.300	-	15.261	22.859	-	22.859	15.800	1.200	-	-	-	102.420
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	47.300	-	15.261	22.859	-	22.859	15.800	1.200	-	-	-	102.420
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Range Command Destruct Modernization (RCDM): Modernizes the Eastern and Western Range Command Destruct Systems. The Eastern Range Command Destruct system will replace a sustainment "worst actor" that has been the cause of an expensive launch scrub as well as several near scrubs. In addition, the Eastern Range Command Destruct system will provide the capability to use a new secure Command Destruct Code structure mandated by NSA for cyber security. The Western Range Command Destruct effort provides for an equivalent upgrade to the Command Destruct Systems on the Western Range. The Air Force decided to award two separate contracts to ensure the Eastern Range Command Destruct contract meets the Eastern Range's more urgent need date. However, both contracts are expected to use similar hardware and software.

Milestone/Development Status

Pre-Award

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Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836770 / Spacelift Range System Space						Modification Number / Title: 2 / Range Command Destruct Modernization (RCDM)			
Models of Systems Affected: Spacelift Range System Space				Modification Type: Reliability & Maintainability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> Range Command Destruct Modernization (RCDM)													
B Kits													
Recurring													
Range Command Destruct Modernization (RCDM):EQUIPMENT Group B (Active)	2 / 47.300	- / -	1 / 15.261	1 / 22.859	- / -	1 / 22.859	1 / 15.800	1 / 1.200	- / -	- / -	- / -	6 / 102.420	
<i>Subtotal: Recurring</i>	- / 47.300	- / -	- / 15.261	- / 22.859	- / -	- / 22.859	- / 15.800	- / 1.200	- / -	- / -	- / -	- / 102.420	
<i>Subtotal: Range Command Destruct Modernization (RCDM)</i>	- / 47.300	- / -	- / 15.261	- / 22.859	- / -	- / 22.859	- / 15.800	- / 1.200	- / -	- / -	- / -	- / 102.420	
<i>Subtotal: Procurement, All Modification Items</i>	- / 47.300	- / -	- / 15.261	- / 22.859	- / -	- / 22.859	- / 15.800	- / 1.200	- / -	- / -	- / -	- / 102.420	
Installation													
<i>Modification Item 1 of 1:</i> Range Command Destruct Modernization (RCDM)	2 / 0.000	- / -	1 / -	1 / -	- / -	1 / -	1 / -	1 / -	- / -	- / -	- / -	6 / -	
<i>Subtotal: Installation</i>	2 / -	- / -	1 / -	1 / -	- / -	1 / -	1 / -	1 / -	- / -	- / -	- / -	6 / -	
Total													
Total Cost (Procurement + Support + Installation)	47.300	-	15.261	22.859	-	22.859	15.800	1.200	-	-	-	102.420	

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Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6	P-1 Line Item Number / Title: 836770 / Spacelift Range System Space	Modification Number / Title: 2 / Range Command Destruct Modernization (RCDM)

Modification Item 1 of 1: Range Command Destruct Modernization (RCDM)

Manufacturer Information

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

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	2 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.000
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -
FY 2016	- / -	- / -	- / -	1 / -	- / -	1 / -	- / -	- / -	- / -	- / -	- / -	1 / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	- / -	- / -	- / -	- / -	1 / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	- / -	- / -	- / -	1 / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 0.000	- / -	1 / -	1 / -	- / -	1 / -	1 / -	1 / -	- / -	- / -	- / -	6 / -

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	2	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	7
Out	2	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	7

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs							P-1 Line Item Number / Title: 836780 / Milsatcom Space					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements:				
Line Item MDAP/MAIS Code: 199			Item MDAP/MAIS Code(s):									
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	536.189	101.533	60.902	35.495	-	35.495	34.069	29.302	11.479	11.305	205.129	1,025.403
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	536.189	101.533	60.902	35.495	-	35.495	34.069	29.302	11.479	11.305	205.129	1,025.403
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	536.189	101.533	60.902	35.495	-	35.495	34.069	29.302	11.479	11.305	205.129	1,025.403
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description: PE 0303601F MILSATCOM TERMINALS</p> <p>MILITARY SATELLITE COMMUNICATIONS (MILSATCOM) joint-service systems collectively provide a broad range of satellite communication capabilities, including secure, jam-resistant, 24-hour worldwide communications to meet essential strategic, tactical and general-purpose operational requirements. MILSATCOM terminals support communications requirements for the President and Secretary of Defense, unified and specified combatant commanders, uniformed services and defense agencies. Procurement funding is in program element (PE) 0303601F, MILSATCOM Terminals, except where otherwise noted. There are also research and development efforts related to some of these efforts, and that RDT&E AF funding is also in PE 0303601F.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs					P-1 Line Item Number / Title: 836780 / Milsatcom Space		
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:		Other Related Program Elements:		
Line Item MDAP/MAIS Code: 199		Item MDAP/MAIS Code(s):					

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MILSATCOM Terminals	P-5, P-5a, P-21		- / 536.189	- / 101.272	- / 60.637	- / 35.226	- / -	- / 35.226
CCS-C	P-40a	A	- / -	- / 0.261	- / 0.265	- / 0.269	- / -	- / 0.269
Total Gross/Weapon System Cost			- / 536.189	- / 101.533	- / 60.902	- / 35.495	- / -	- / 35.495

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MILSATCOM Terminals	P-5, P-5a, P-21		- / 33.795	- / 29.024	- / 11.196	- / 11.305	- / 205.129	- / 1,023.773
CCS-C	P-40a	A	- / 0.274	- / 0.278	- / 0.283	- / -	- / -	- / 1.630
Total Gross/Weapon System Cost			- / 34.069	- / 29.302	- / 11.479	- / 11.305	- / 205.129	- / 1,025.403

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:
PE 0303601F MILSATCOM TERMINALS

SECURE MOBILE ANTI-JAM RELIABLE TACTICAL TERMINALS (SMART-T) UPGRADE: SMART-T is a ground fixed and mobile extremely high frequency (EHF) terminal providing survivable, jam-resistant, worldwide, continuous secure communications to tactical warfighters. Currently, SMART-T terminals interoperate with the Milstar satellite constellation in low data rate (LDR) mode at 2.4 Kbps and medium data rate (MDR) mode at 1.5 Mbps. The Air Force leveraged an Army contract to upgrade and repair the SMART-T Terminals to be compatible with the AEHF satellite system. No FY16 funding requested.

AIR FORCE WIDEBAND ENTERPRISE TERMINALS (AFWET): AFWET terminals form the Satellite Communications (SATCOM) backbone of the DoD Information Network (DoDIN), operating over Wideband Global SATCOM (WGS), Defense Satellite Communications System, commercial and Allied satellites. These Enterprise terminals support the command and control requirements of Combatant Commanders worldwide and the communication requirements of the President, Secretary of Defense, Department of State (DoS), US strategic and tactical forces, and the North Atlantic Treaty Organization. The Air Force is responsible for sustaining facilities and terminal equipment at Air Force operated and maintained Enterprise ground terminal locations. AFWET upgrades include modifications and life extensions to: baseband equipment, interconnect facilities, radomes, and antennas. AFWET funding includes: Program Management Administration (PMA), Product Support, and other related activities worldwide to ensure operational viability in accordance with the Joint Staff, DoD Chief Information Officer and Defense Information Systems Agency (DISA) directives. In FY16, the Air Force will procure and install major modernization kits as Government-Off-The-Shelf (via the Army's Modernization of Enterprise Terminals program), conduct numerous targeted sustainment actions to extend the life of the system, sustain operational suitability, safety and effectiveness, and maintain high interoperability with other DoS, Army, Navy, and Air Force strategic and tactical terminals. Procurement includes ground terminal modernization, baseband equipment, installation and integration, site preparation, and facilities. Unit cost for MET procurement changes substantially depending on specific versions purchased (small, fixed, transportable, protected, etc). Life extension and modernization efforts also provide incidental increases in capability, allowing for full utilization of WGS capabilities, compliance with directives on the usage of Internet Protocol, adherence to Unified Capabilities Requirements, compliance with National Security Agency directives on cryptographic equipment, and more efficient and effective usage of satellite resources for jam-resistant and anti-sciintillation wideband links.

GLOBAL BROADCAST SERVICE (GBS): This AF-led joint program implements a worldwide high-capacity satellite broadcast information system to provide a continuous, one-way, high-speed, high-volume flow of classified and unclassified data and imagery to garrisoned, deployed or moving forces. GBS provides DoD some relief from reliance on leased commercial satellite communications. GBS Receive Suites provide lower-echelon AF users with efficient high-data-rate in-theater to many distributed information sources via satellite-hosted GBS packages. In addition to Prime Mission Equipment, FY16 funds will fund

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs		P-1 Line Item Number / Title: 836780 / Milsatcom Space
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
Line Item MDAP/MAIS Code: 199	Item MDAP/MAIS Code(s):	
<p>integration and installation, technical manual updates, spares, systems engineering, test, PMA, upgrades, and other related activities to provide a non-transmission security (TRANSEC) solution until a TRANSEC modem is available.</p> <p>a. GBS RECEIVE SUITES: The receive suites link users to information sources via GBS, offering worldwide service.</p> <p>b. JOINT INTERNET PROTOCOL MODEM (JIPM): On 13 Nov 14, DoD Chief Information Officer (CIO) re-directed the JIPM acquisition strategy to a commercial-off-the-shelf (COTS) solution.</p> <p>c. TRANSEC MODEM: GBS working with DoD to identify TRANSEC Modem for GBS.</p> <p>d. GBS PORTABLE RECEIVE SUITES: These are Rucksack and Suitcase variants of the GBS terminals required by Special Operations Forces in forward operating areas. FY15 OCO funding will procure GBS Rucksacks to support Force Protection Forces in deployed operations areas.</p> <p>e. GBS BROADCAST MANAGER UPGRADE: This was to upgrade two AF Transportable Satellite Broadcast Manager systems to address parts obsolescence and ensure interoperability with the GBS receive suites.</p> <p>GROUND MULTIBAND TERMINAL (GMT): GMT terminals support warfighter tactical communications requirements utilizing WGS, DSCS and commercial satellite systems. GMT provides flexible, lightweight, modular, scalable, and integrated tactical quad-band SATCOM terminals which operate in X, C, Ku and military Ka frequency bands. The GMT replaces ground mobile force terminals that are reaching end of life. No FY16 funding requested.</p> <p>MILSATCOM SUSTAINMENT MODIFICATIONS: Provides minor modifications for MILSATCOM systems currently in sustainment and those currently fielded. Funding FY16 continues sustainment for MPE 0303605F SATELLITE COMMUNICATIONS (SATCOMS).</p> <p>FAMILY OF ADVANCED BEYOND LINE OF SIGHT TERMINALS (FAB-T) program will provide Extremely High Frequency (EHF) voice and data MILSATCOM for nuclear and conventional forces as well as airborne and ground command posts with connectivity to Milstar, AEHF, and Enhanced Polar System (EPS) satellites. FAB-T terminals will also support the command and control (C2) of Milstar, AEHF, and EPS satellites. Funding in FY15 will continue program office support and production activities including low rate initial production. In June 2014 the Air Force down-selected to Raytheon for development and production of FAB-T Command Post terminals (CPT). Production contract options to produce CPT terminals will be exercised after a successful Milestone C decision. In FY16 FAB-T transferred to PE: 0303001F.</p> <p>HIGH DATA RATE-RADIO FREQUENCY (HDR-RF): The ground terminal program will provide the high data rate SATCOM needed to support the Intelligence, Surveillance, and Reconnaissance (ISR) community with high bandwidth and high throughput capability. HDR-RF ground terminals will be used for command & control ISR, and will support the full spectrum of operation from humanitarian support/ disaster relief to a major theater war. HDR-RF terminals will be interoperable with WGS satellites to support air intelligence, surveillance, and reconnaissance data rates up to 274 Mbps. HDR-RF ground terminals will provide quad-band C-, X-, Ku-, and Ka Band SATCOM. HDR-RF ground terminals will be interoperable with legacy tactical terminals and operate worldwide with existing military and commercial spacecraft. The user of HDR-RF ground terminals is to support ISR missions. No FY16 funding requested</p>		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force								Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836780 / Milsatcom Space					Item Number / Title [DODIC]: - / MILSATCOM Terminals									
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:											
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total						
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Cost (\$ in Millions)	536.189	101.272	60.637	35.226	-	35.226	33.795	29.024	11.196	11.305	205.129	1,023.773						
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) (\$ in Millions)	536.189	101.272	60.637	35.226	-	35.226	33.795	29.024	11.196	11.305	205.129	1,023.773						
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority (\$ in Millions)	536.189	101.272	60.637	35.226	-	35.226	33.795	29.024	11.196	11.305	205.129	1,023.773						
(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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-						
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - 0303601F Cost																		
Recurring Cost																		
AFWET - MODERNIZATION OF ENTERPRISE TERMINALS	7.159	11	78.749	6.416	4	25.663	7.486	4	29.943	5.607	4	22.427	-	-	-	5.607	4	22.427
AFWET UPGRADES	-	-	79.379	-	-	2.070	-	-	4.104	-	-	7.615	-	-	-	-	-	7.615
GBS RECEIVE SUITES	0.250	249	62.275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GBS Portable Receive Suites (OCO) ^(†)	-	-	-	0.178	32	5.695	0.170	115	19.547	-	-	-	-	-	-	-	-	-
GBS Joint IP Modem (PB)	0.011	240	2.575	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GBS Portable Receive Suites	0.314	7	2.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GMT - Quantity: Ground Multiband Terminals	0.000	315	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GMT - TERMINALS	1.607	21	33.744	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GMT - ANTENNAS	0.713	111	79.142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GMT - JIPM Modems	0.037	63	2.331	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GMT - JIPM Modules	0.397	120	47.581	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMART-T - Secure Mobile Anti-jam	-	-	32.902	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6						P-1 Line Item Number / Title: 836780 / Milsatcom Space						Item Number / Title [DODIC]: - / MILSATCOM Terminals						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Reliable Tactical Terminal																		
FAB-T - TERMINALS ^(†)	-	-	-	5.484	10	54.840	-	-	-	-	-	-	-	-	-	-	-	-
HDR-RF - Quantity	0.000	11	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HDR-RF - GROUND TERMINALS	2.449	3	7.347	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HDR-RF - Q-LAA ANTENNAS	0.665	8	5.320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	433.545	-	-	88.268	-	-	53.594	-	-	30.042	-	-	-	-	-	30.042
Subtotal: Hardware - 0303601F Cost	-	-	433.545	-	-	88.268	-	-	53.594	-	-	30.042	-	-	-	-	-	30.042
Software - 0303601F Cost																		
Recurring Cost																		
GMT - Technical Data Package	-	-	2.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	2.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Software - 0303601F Cost	-	-	2.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - 0303601F Cost																		
AFWET - PROGRAM MANAGEMENT ADMINISTRATION (PMA)	-	-	5.515	-	-	1.343	-	-	2.229	-	-	2.125	-	-	-	-	-	2.125
AFWET - PRODUCT SUPPORT	-	-	2.462	-	-	1.284	-	-	1.529	-	-	1.360	-	-	-	-	-	1.360
GBS TRAINING, INTEGRATION, INSTALLATION, and Testing - GBS Receive Suites	-	-	20.773	-	-	1.399	-	-	0.584	-	-	0.123	-	-	-	-	-	0.123
GBS SYSTEM ENGINEERING - GBS Receive Suites	-	-	19.450	-	-	1.004	-	-	0.900	-	-	0.875	-	-	-	-	-	0.875
GBS PROGRAM MANAGEMENT ADMINISTRATION (PMA) - GBS Receive Suites	-	-	8.211	-	-	1.312	-	-	1.472	-	-	0.536	-	-	-	-	-	0.536
GBS DIRECT MISSION SUPPORT	-	-	11.079	-	-	-	-	-	0.329	-	-	0.165	-	-	-	-	-	0.165

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6						P-1 Line Item Number / Title: 836780 / Milsatcom Space						Item Number / Title [DODIC]: - / MILSATCOM Terminals						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
GBS - Training - GBS Rucksacks	-	-	0.275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GMT - SYSTEM ENGINEERING	-	-	4.340	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GMT - PROGRAM MANAGEMENT ADMINISTRATION (PMA)	-	-	9.651	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GBS Transmit Strings - SYSTEM ENGINEERING AND INTEGRATION	-	-	0.949	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GBS Transmit Strings - TELEPORT INTEGRATION	-	-	2.375	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HDR-RF - SYSTEM ENGINEERING	-	-	4.071	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HDR-RF - PROGRAM MANAGEMENT ADMINISTRATION (PMA)	-	-	4.409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FAB-T System Engineering	-	-	-	-	-	3.043	-	-	-	-	-	-	-	-	-	-	-	-
FAB-T Program Management Administration	-	-	2.054	-	-	3.619	-	-	-	-	-	-	-	-	-	-	-	-
FAB-T Production Planning	-	-	4.730	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - 0303601F Cost	-	-	100.344	-	-	13.004	-	-	7.043	-	-	5.184	-	-	-	-	-	5.184
Gross/Weapon System Cost	-	-	536.189	-	-	101.272	-	-	60.637	-	-	35.226	-	-	-	-	-	35.226
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - 0303601F Cost																		
Recurring Cost																		
AFWET - MODERNIZATION OF ENTERPRISE TERMINALS	5.604	4	22.416	8.772	2	17.544	-	-	-	-	-	-	-	-	5.119	6.961	29	201.861

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6							P-1 Line Item Number / Title: 836780 / Milsatcom Space						Item Number / Title [DODIC]: - / MILSATCOM Terminals					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
AFWET UPGRADES	-	-	7.843	-	-	8.120	-	-	8.552	-	-	8.604	-	-	152.350	-	-	278.637
GBS RECEIVE SUITES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.250	249	62.275
GBS Portable Receive Suites (OCO) ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.172	147	25.242
GBS Joint IP Modem (PB)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.011	240	2.575
GBS Portable Receive Suites	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.314	7	2.200
GMT - Quantity: Ground Multiband Terminals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	315	-
GMT - TERMINALS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.607	21	33.744
GMT - ANTENNAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.713	111	79.142
GMT - JIPM Modems	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.037	63	2.331
GMT - JIPM Modules	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.397	120	47.581
SMART-T - Secure Mobile Anti-jam Reliable Tactical Terminal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.902
FAB-T - TERMINALS ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.484	10	54.840
HDR-RF - Quantity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
HDR-RF - GROUND TERMINALS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.449	3	7.347
HDR-RF - Q-LAA ANTENNAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.665	8	5.320
Subtotal: Recurring Cost	-	-	30.259	-	-	25.664	-	-	8.552	-	-	8.604	-	-	157.469	-	-	835.997
Subtotal: Hardware - 0303601F Cost	-	-	30.259	-	-	25.664	-	-	8.552	-	-	8.604	-	-	157.469	-	-	835.997
Software - 0303601F Cost																		
Recurring Cost																		
GMT - Technical Data Package	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.300
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.300
Subtotal: Software - 0303601F Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.300
Support - 0303601F Cost																		
AFWET - PROGRAM MANAGEMENT	-	-	2.148	-	-	1.945	-	-	1.200	-	-	1.229	-	-	21.687	-	-	39.421

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6							P-1 Line Item Number / Title: 836780 / Milsatcom Space						Item Number / Title [DODIC]: - / MILSATCOM Terminals					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
ADMINISTRATION (PMA)																		
AFWET - PRODUCT SUPPORT	-	-	1.388	-	-	1.415	-	-	1.444	-	-	1.472	-	-	25.973	-	-	38.327
GBS TRAINING, INTEGRATION, INSTALLATION, and Testing - GBS Receive Suites	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.879
GBS SYSTEM ENGINEERING - GBS Receive Suites	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.229
GBS PROGRAM MANAGEMENT ADMINISTRATION (PMA) - GBS Receive Suites	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.531
GBS DIRECT MISSION SUPPORT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.573
GBS - Training - GBS Rucksacks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.275
GMT - SYSTEM ENGINEERING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.340
GMT - PROGRAM MANAGEMENT ADMINISTRATION (PMA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.651
GBS Transmit Strings - SYSTEM ENGINEERING AND INTEGRATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.949
GBS Transmit Strings - TELEPORT INTEGRATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.375
HDR-RF - SYSTEM ENGINEERING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.071
HDR-RF - PROGRAM MANAGEMENT ADMINISTRATION (PMA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.409
FAB-T System Engineering	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.043
FAB-T Program Management Administration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.673
FAB-T Production Planning	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.730

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6						P-1 Line Item Number / Title: 836780 / Milsatcom Space							Item Number / Title [DODIC]: - / MILSATCOM Terminals					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
	Subtotal: Support - 0303601F Cost	-	-	3.536	-	-	3.360	-	-	2.644	-	-	2.701	-	-	47.660	-	-
Gross/Weapon System Cost	-	-	33.795	-	-	29.024	-	-	11.196	-	-	11.305	-	-	205.129	-	-	1,023.773

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836780 / Milsatcom Space				Item Number / Title [DODIC]: - / MILSATCOM Terminals				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
GBS Portable Receive Suites (OCO) ^(†)		2014	AQYR Technologies, Inc / Nashua, NH	C / IDIQ	AFLCMC Hanscom AFB	Aug 2015	Apr 2016	32	0.178	Y		
GBS Portable Receive Suites (OCO) ^(†)		2015	AQYR Technologies, Inc / Nashua, NH	C / IDIQ	AFLCMC Hanscom AFB	Aug 2015	Jun 2016	115	0.170	Y		
FAB-T - TERMINALS ^(†)		2014	Raytheon Corporation / Marlborough, MA	C / FFP	AFLCMC Hanscom AFB	Sep 2015	Aug 2016	10	5.484	Y		Mar 2013

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Air Force																				Date: February 2015													
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6										P-1 Line Item Number / Title: 836780 / Milsatcom Space										Item Number / Title [DODIC]: - / MILSATCOM Terminals													
Cost Elements (Units in Each)							Fiscal Year 2015													Fiscal Year 2016													
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015													Calendar Year 2016													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		
GBS Portable Receive Suites (OCO)																																	
	1	2014	AF		32	-	32											A -	-	-	-	-	-	-	-	-	30	2					-
	1	2015	AF		115	-	115											A -	-	-	-	-	-	-	-	-	-	-	28	29	29	29	-
FAB-T - TERMINALS																																	
	2	2014	AF		10	-	10											A -	-	-	-	-	-	-	-	-	-	-	-	-	1	1	8
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Air Force																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity:										P-1 Line Item Number / Title:													Item Number / Title [DODIC]:									
3080F / 03 / 6										836780 / Milsatcom Space													- / MILSATCOM Terminals									
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2017												Fiscal Year 2018													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017												Calendar Year 2018												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
GBS Portable Receive Suites (OCO)																																
	1	2014	AF	32	32	-																										-
	1	2015	AF	115	115	-																										-
FAB-T - TERMINALS																																
	2	2014	AF	10	2	8	2	2	2	2																						-
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6					P-1 Line Item Number / Title: 836780 / Milsatcom Space				Item Number / Title [DODIC]: - / MILSATCOM Terminals			
		Production Rates (Each / Month)			Procurement Leadtime (Months)							
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	AQYR Technologies, Inc - Nashua, NH	-	-	30	-	23	8	31	-	-	-	-
2	Raytheon Corporation - Marlborough, MA	-	-	4	-	24	11	35	-	-	-	-

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

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6								P-1 Line Item Number / Title: 836780 / Milsatcom Space							Aggregated Items Title: Satellite Communications (SATCOM) O&M				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
CCS-C	A		-	-	-	-	-	0.261	-	-	0.265	-	-	0.269	-	-	-	-	-	0.269
Subtotal: Uncategorized			-	-	-	-	-	0.261	-	-	0.265	-	-	0.269	-	-	-	-	-	0.269
Total			-	-	-	-	-	0.261	-	-	0.265	-	-	0.269	-	-	-	-	-	0.269

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
CCS-C	A		-	-	0.274	-	-	0.278	-	-	0.283	-	-	-	-	-	-	-	-	1.630
Subtotal: Uncategorized			-	-	0.274	-	-	0.278	-	-	0.283	-	-	-	-	-	-	-	-	1.630
Total			-	-	0.274	-	-	0.278	-	-	0.283	-	-	-	-	-	-	-	-	1.630

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs							P-1 Line Item Number / Title: 836790 / Space Mods Space					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items: 0305165F, 0305940F				Other Related Program Elements: 0305614F, 0305940F				
Line Item MDAP/MAIS Code: 166			Item MDAP/MAIS Code(s):									
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	35.639	31.706	23.435	-	23.435	21.257	28.873	29.569	30.094	-	200.573
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	35.639	31.706	23.435	-	23.435	21.257	28.873	29.569	30.094	-	200.573
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	35.639	31.706	23.435	-	23.435	21.257	28.873	29.569	30.094	-	200.573
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Space Mods Space enables the development of advanced Command and Control (C2) Battle Management, Intelligence Surveillance and Reconnaissance (ISR), and Command, Control, Communications, Computers, and Intelligence (C4I) systems to conduct effective predictive battle space awareness, facilitate precision attack, and compress the sensor-to-shooter kill chain. Permanent modifications are configuration changes to in-service systems and equipment that correct materiel or other deficiencies, or that add or delete capability. Safety modifications correct deficiencies that produce hazards to personnel, systems, or equipment. This budget line covers both new and on-going modification efforts for space equipment and systems. Modification installation funding is budgeted in the year the installation occurs.

PE 0305160F DEF METEOROLOGICAL SAT PROG (SPACE)

The DEFENSE METEOROLOGICAL SATELLITE PROGRAM (DMSP) is a fully operational program supporting a broad range of national security users who require timely and accurate global weather information. DMSP is the only DoD assured source of global weather data providing visible and infrared cloud cover imagery (1/3 nautical miles (nm) constant resolution) and other meteorological, oceanographic, land surface, and space environmental data. DMSP satellites are flown in sun-synchronous, 450nm polar-orbits to meet mission requirements (sun-synchronous means the satellites cross the equator at the same local sun time on each of their 14 orbits/day).

Key elements of the DMSP constellation command and control (C2) ground system have not been re-capitalized since the equipment was transferred to the National Oceanic and Atmospheric Administration Office of Satellite Operations in 1998. Critical C2 component spares have been depleted and parts cannibalization is no longer sustainable. Therefore, DMSP re-established a 3080 funding line beginning in FY15 to enable continued C2 ground segment sustainment through a selective re-capitalization effort. C2 subsystems to be addressed include but are not limited to the Telemetry and Commanding System, flight configuration management, Mission Planning and Scheduling System, and tracking station interface units. This selective re-capitalization effort is intended to ensure the DMSP C2 system remains viable through the planned DMSP mission fly-out no later than 2027.

PE 0305165F NAVSTAR GPS (SPACE AND CONTROL SEGMENTS)

NAVSTAR GLOBAL POSITIONING SYSTEM (GPS) provides highly accurate time and three dimensional position and velocity information to an unlimited number of users anywhere on or above the surface of the earth, in any weather. This system supplies highly accurate position, velocity, timing, and Nuclear Detonation (NUDET) Detection System (NDS) information to properly equipped air, land, sea, and space-based users worldwide. The GPS system consists of three segments: space, control, and user equipment. The Operational Control System (OCS) is part of the control segment and requires modifications to replace high failure rate parts and preclude system operational degradation. Without these mods, aging and obsolete equipment will excessively degrade, ultimately resulting in system failure. System failure

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs		P-1 Line Item Number / Title: 836790 / Space Mods Space
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items: 0305165F, 0305940F	Other Related Program Elements: 0305614F, 0305940F
Line Item MDAP/MAIS Code: 166	Item MDAP/MAIS Code(s):	
<p>or even partial system failure will cause a loss of operational availability and the transmission of inaccurate navigation data to worldwide users, resulting in potential loss of life and/or operational equipment, including multi-million dollar satellites. OCS is required to operate until the Next Generation Operational Control System (OCX) transitions to operations.</p> <p>PE 0305614F JSPOC MISSION SYSTEM</p> <p>JOINT SPACE OPERATIONS CENTER (JSPOC) Mission System (JMS) provides integrated space situational awareness information and C2 of space forces for the Joint Functional Component Commander for Space (JFCC-SPACE). It will allow JFCC-SPACE to plan, direct, coordinate, and control operations of assigned forces. The JMS provides a net-centric, Services Oriented Architecture (SOA) along with space mission applications to meet the needs above. It implements a Space User Defined Operational Picture (UDOP) to provide the capability to create, visualize, and share decision-relevant views of space operational environment at all echelons.</p> <p>PE 0305912F SLBM RADAR WARNING SYSTEM</p> <p>SEA-LAUNCHED BALLISTIC MISSILE (SLBM) DETECTION AND WARNING SYSTEM: The primary mission of the 474N SLBM Detection and Warning System is to provide United States Strategic Command (USSTRATCOM) with credible Integrated Tactical Warning/Attack Assessment (ITW/AA) data on all SLBMs penetrating the coverage area. This data includes an estimation of launch and predicted impact (L&PI) locations and times. The secondary mission is to provide the Cheyenne Mountain Air Force Station, CO (CMAFS) and other users with ITW/AA data on Intercontinental Ballistic Missiles (ICBMs) penetrating the coverage area. Additionally, Perimeter Acquisition Radar Attack Characterization System (PARCS) and PAVE Phased Array Warning Systems (PAVE PAWS) support the Space Situational Awareness (SSA) mission by providing near earth satellite surveillance, tracking and identification as required by the Space Control Center, Alternate Space Control Center, and the Joint Intelligence Center. The sensors have an operational availability requirement of 98 percent. The 474N SLBM Detection and Warning System currently consists of: a) the AN/FPQ-16 PARCS and b) the AN/FPS-123 PAVE PAWS System (Phased Array Radars for SLBM Detection and Warning System).</p> <p>PE 0305940F SPACE SITUATION AWARENESS OPERATIONS</p> <p>GROUND-BASED ELECTRO OPTICAL DEEP SPACE SURVEILLANCE (GEODSS) SERVICE LIFE EXTENSION PROGRAM (SLEP) Phase II: The GEODSS SLEP Phase II will replace aging unsupportable mission critical sub-systems with modern sustainable components, allowing continued mission operations through 2025. GEODSS is a three-site optical telescope system dedicated to the Space Surveillance Network (SSN). The GEODSS sites, located in Socorro, New Mexico; Maui, Hawaii; and Diego Garcia (British Indian Ocean Territories), provide time critical deep-space tracking information for the Joint Space Operations Center (JSPOC). The GEODSS SLEP Phase II will modernize the Sensor Controller, Data Processing, and other unsustainable subsystems as required for all sites. The program will replace the obsolete, diminishing supportable components of the GEODSS Sensor Controller Group (SCG) with sustainable hardware/software technology.</p> <p>PE 0604425F SPACE SITUATION AWARENESS SYSTEMS</p> <p>NET-CENTRIC SENSORS AND DATA SOURCES (N-CSDS): The N-CSDS program, through net-centric exposure, provides data from traditional Space Surveillance Network (SSN) sensors and non-traditional space situational awareness sensors, and data sources. It enables legacy sensors and data sources to distribute information net-centrally while also providing additional data.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs				P-1 Line Item Number / Title: 836790 / Space Mods Space				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items: 0305165F, 0305940F			Other Related Program Elements: 0305614F, 0305940F		
Line Item MDAP/MAIS Code: 166		Item MDAP/MAIS Code(s):						
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Telemetry and Commanding System	P-40a	A	- / -	- / -	- / 2.165	- / 1.074	- / -	- / 1.074
Mission Plan/Schedule	P-40a	A	- / -	- / -	- / -	- / 1.100	- / -	- / 1.100
Communications	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
1 / NAVSTAR GPS-OCS COTS UPGRADE (Reliability & Maintainability)	P-3a		- / 0.000	- / 9.774	- / 12.656	- / 11.882	- / -	- / 11.882
Joint Space Operations Center Mission System	P-40a	A	- / -	- / 0.867	- / -	- / -	- / -	- / -
1 / P-3A HEMP (Capability Improvement)	P-40a		- / -	- / 12.854	- / -	- / -	- / -	- / -
2 / P-3A PARCS DDG 2 (Reliability & Maintainability)	P-40a		- / -	- / 0.308	- / 1.000	- / -	- / -	- / -
3 / P-3A PARCS MDP/MDSS Replacement (Reliability & Maintainability)	P-40a		- / -	- / 7.050	- / 2.200	- / -	- / -	- / -
4 / PAVE PAWS DP/SP (Reliability & Maintainability)	P-40a		- / -	- / 0.750	- / -	- / -	- / -	- / -
5 / P-3A PAVE PAWS Modification (formerly PAVE PAWS Front End) (Reliability & Maintainability)	P-40a		- / -	- / -	- / 5.984	- / 4.596	- / -	- / 4.596
1 / P-3A PARCS Modification (formerly PARCS PARSS) (Reliability & Maintainability)	P-3a		- / -	- / -	- / -	- / 4.783	- / -	- / 4.783
Net-Centric Sensors and Data Sources (N-CSDS) {PE 0305940F}	P-40a	A	- / -	- / 4.036	- / 4.577	- / -	- / -	- / -
1 / P-3A GEODSS (Service Life Extension)	P-40a		- / -	- / -	- / 3.124	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 0.000	- / 35.639	- / 31.706	- / 23.435	- / -	- / 23.435
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Telemetry and Commanding System	P-40a	A	- / 0.762	- / -	- / -	- / -	- / -	- / 4.001
Mission Plan/Schedule	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / 1.100
Communications	P-40a	A	- / 0.760	- / 1.085	- / 1.085	- / 1.104	- / -	- / 4.034
1 / NAVSTAR GPS-OCS COTS UPGRADE (Reliability & Maintainability)	P-3a		- / 1.974	- / -	- / -	- / -	- / -	- / 36.286
Joint Space Operations Center Mission System	P-40a	A	- / -	- / 11.932	- / 12.347	- / 12.567	- / -	- / 37.713
1 / P-3A HEMP (Capability Improvement)	P-40a		- / -	- / -	- / -	- / -	- / -	- / 12.854
2 / P-3A PARCS DDG 2 (Reliability & Maintainability)	P-40a		- / -	- / -	- / -	- / -	- / -	- / 1.308
3 / P-3A PARCS MDP/MDSS Replacement (Reliability & Maintainability)	P-40a		- / -	- / -	- / -	- / -	- / -	- / 9.250
4 / PAVE PAWS DP/SP (Reliability & Maintainability)	P-40a		- / -	- / -	- / -	- / -	- / -	- / 0.750
5 / P-3A PAVE PAWS Modification (formerly PAVE PAWS Front End) (Reliability & Maintainability)	P-40a		- / 7.639	- / 7.769	- / 7.907	- / 8.047	- / -	- / 41.942
1 / P-3A PARCS Modification (formerly PARCS PARSS) (Reliability & Maintainability)	P-3a		- / 7.950	- / 8.087	- / 8.230	- / 8.376	- / -	- / 37.426
Net-Centric Sensors and Data Sources (N-CSDS) {PE 0305940F}	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / 8.613
1 / P-3A GEODSS (Service Life Extension)	P-40a		- / 2.172	- / -	- / -	- / -	- / -	- / 5.296
Total Gross/Weapon System Cost			- / 21.257	- / 28.873	- / 29.569	- / 30.094	- / -	- / 200.573

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs		P-1 Line Item Number / Title: 836790 / Space Mods Space
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items: 0305165F, 0305940F	Other Related Program Elements: 0305614F, 0305940F
Line Item MDAP/MAIS Code: 166	Item MDAP/MAIS Code(s):	
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.		
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.		
<p>Justification: PE 0305160F DEF METEOROLOGICAL SAT PROG (SPACE)</p> <p>FY16 funds C2 subsystems that include but are not limited to the phase 2 of the Telemetry and Commanding System (TCS) mod and updates the Mission Plan scheduling engine (MPSS) and development to allow performance improvements for cold and hot scheduling while improving supportability.</p> <p>PE 0305165F NAVSTAR GPS (SPACE AND CONTROL SEGMENTS)</p> <p>FY16 GPS OCS COTS Upgrade: FY16 funding procures GPS Architecture Evolution Plan (AEP) and Launch Anomaly Resolution and Disposal Operations (LADO) commercial equipment that has become obsolete/unsupportable or requires upgrades. Funding will procure equipment for the OCS ground sites including the Master Control Station (MCS), Alternate Master Control Station (AMCS), four Ground Antennas (GAs), six Monitor Stations (MSs), a contractor lab facility, and the Telecommunications Simulator Test Set (TSTS). Modifications include required procurement, nonrecurring engineering, installation, testing, configuration management, security, quality assurance and technical documentation. Funding sustains OCS until OCX transitions to operations.</p> <p>PE 0305614F JSPOC MISSION SYSTEM</p> <p>Where applicable, justification for individual modifications is provided in the P-3A exhibits.</p> <p>PE 0305912F SLBM RADAR WARNING SYSTEM</p> <p>Where applicable, justification for individual modifications is provided in the P-3A exhibits.</p> <p>PE 0305940F SPACE SITUATIONAL AWARENESS OPERATIONS</p> <p>Where applicable, justification for individual modifications is provided in the P-3A exhibits.</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6								P-1 Line Item Number / Title: 836790 / Space Mods Space							Aggregated Items Title: Defense Meteorological Satellite Program (SPACE)				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total							
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)					
Uncategorized																									
Telemetry and Commanding System	A		-	-	-	-	-	-	-	-	2.165	-	-	1.074	-	-	-	-	-	1.074					
Mission Plan/Schedule	A		-	-	-	-	-	-	-	-	-	-	-	1.100	-	-	-	-	-	1.100					
Communications	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	2.165	-	-	2.174	-	-	-	-	-	2.174					
Total			-	-	-	-	-	-	-	-	2.165	-	-	2.174	-	-	-	-	-	2.174					

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost						
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)				
Uncategorized																								
Telemetry and Commanding System	A		-	-	0.762	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.001				
Mission Plan/Schedule	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.100				
Communications	A		-	-	0.760	-	-	1.085	-	-	1.085	-	-	1.104	-	-	-	-	-	4.034				
Subtotal: Uncategorized			-	-	1.522	-	-	1.085	-	-	1.085	-	-	1.104	-	-	-	-	-	9.135				
Total			-	-	1.522	-	-	1.085	-	-	1.085	-	-	1.104	-	-	-	-	-	9.135				

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Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6	P-1 Line Item Number / Title: 836790 / Space Mods Space	Modification Number / Title: 1 / NAVSTAR GPS-OCS COTS UPGRADE

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	9.774	12.656	11.882	-	11.882	1.974	-	-	-	-	36.286
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	9.774	12.656	11.882	-	11.882	1.974	-	-	-	-	36.286
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	9.774	12.656	11.882	-	11.882	1.974	-	-	-	-	36.286
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Funding procures GPS Architecture Evolution Plan (AEP) and Launch Anomaly Resolution and Disposal Operations (LADO) commercial equipment that has become obsolete/unsupportable or requires upgrades. Funding will procure equipment for the OCS ground sites including the Master Control Station (MCS), Alternate Master Control Station (AMCS), four Ground Antennas (GAs), six Monitor Control Stations(MCS), Contractor Lab Facility and Telecommunications Simulator Test Set (TSTS). Modifications include required procurement, non-recurring engineering, installation, testing, configuration management, security, quality assurance and technical documentation. Funding sustains OCS until OCX transitions to operations. If not funded, down time and maintenance costs associated with repair or failed equipment will increase, lowering system operational availability.

Milestone/Development Status

Development funding for the OCS is in PE 0305165F. Program complete in FY13.

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Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836790 / Space Mods Space				Modification Number / Title: 1 / NAVSTAR GPS-OCS COTS UPGRADE					
Models of Systems Affected: Operational Control Segment (OCS) Global Positioning System (GPS)				Modification Type: Reliability & Maintainability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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													
Modification Item 1 of 1: Install Kits													
A Kits													
Recurring													
Install Kits:INSTALL KITS Group A (Active)	- / -	14 / 3.570	14 / 4.620	14 / 4.290	- / -	14 / 4.290	14 / 0.711	- / -	- / -	- / -	- / -	56 / 13.191	
Subtotal: Recurring	- / -	- / 3.570	- / 4.620	- / 4.290	- / -	- / 4.290	- / 0.711	- / -	- / -	- / -	- / -	- / 13.191	
B Kits													
Recurring													
Install Kits:EQUIPMENT Group B (Active)	- / -	14 / 1.379	14 / 1.786	14 / 1.688	- / -	14 / 1.688	14 / 0.281	- / -	- / -	- / -	- / -	56 / 5.134	
Subtotal: Recurring	- / -	- / 1.379	- / 1.786	- / 1.688	- / -	- / 1.688	- / 0.281	- / -	- / -	- / -	- / -	- / 5.134	
Subtotal: Install Kits	- / -	- / 4.949	- / 6.406	- / 5.978	- / -	- / 5.978	- / 0.992	- / -	- / -	- / -	- / -	- / 18.325	
Subtotal: Procurement, All Modification Items	- / -	- / 4.949	- / 6.406	- / 5.978	- / -	- / 5.978	- / 0.992	- / -	- / -	- / -	- / -	- / 18.325	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / -	- / 1.542	- / 1.996	- / 1.887	- / -	- / 1.887	- / 0.313	- / -	- / -	- / -	- / -	- / 5.738	
Data	- / -	14 / 1.298	14 / 1.681	14 / 1.588	- / -	14 / 1.588	14 / 0.265	- / -	- / -	- / -	- / -	56 / 4.832	
SUPPORT-EQUIP	- / -	14 / 0.324	14 / 0.420	14 / 0.397	- / -	14 / 0.397	14 / 0.066	- / -	- / -	- / -	- / -	56 / 1.207	
Subtotal: Support	- / -	28 / 3.164	28 / 4.097	28 / 3.872	- / -	28 / 3.872	28 / 0.644	- / -	- / -	- / -	- / -	112 / 11.777	
Installation													
Modification Item 1 of 1: Install Kits	- / -	14 / 1.661	14 / 2.153	14 / 2.032	- / -	14 / 2.032	14 / 0.338	- / -	- / -	- / -	- / -	56 / 6.184	
Subtotal: Installation	- / -	14 / 1.661	14 / 2.153	14 / 2.032	- / -	14 / 2.032	14 / 0.338	- / -	- / -	- / -	- / -	56 / 6.184	
Total													
Total Cost (Procurement + Support + Installation)	0.000	9.774	12.656	11.882	-	11.882	1.974	-	-	-	-	36.286	

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Exhibit P-3a, Individual Modification: PB 2016 Air Force				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6		P-1 Line Item Number / Title: 836790 / Space Mods Space			Modification Number / Title: 1 / NAVSTAR GPS-OCS COTS UPGRADE		

Modification Item 1 of 1: Install Kits

Manufacturer Information

Manufacturer Name: Lockheed Martin				Manufacturer Location: Various			
Administrative Leadtime (in Months): 7				Production Leadtime (in Months): 2			

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	May 2014	May 2015	May 2016	May 2017			
Delivery Dates	Jul 2014	Jul 2015	Jul 2016	Jul 2017			

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	14 / 1.661	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 1.661
FY 2015	- / -	- / -	14 / 2.153	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 2.153
FY 2016	- / -	- / -	- / -	14 / 2.032	- / -	14 / 2.032	- / -	- / -	- / -	- / -	- / -	14 / 2.032
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.338	- / -	- / -	- / -	- / -	14 / 0.338
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	14 / 1.661	14 / 2.153	14 / 2.032	- / -	14 / 2.032	14 / 0.338	- / -	- / -	- / -	- / -	56 / 6.184

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	14	-	-	-	14	-	-	-	14	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56
Out	0	-	-	-	14	-	-	-	14	-	-	-	14	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	56

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6								P-1 Line Item Number / Title: 836790 / Space Mods Space							Aggregated Items Title: JSPOC Mission System				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total						
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)				
Uncategorized																								
Joint Space Operations Center Mission System	A		-	-	-	-	-	0.867	-	-	-	-	-	-	-	-	-	-	-	-				
Subtotal: Uncategorized			-	-	-	-	-	0.867	-	-	-	-	-	-	-	-	-	-	-	-				
Total			-	-	-	-	-	0.867	-	-	-	-	-	-	-	-	-	-	-	-				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost						
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)				
Uncategorized																								
Joint Space Operations Center Mission System	A		-	-	-	-	-	11.932	-	-	12.347	-	-	12.567	-	-	-	-	-	37.713				
Subtotal: Uncategorized			-	-	-	-	-	11.932	-	-	12.347	-	-	12.567	-	-	-	-	-	37.713				
Total			-	-	-	-	-	11.932	-	-	12.347	-	-	12.567	-	-	-	-	-	37.713				

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Modification Items: PB 2016 Air Force																Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6								P-1 Line Item Number / Title: 836790 / Space Mods Space								Aggregated Modification Items Title: Submarine-Launched Ballistic Missile (SLBM) Radar Warning System			

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

Item Number / Title	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / P-3A HEMP			-	-	-	-	-	12.854	-	-	-	-	-	-	-	-	-	-	-	-
2 / P-3A PARCS DDG 2			-	-	-	-	-	0.308	-	-	1.000	-	-	-	-	-	-	-	-	-
3 / P-3A PARCS MDP/MDSS Replacement			-	-	-	-	-	7.050	-	-	2.200	-	-	-	-	-	-	-	-	-
4 / PAVE PAWS DP/SP			-	-	-	-	-	0.750	-	-	-	-	-	-	-	-	-	-	-	-
5 / P-3A PAVE PAWS Modification (formerly PAVE PAWS Front End)			-	-	-	-	-	-	-	-	5.984	-	-	4.596	-	-	-	-	-	4.596
Total			-	-	0.000	-	-	20.962	-	-	9.184	-	-	4.596	-	-	-	-	-	4.596

Item Number / Title	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / P-3A HEMP			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.854
2 / P-3A PARCS DDG 2			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.308
3 / P-3A PARCS MDP/MDSS Replacement			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.250
4 / PAVE PAWS DP/SP			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.750
5 / P-3A PAVE PAWS Modification (formerly PAVE PAWS Front End)			-	-	7.639	-	-	7.769	-	-	7.907	-	-	8.047	-	-	-	-	-	41.942
Total			-	-	7.639	-	-	7.769	-	-	7.907	-	-	8.047	-	-	-	-	-	66.104

Modification Information:

Item Number / Title	Models of Systems Affected	Modification Type
1 / P-3A HEMP	PARCS Radar	Capability Improvement
2 / P-3A PARCS DDG 2	PARCS Radar	Reliability & Maintainability
3 / P-3A PARCS MDP/MDSS Replacement	Exelis	Reliability & Maintainability
4 / PAVE PAWS DP/SP	PAVE PAWS	Reliability & Maintainability
5 / P-3A PAVE PAWS Modification (formerly PAVE PAWS Front End)	PAVE PAWS	Reliability & Maintainability

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Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836790 / Space Mods Space					Modification Number / Title: 1 / P-3A PARCS Modification (formerly PARCS PARSS)			

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	-	4.783	-	4.783	7.950	8.087	8.230	8.376	-	37.426
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	-	4.783	-	4.783	7.950	8.087	8.230	8.376	-	37.426
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	4.783	-	4.783	7.950	8.087	8.230	8.376	-	37.426
(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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The PARCS Program Office plans for and procures replacement components for unsupportable, unobtainable, and unreliable system components. PARCS equipment is composed of custom built components that became obsolete in the 1980's. Most spare parts for this system are no longer available and have no logistics tail. Without replacements there is a high risk of mission failure and/or unacceptable downtime for repair. To best ensure operational availability, replacement projects are performed in phases targeting the highest risk components of the subsystems. FY16 funds will be used to modify the PARCS system for the replacement of unsupportable and unreliable components to include (with any required initial spares), but not limited to, the PARCS Mission Data Processor, Radar Transmitter, Antenna Group, Exciter Group, Radio Frequency Signal Processor Group, Performance Monitor Group, Radar Return Generator Group, Digital Data Group, and Radar Controller Group.

Milestone/Development Status

n/a

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Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836790 / Space Mods Space				Modification Number / Title: 1 / P-3A PARCS Modification (formerly PARCS PARSS)					
Models of Systems Affected: Exelis				Modification Type: Reliability & Maintainability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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													
Modification Item 1 of 1: Modification													
A Kits													
Recurring													
Modification:INSTALL KITS Group A (Active)													
Subtotal: Recurring													
B Kits													
Recurring													
Modification:EQUIPMENT Group B (Active)													
Subtotal: Recurring													
Subtotal: Modification													
Subtotal: Procurement, All Modification Items													
Support (All Modification Items)													
OTHER GOVT													
Subtotal: Support													
Installation													
Modification Item 1 of 1: Modification													
Subtotal: Installation													
Total													
Total Cost (Procurement + Support + Installation)													

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Exhibit P-3a, Individual Modification: PB 2016 Air Force				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6				P-1 Line Item Number / Title: 836790 / Space Mods Space			
				Modification Number / Title: 1 / P-3A PARCS Modification (formerly PARCS PARSS)			

Modification Item 1 of 1: Modification

Manufacturer Information

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

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	1 / -	- / -	1 / -	- / -	- / -	- / -	- / -	- / -	1 / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.115	- / 0.209	- / -	- / 0.324
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	1 / -	- / -	1 / -	- / -	- / -	- / 0.115	- / 0.209	- / -	1 / 0.324

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Out	0	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6								P-1 Line Item Number / Title: 836790 / Space Mods Space							Aggregated Items Title: Space Situation Awareness Operations				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Net-Centric Sensors and Data Sources (N-CSDS) {PE 0305940F}	A		-	-	-	-	-	4.036	-	-	4.577	-	-	-	-	-	-	-	-	-
Subtotal: Uncategorized			-	-	-	-	-	4.036	-	-	4.577	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	4.036	-	-	4.577	-	-	-	-	-	-	-	-	-

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Net-Centric Sensors and Data Sources (N-CSDS) {PE 0305940F}	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.613	
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.613	
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.613	

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Exhibit P-40a, Budget Item Justification For Aggregated Modification Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6						P-1 Line Item Number / Title: 836790 / Space Mods Space									Aggregated Modification Items Title: Space Situation Awareness Operations				

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

Item Number / Title	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / P-3A GEODSS			-	-	-	-	-	-	-	-	3.124	-	-	-	-	-	-	-	-	-
Total			-	-	0.000	-	-	-	-	-	3.124	-	-	-	-	-	-	-	-	-

Item Number / Title	ID CD	MDAP/ MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / P-3A GEODSS			-	-	2.172	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.296
Total			-	-	2.172	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.296

Modification Information:

Item Number / Title	Models of Systems Affected	Modification Type
1 / P-3A GEODSS	N/A	Service Life Extension

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs	P-1 Line Item Number / Title: 836810 / Counterspace System
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ID Code (A=Service Ready, B=Not Service Ready) : B	Program Elements for Code B Items: 0604421F	Other Related Program Elements:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	8.041	59.439	43.065	-	43.065	27.207	22.847	-	-	-	160.599
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	8.041	59.439	43.065	-	43.065	27.207	22.847	-	-	-	160.599
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	8.041	59.439	43.065	-	43.065	27.207	22.847	-	-	-	160.599

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Counterspace Systems includes systems to disrupt, deny, degrade or destroy adversary space systems or the information they provide Offensive Counterspace (OCS), and active and passive measures to protect US and friendly space-related capabilities from enemy attack or interference (Defensive Counterspace). Current programs include a Defensive Counterspace (DCS) program, Counter Communications System (CCS), and an OCS program.

The CCS Pre-planned product Improvement (P3I) program provides expeditionary, deployable, reversible offensive Counterspace effects applicable across the full spectrum of conflict. It prevents adversary SATCOM in AOR including C2, Early Warning, and Propaganda; and hosts Rapid Reaction Capabilities in response to Urgent Needs. Acquisition Decision Memorandum (24 April 2009) directed all capabilities identified in the October 2006 CCS Block 20, JROC-approved Capability Development Document (CDD) shall be accomplished as P3I upgrades to the CCS Block 10.

The Rapid Attack Identification, Detection, and Reporting System (RAIDRS) Block 10 (RB-10) program was officially terminated on 10 Jun 2014 when the Air Force Program Executive Officer for Space (AFPEO/SP) signed a Termination Acquisition Decision Memorandum. The AFPEO/SP formally notified SAF/AQ of this Termination decision via memorandum on 17 June 2014. The Air Force will not identify the RB-10 program on any future budget document correspondence. The Air Force is making every effort to transfer and reuse RAIDRS assets in order to reduce costs on active programs.

Funding for this exhibit and developmental funding for CCS is in Program Element 0604421F, Counterspace Systems.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 6: Space Programs					P-1 Line Item Number / Title: 836810 / Counterspace System			
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items: 0604421F			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Counterspace System	P-5, P-5a		- / -	- / 8.041	- / 59.439	- / 43.065	- / -	- / 43.065
Total Gross/Weapon System Cost			- / -	- / 8.041	- / 59.439	- / 43.065	- / -	- / 43.065
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:

1. RAPID ATTACK IDENTIFICATION DETECTION AND REPORTING SYSTEM (RAIDRS): No FY16 funding is requested.
2. COUNTER COMMUNICATIONS SYSTEM (CCS)Pre-planned Product Improvement Program: Funding in FY16 provides for Commercial End Items (e.g. signal generation hardware, up- and down-link converters, spectrum analyzers, antennas, etc.) for four Increment Two (10.2) system upgrades. Funding in FY16 also provides for the purchase of 1 CCS 10.2 unit for the Air National Guard and two Commercial End Items.
3. GROUND BASED SATELLITE EMITTER LOCATOR NETWORK (GSELN): No FY16 funding is requested.

FY16 funds continue Program Management Administration (PMA) to procure other support for the system program office.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6						P-1 Line Item Number / Title: 836810 / Counterspace System												Item Number / Title [DODIC]: - / Counterspace System						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:														
Resource Summary						Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total								
Procurement Quantity <i>(Units in Each)</i>						-		-		-		-		-		-								
Gross/Weapon System Cost <i>(\$ in Millions)</i>						-		8.041		59.439		43.065		-		43.065								
Less PY Advance Procurement <i>(\$ in Millions)</i>						-		-		-		-		-		-								
Net Procurement (P1) <i>(\$ in Millions)</i>						-		8.041		59.439		43.065		-		43.065								
Plus CY Advance Procurement <i>(\$ in Millions)</i>						-		-		-		-		-		-								
Total Obligation Authority <i>(\$ in Millions)</i>						-		8.041		59.439		43.065		-		43.065								
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																								
Initial Spares <i>(\$ in Millions)</i>						-		-		-		-		-		-								
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>						-		-		-		-		-		-								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																								
Cost Elements		Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total							
		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)					
Hardware - Hardware End Item Cost																								
Recurring Cost																								
a. RAIDRS SITE PREPARATION AND ACTIVATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
b. CCS PRE-PLANNED PRODUCT IMPROVEMENT (P3I) ^(†)		-	-	-	7.877	1	7.877	2.346	7	16.425	5.116	4	20.465	-	-	-	5.116	4	20.465					
c. Air National Guard CCS ^(†)		-	-	-	-	-	-	21.243	2	42.486	22.600	1	22.600	-	-	-	22.600	1	22.600					
GSELN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal: Recurring Cost		-	-	-	-	-	7.877	-	-	58.911	-	-	43.065	-	-	-	-	-	43.065					
Subtotal: Hardware - Hardware End Item Cost		-	-	-	-	-	7.877	-	-	58.911	-	-	43.065	-	-	-	-	-	43.065					
Support - Support End Item Cost																								
d. INTERIM CONTRACTOR SUPPORT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
e. MANAGEMENT SERVICES		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
d. Management Services (PMA)		-	-	-	-	-	0.164	-	-	0.528	-	-	-	-	-	-	-	-	-					
Subtotal: Support - Support End Item Cost		-	-	-	-	-	0.164	-	-	0.528	-	-	-	-	-	-	-	-	-					

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6							P-1 Line Item Number / Title: 836810 / Counterspace System						Item Number / Title [DODIC]: - / Counterspace System					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Gross/Weapon System Cost	-	-	-	-	-	8.041	-	-	59.439	-	-	43.065	-	-	-	-	-	43.065

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 6			P-1 Line Item Number / Title: 836810 / Counterspace System						Item Number / Title [DODIC]: - / Counterspace System			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Revision Now?	Date Available	RFP Issue Date
b. CCS PRE-PLANNED PRODUCT IMPROVEMENT (P3I)		2014	Harris / Melbourne, FL	Various	LAAFB, CA	Jan 2014	Apr 2014	1	7.877	N	Dec 2013	
b. CCS PRE-PLANNED PRODUCT IMPROVEMENT (P3I)		2015	Harris / Melbourne, FL	Various	LAAFB, CA	Feb 2015	Jan 2017	7	2.346	N	Jan 2015	
b. CCS PRE-PLANNED PRODUCT IMPROVEMENT (P3I)		2016	Harris / Melbourne, FL	Various	LAAFB, CA	Feb 2016	Oct 2017	4	5.116	N	Jan 2016	
c. Air National Guard CCS		2015	Harris / Melbourne, FL	Various	LAAFB, CA	Feb 2015	Jan 2017	2	21.243	N	Jan 2015	
c. Air National Guard CCS		2016	Harris / Melbourne, FL	Various	LAAFB, CA	Feb 2016	Oct 2017	1	22.600	N	Jan 2016	

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base	P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0207422F, 0207444F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	69.657	50.077	77.538	4.065	81.603	99.245	95.871	106.965	82.515	-	585.933
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	69.657	50.077	77.538	4.065	81.603	99.245	95.871	106.965	82.515	-	585.933
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	69.657	50.077	77.538	4.065	81.603	99.245	95.871	106.965	82.515	-	585.933
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The FY2016 funding request was reduced by \$14.184M to account for the availability of prior execution balances

PE 0207418F TACTICAL AIRBORNE CONTROL SYSTEM EQUIPMENT

Tactical airborne control system equipment encompasses three types of simulators that provide scenario based training for Joint Terminal Attack Controllers (JTACs), Combat Control Teams (CCTs), Tactical Air Control Party (TACPs), Air Support Operations Centers (ASOCs) and various CAS Platforms.

Joint Terminal Control Training and Rehearsal System (JTC TRS): TACP Fixed and Portable Simulators are JTC TRS. This simulator project trains personnel controlling air support for combat operations by providing both a stand-alone and Distributed Mission Operations (DMO)-capable high-fidelity JTAC, and Combat Control Team (CCT) simulation system. The JTC TRS will be able to connect to DMO networks to allow geographically separated high-fidelity close air support platforms, JTACs and CCTs to train together in a risk-free environment. The Fixed simulator enables operators to conduct Joint Close Air Support (JCAS) training/mission rehearsal using tailored, dynamic scenarios that are relevant to mission tasking. Furthermore, the simulator will be capable of providing tactical air traffic control training for CCT using tactical application of austere airbase operations. The JTAC simulators provide DMO capability to network with aircrew full mission trainers, mission training centers, and Air Support Operations Centers (ASOC). Its primary focus is to provide an air-ground virtual training environment for networked air ground training and mission rehearsal capability that will develop both JTAC and CCT skills and train aircrew to accomplish complex JCAS missions in close proximity to friendly ground forces. JTAC simulators will be fully interoperable with joint/sister Service air ground simulation using industry standards. Training with simulators has the potential to reduce civilian casualties, collateral damage and fratricide by improving coordination skills between air and ground personnel, and increasing JTAC and aircrew proficiency. The acquisition strategy for production of the fixed configuration of the JTC TRS will be executed as an evolutionary acquisition approach using incremental development. Until the production system is ready for fielding, interim simulators will be fielded to support JTAC qualification training and readiness for deployable JTACs. TACP C2 Simulator: The TACP C2 simulator is named the Joint Theater Air-Ground Simulation System (JTAGSS). The simulator is for training ASOC and Special Operations Forces (SOF) personnel to perform command and control (C2) battlestaff operations. The C2 simulator will operate in either a stand-alone mode, or connected to other DMO-capable high-fidelity simulation facilities to allow geographically-separated Theater Air Control System C2 elements, CAS platforms, and JTAC and CCT personnel to train in an integrated virtual environment. The simulator will enable operators to conduct C2 training and mission rehearsal of JCAS assets using tailored, dynamic scenarios that are relevant to current real-world mission taskings. Scenarios will cover the full range of military operations. Training with the simulator will improve mission effectiveness by reducing the risk of civilian casualties, collateral damage, and fratricide by improving C2 skills in rapidly changing and uncertain combat environments. The JTAGSS program will enable procurement of an estimated three JTAGSS for air support operations training. The acquisition strategy for the TACP C2 simulator will be to field advance technology demonstration units in two increments. Increment 1 will field initial capability to perform proof of concept and technology validation of mission simulations for all

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0207422F, 0207444F
<p>ASOC crew positions including detailed communications planning, asset deconfliction, integration of joint fires, and other critical mission areas required for integrated TACP/ASOC C2 mission success. At the completion of the technology validation, a contract will be competitively awarded to complete simulator development, deployment and integration.</p> <p>PE 0207422F Deployable C3 Systems</p> <p>THEATER-DEPLOYABLE COMMUNICATIONS (TDC) PROGRAM: TDC provides the Air Force with rapidly deployable communication infrastructure package which provides deployed users with secure and non-secure voice service, internet access, local area network, network management, information assurance, e-mail services (NIPR/SIPRNet), and intra/interbase connectivity services similar to those established on a fixed base. The TDC package uses commercial-off-the-shelf (COTS) components to support a wide scope of expeditionary missions ranging from a small C2 and airfield mission supporting 1 to 150 users and up to the stand up of an Air Expeditionary Wing supporting 3,000 users. TDC package also supports Special Missions, to include noncombatant evacuation and disaster relief efforts, US Secret Service support, and Homeland Defense Operations. TDC equipment is employed by 22 Large Communications Package missions at Combat Communication squadrons, 27 Medium Communications Package missions at Combat Communications and Global Mobility Readiness squadrons and 39 Small Communications Package missions at Air Mobility Command units and Air Control squadrons. The TDC program reached full operational capability in 2008 and is currently providing sustainment and modernization efforts to maintain full operational capability. Modernization efforts focus on addressing Diminishing Manufacturing Sources (DMS) associated with COTS components. Funding of the TDC program will procure hardware and software targeted to alleviate interoperability and software issues that arise from the constant evolution of technology. Controlled item will be funded with investment funds to purchase military communications equipment classified as critical protection items. Funding will also ensure TDC equipment maintains compliance with DOD security mandates/directives and cryptographic modernization standards. The program has three components:</p> <p>a. SPOKE SATELLITE TERMINALS: Satellite terminals provide two-way communications connectivity between expeditionary bases and reach back, through Defense Information System Agency (DISA) teleports, to the global information grid. These terminals augment limited DoD X-Band (Super High Frequency) resources by providing access to commercial satellite services. By augmenting the X- Band terminals, TDC's Spoke Satellite terminals transparently improve the expeditionary workforce's bandwidth throughput for high-speed voice, data, video, and imagery transmissions. Small aperture SATCOM terminals supporting direct internet protocol connection capable of supporting multi-commercial and military transmission bands significantly reduce airlift requirements and provides flexibility during expeditionary operations.</p> <p>b. INTEGRATED COMMUNICATIONS ACCESS PACKAGE (ICAP): ICAP provides the distributed base backbone which includes: hubs/routers, switches, multiplexers, secure/non-secure telephones, secure conferencing, cryptographic and timing equipment, and intra-base connectivity using fiber and/or point-to-point radios. ICAP packages include accessories and configuration kits to tailor the capability of voice and data modules (i.e. cards to interface to the host nation postal telegraph and telephone). ICAP packages are modular which allows assets to be deployed incrementally and provides the capability to expand the network as the base population increases.</p> <p>c. NETWORK CONTROL CENTER-DEPLOYED (NCC-D): NCC-D provides deployed network management, information protection, and network planning capabilities similar to those at fixed bases. Specific functions include data management, intrusion detection, and firewall capabilities for both the classified and unclassified networks.</p> <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), these items are 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.</p> <p>PE 0207423F JOINT TACTICAL RADIO SYSTEMS/JTRS</p> <p>The Joint Tactical Radio System (JTRS) is a family of software programmable tactical radios that provide voice, data, and video communications for military users in the air, on the ground, and at sea. Common radio architecture and programmable software waveforms will provide joint interoperability between the services. The JTRS program is built around an open system software communications architecture (SCA), a critical set of rules that make software programmable radios function properly and ensure interoperability.</p> <p>PE 0207444F TACTICAL AIR CONTROL PARTY-MOD</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base						P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0207422F, 0207444F				
<p>TACTICAL AIR CONTROL PARTY-MODERNIZATION (TACP-M): TACPs are Air Force units manned by airmen who advise Army Ground Commanders and plan, request and control air power in support of army ground maneuver operations. TACPs also coordinate, request, and control airlift support and intelligence, surveillance, and reconnaissance (ISR) support for Army combat operations, and they provide ground communications support for federal disaster response and Homeland Defense operations. TACPs deploy with their aligned Army units and operate in a variety of environments including fixed operations from tactical operations centers (TOCs), mobile operations in tactical vehicles, and dismounted (on foot) operations with Army infantry patrols. The purpose of the TACP-Modernization program is to upgrade TACP voice, data and video communications capabilities, upgrade targeting capabilities, and improve TACP battlefield awareness capabilities. These capabilities are employed at all echelons of Army organizations by: Air Support Operation Centers (ASOCs), Division TACPs, Brigade TACPs, Battalion TACPs, and Joint Terminal Attack Controllers (JTACs) deployed with Army companies or scout teams on the front lines. Improved targeting and data communications capabilities provide more accurate target coordinates, reduce close air support (CAS) response times, and reduce the probability of fratricide or collateral damage through the use of networked data communications. The TACP-M program provides and modernizes capabilities in three major areas: Operations Center Systems, Vehicle-Mounted Systems, and Close Air Support System (CASS) software. The TACP-M program also works closely with the Battlefield Airmen Office program to procure dismounted JTAC equipment. This teaming arrangement helps standardize battlefield airmen equipment, improve efficiency by consolidating acquisition efforts, and often reduces unit costs by increasing procurement quantities. Frequent TACP combat deployments sometimes lead users to change equipment procurement priorities to support urgent operational needs and respond to evolving threat environments.</p> <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), these items are 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.</p> <p>PE 0408011F SPECIAL TACTICS / COMBAT CONTROL</p> <p>BATTLEFIELD AIRMEN OPERATIONS KIT (BAO Kit): BAO Kit will deliver a System of Systems (SoS) that provides a state-of-the-art Command, Control, Communications, Computer, Intelligence, Surveillance and Reconnaissance (C4ISR) suite for Air Force Special Operations Command's (AFSOC's) battlefield airmen. This program will procure and enhance technologies for battlefield airmen combat controllers (CCT) that are inter-operable with US and coalition special operations dismounted forces. BAO Kit allows the ability to recognize, identify, range, nominate and designate targets during both day and night. BAO Kit will also significantly reduce the time required to find, fix, track, target and engage the enemy by providing highly accurate target grid coordinates in three dimensions, generating target imagery both pre- and post-strike, and transmitting target data to command and control centers. All BAO Kit systems are light, compact and portable for use by dismounted Battlefield Airmen. Modernization efforts focus on reducing the weight of the equipment carried by the dismounted operator. The core capabilities included are; but not restricted to: Human Machine Interface (HMI), Operational Control System (OCS), Line of Sight (LOS) targeting device, Non Line of Sight (XLOS) targeting device, and Machine to Machine C4ISR System. Also, items included but not limited to training, initial spares, repairs and returns, and other equipment.</p> <p>PE 0503133F: SPECIAL OPERATIONS FORCES</p> <p>Tactical communications and electrical equipment in support of special operations forces</p>										
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	61.613	47.780	70.097	-	70.097	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base					P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:				Other Related Program Elements: 0207422F, 0207444F			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AFR	Total Obligation Authority	7.634	2.138	6.286	-	6.286	-	-	-	-
	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.410	0.159	1.155	-	1.155	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	69.657	50.077	77.538	-	77.538	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base					P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0207422F, 0207444F		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Tactical Airborne Control Systems	P-5, P-5a		- / -	3 / 6.968	3 / 9.063	2 / 7.187	- / -	2 / 7.187
TDC - Integrated Communications Access Package	P-40a	A	- / -	150 / 5.307	88 / 0.152	88 / 13.622	- / -	88 / 13.622
TDC - Network Control Center - Deployed	P-40a	A	- / -	109 / 7.290	61 / 2.560	61 / 1.125	- / -	61 / 1.125
TDC - Hub and Spoke Satellite Terminals	P-40a	A	- / -	99 / -	51 / 0.151	51 / 0.115	- / -	51 / 0.115
TDC - PMA Contractor Services	P-40a	A	- / -	- / 1.203	- / 1.013	- / 1.632	- / -	- / 1.632
TDC - PMA Other Government Costs	P-40a	A	- / -	- / 0.133	- / 0.114	- / 0.268	- / -	- / 0.268
Advanced Communications Systems	P-5, P-5a		- / -	- / 11.563	- / -	1,220 / 9.933	- / -	1,220 / 9.933
Tactical Air Control Party-Mod	P-5, P-5a		- / -	911 / 22.854	1,156 / 20.504	50 / 32.449	- / -	50 / 32.449
Special Tactics / Combat Control	P-5, P-5a		- / -	- / 14.339	- / 16.520	- / 11.207	- / -	- / 11.207
Special Operations Tactical Comm Equipment	P-40a	A	- / -	- / -	- / -	- / -	- / 4.065	- / 4.065
Total Gross/Weapon System Cost			- / -	- / 69.657	- / 50.077	- / 77.538	- / 4.065	- / 81.603
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
<p>Justification: PE 0207418F TACTICAL AIRBORNE CONTROL SYSTEM EQUIPMENT:</p> <p>FY16 funding procures Tactical Air Control Party Fixed, Portable, and Command and Control C2) simulators for training special operations and conventional Joint Terminal Attack Controllers (JTAC).</p> <p>PE 0207422F DEPLOYABLE C3 SYSTEMS</p> <p>SPOKE SATELLITE TERMINALS: FY16 funding will procure information assurance driven mandated upgrades as required.</p> <p>INTEGRATED COMMUNICATIONS ACCESS PACKAGE (ICAP): FY16 funding will procure kits required to replace components that have reached end-of-life and are no longer supportable. End-of-life components may include kits and modules such as laptop kits, core/distribution kits, uninterruptible power supply kits, Red Data Module, Small Communication Package and/or components of those kits and modules that need to be modernized.</p> <p>NETWORK CONTROL CENTER-DEPLOYED (NCC-D): FY16 funding will procure software that has reached end-of-life and is no longer supportable. Includes mandated upgrades as required.</p> <p>PE 0207423F JTRS: FY16 Funds will be used to purchase 1200 Mobile User Objective System (MUOS)satellite waveform licenses and associated antennas, cables and multiplexers, as well 20 RF-7800M V255 2-channel base stations and up to 20 AN/PRC-117G manpack radios.</p> <p>PE 0207444F TACTICAL AIR CONTROL PARTY-MOD</p>								

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0207422F, 0207444F
TACTICAL AIR CONTROL PARTY-MODERNIZATION (TACP-M): The TACP-M program provides and modernizes TACP capabilities in three major areas: Operations Center Systems, Vehicle Mounted Systems and Close Air Support System (CASS) software. FY16 funding will procure the following:		
<p>a. OPERATIONAL CONTROL SYSTEM (OCS)/COMPUTERS: Ruggedized Dismounted JTAC Computer Kits and ancillary equipment required to support line-of-sight (LOS) and beyond-line-of-sight (BLOS) data communications with C2 nodes, other TACPs, and attack aircraft. The kits will also provide data link communications through the ASOC Gateway, targeting displays, maps and imagery displays, and data communications with Army C2 and Fire Support systems. The kits will improve JTAC situational awareness and their ability to respond to enemy actions during dismounted/troops-in-contact/situations by giving dismounted JTACs the ability to compose, transmit, and receive, CAS messages with minimal/heads-down time/during fire fights with enemy forces. The computers will accommodate TACP Close Air Support System (CASS) software upgrades that include Human-Machine Interface (HMI) improvements and implementation of Joint Digitally-aided Close Air Support standards published by the Joint Staff. Finally, they will provide integrated power management and cable systems to extend battery life and reduce the number of external cables that are easily damaged and present a snagging hazard during combat operations. Kit quantities procured in FY16 may change depending on final unit prices, and interim support services may be funded as part of this procurement effort.</p> <p>b. MOBILE COMMUNICATIONS SYSTEM (MCS): TACP communications systems are the primary enablers of CAS operations on the digitized battlefield. They include the ASOC data link gateway, transportable dismounted comm package (DCP) systems mounted in transit cases, mobile systems mounted in Mine-Resistant Ambush-Protected (MRAP) vehicles and Stryker Light Armored Vehicle (LAV) vehicles, and interim 2-channel voice communications packages mounted in new M1165 High Mobility Multi- Wheeled Vehicles (HMMWVs). These systems utilize SCA-compliant multi-band radios, tactical video receivers, computers, and ancillary equipment required to conduct CAS data communications. In FY16, the TACP-M program will award a contract to procure a new modular, IP-based, mobile communications system (MCS) that will provide robust 4-channel, voice, data, and video communications capabilities mounted TACP M1145 armored HMMWVs to support battlefield communications on emerging networking waveforms.</p> <p>c. TACP CLOSE AIR SUPPORT SYSTEM CASS) INTEGRATION: TACP CASS software enables digital data communications with joint C2 nodes, other TACPs, attack aircraft, and Army C2 and Fire Support systems. It includes interfaces with ASOC, TACP, and JTAC radios, targeting devices, and battlespace awareness capabilities needed to conduct plan, request, coordinate, and control CAS missions. FY16 funding will be used to provide software maintenance updates for fielded versions, provide new HMI interfaces for a dismounted version of the software, incorporate new joint Digitally-aided CAS standards, and provide contract technical and help desk support to operators employing the software.</p> <p>d. NEXT GENERATION GATEWAY: The Gateway Replacement will provide the capability to receive and transmit Link 16 and SADL networks at the division ASOC/TACP and Brigade TACP levels. The Gateway replacement will provide battle space awareness capabilities, line-of-sight, near real time data communications with aircraft for digitally-aided close air support operations. The Gateway Replacement will be a transportable system within 2 transit cases, which will include one SCA compliant radio for SATCOM or LOS peer to peer networked data communications, a small form factor link 16 radio, a power supply capable of using generator and commercial power, a computer to host TACP CASS software and the data link control software, a SADL radio, and necessary masts, antennas, and cables.</p> <p>e. INTERIM CONTRACTOR SUPPORT (ICS): The TACP-M program will also use FY16 funding to support interim contract support for equipment such as, but not limited to, the full motion video receiver and targeting devices.</p>		
PE 0408011F BATTLEFIELD AIRMEN OPERATIONS (BAO) Kit		
BATTLEFIELD AIRMEN OPERATIONS (BAO) Kit: FY16 funding in the amount of \$13.006 million will procure, test, sustain, and repair BAO Kit system of system components to optimize user information intake. Funding will be used to ensure interoperability to reduce the risk of fratricide, reduce the weight carried by individual Airmen, and reduce the time required to find, fix, track, target, and engage the enemy. The core capabilities included are but not restricted to: Human Machine Interface (HMI), Operational Control System (OCS), Line-of-Sight (LOS) targeting device, Non-Line of-Sight (XLOS) targeting device, and Machine-to-Machine C4ISR system. Also, items included but not limited to training, initial spares, repairs and returns, and other equipment.		
a. HUMAN MACHINE INTERFACE (HMI): This FY16 funding will procure HMI components that will provide integrated operator interface between all the machine components by using unified visual and auditory displays and controls, such as head-mounted displays and tactical earplug connectivity with communications. This system provides optimized user information portrayal and control of peripheral devices, to include modernization of communications, computing devices, portable electrical power generation and management, targeting and situational awareness software (machine to machine) designed to reduce risk		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0207422F, 0207444F
<p>of fratricide and reduce the time required to employ precision effects on the battlefield to single-digit minutes. Web-based Geographic Information System (GIS) management tool, used to store, display, update, and report operational information on sensitive global airfields and Assault Zones (AZ) while incorporating approval processes designed to support rapid Global Mobility missions for the USG. Talon Point consists of three main system functions: A fully relational database with associated storage, a visual GIS tool, and a management tool/web application.</p> <p>b. OPERATIONAL CONTROL SYSTEM (BAO KIT): FY16 funding will procure OCS units which is an integrated communication/display system comprised of a small wearable computer, power and data management system, including integrated cabling that can readily connect and integrate all Battlefield Airmen Operations (BAO) Kit peripherals and portable power sources. The OCS system is a light weight, modular, plate carrier adaptable, integrated, easily configurable system that provides precise Situational Awareness and the ability to perform Digitally-aided Close Air Support targeting for all Battlefield Airmen and other Special Operations Forces.</p> <p>c. LINE OF SIGHT (LOS): FY16 LOS funding will procure LOS systems. LOS integrates target designators and sensors to enhance targeting effectiveness at ranges less than 3km. The equipment provides battlefield airmen with the ability to geo-locate targets in both eye-safe and non-eye safe spectrums. The modernization of this equipment will significantly reduce the weight carried by the operator.</p> <p>Items requested in BY are identified on the following P-5 is representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p> <p>PE 0503133F: SPECIAL OPERATIONS FORCES</p> <p>FY16 OCO funding procures tactical communications and electrical equipment in support of special operations forces</p>		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7						P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment						Item Number / Title [DODIC]: - / Tactical Airborne Control Systems							
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:										
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total					
Procurement Quantity <i>(Units in Each)</i>				-		3		3		2		-		2					
Gross/Weapon System Cost <i>(\$ in Millions)</i>				-		6.968		9.063		7.187		-		7.187					
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Net Procurement (P1) <i>(\$ in Millions)</i>				-		6.968		9.063		7.187		-		7.187					
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Total Obligation Authority <i>(\$ in Millions)</i>				-		6.968		9.063		7.187		-		7.187					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>				-		2.323		3.021		3.594		-		3.594					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																			
Cost Elements		Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - 0207418F Cost																			
Recurring Cost																			
TACP Fixed Simulators - JTC TRS ^(†)		-	-	-	2.300	3	6.900	2.821	3	8.463	3.293	2	6.586	-	-	-	3.293	2	6.586
Subtotal: Recurring Cost		-	-	-	-	-	6.900	-	-	8.463	-	-	6.586	-	-	-	-	-	6.586
Subtotal: Hardware - 0207418F Cost		-	-	-	-	-	6.900	-	-	8.463	-	-	6.586	-	-	-	-	-	6.586
Support - 0207418F Cost																			
PMA - Contractor Services and other Government Costs		-	-	-	0.068	1	0.068	0.600	1	0.600	0.601	1	0.601	-	-	-	0.601	1	0.601
Subtotal: Support - 0207418F Cost		-	-	-	-	-	0.068	-	-	0.600	-	-	0.601	-	-	-	-	-	0.601
Gross/Weapon System Cost		-	-	-	2.323	3	6.968	3.021	3	9.063	3.594	2	7.187	-	-	-	3.594	2	7.187
Secondary Distribution								FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
AF		Quantity						3		3		2		-		2			
		Total Obligation Authority						6.968		9.063		7.187		-		7.187			
		Total:		Quantity				3		3		2		-		2			
		Secondary Distribution		Total Obligation Authority				6.968		9.063		7.187		-		7.187			

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7	P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment	Item Number / Title [DODIC]: - / Tactical Airborne Control Systems
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force							Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7			P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment				Item Number / Title [DODIC]: - / Tactical Airborne Control Systems				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
TACP Fixed Simulators - JTC TRS		2014	TBD / TBD	TBD	TBD	Dec 2015	Feb 2016	3	2.300	Y		
TACP Fixed Simulators - JTC TRS		2015	TBD / TBD	TBD	TBD	Dec 2015	Feb 2016	3	2.821	Y		
TACP Fixed Simulators - JTC TRS		2016	TBD / TBD	TBD	TBD	Dec 2015	Feb 2016	2	3.293	Y		

Remarks:

Program Office is releasing a Request For Proposal to procure a commercial off-the-shelf capability that meets the JTC TRS Capability Production Document requirements. Contract award is scheduled for 1 QTR/FY16 with fielding to begin in 2 QTR/FY16.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7							P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment							Aggregated Items Title: Deployable C3 Systems						
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware, Recurring																				
TDC - Integrated Communications Access Package	A		-	-	-	0.035	150	5.307	0.002	88	0.152	0.155	88	13.622	-	-	-	0.155	88	13.622
Secondary Distribution																				
AF				-	-		96	3.396		44	0.076		44	6.811		-	-		44	6.811
AFNG				-	-		50	1.769		37	0.064		37	5.727		-	-		37	5.727
AFR				-	-		4	0.142		7	0.012		7	1.084		-	-		7	1.084
TDC - Network Control Center - Deployed	A		-	-	-	0.067	109	7.290	0.042	61	2.560	0.018	61	1.125	-	-	-	0.018	61	1.125
Secondary Distribution																				
AF				-	-		64	4.280		31	1.301		31	0.572		-	-		31	0.572
AFNG				-	-		41	2.742		27	1.133		27	0.498		-	-		27	0.498
AFR				-	-		4	0.268		3	0.126		3	0.055		-	-		3	0.055
TDC - Hub and Spoke Satellite Terminals	A		-	-	-	-	99	-	0.003	51	0.151	0.002	51	0.115	-	-	-	0.002	51	0.115
Secondary Distribution																				
AF				-	-		60	-		17	0.050		17	0.038		-	-		17	0.038
AFNG				-	-		35	-		27	0.080		27	0.061		-	-		27	0.061
AFR				-	-		4	-		7	0.021		7	0.016		-	-		7	0.016
Subtotal: Hardware, Recurring			-	-	-	-	-	12.597	-	-	2.863	-	-	14.862	-	-	-	-	-	14.862
Services																				
TDC - PMA Contractor Services	A		-	-	-	-	-	1.203	-	-	1.013	-	-	1.632	-	-	-	-	-	1.632
Secondary Distribution																				
AF				-	-		-	1.203		-	1.013		-	1.632		-	-		-	1.632
TDC - PMA Other Government Costs	A		-	-	-	-	-	0.133	-	-	0.114	-	-	0.268	-	-	-	-	-	0.268
Secondary Distribution																				
AF				-	-		-	0.133		-	0.114		-	0.268		-	-		-	0.268
Subtotal: Services			-	-	-	-	-	1.336	-	-	1.127	-	-	1.900	-	-	-	-	-	1.900
Total			-	-	-	-	-	13.933	-	-	3.990	-	-	16.762	-	-	-	-	-	16.762

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7	P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment	Aggregated Items Title: Deployable C3 Systems
<p>Remarks:</p> <p>a. CONTROLLED ITEM will be funded with investment funds to purchase military communications equipment classified as critical protection items.</p> <p>b. PROGRAM MANAGEMENT ADMINISTRATION (PMA):</p> <p>PMA for TDC supports the operation of the program office in its management and oversight role, to include engineering and technical support, as well as support activities for the program.</p> <p>c. DIRECT MISSION SUPPORT (DMS):</p> <p>DMS for TDC includes all support associated with equipment installation, engineering, technical support orders, sustainment engineering, and implementation. This includes the initial bed down and operability testing, technical interchange meetings, and events associated with fielding both hardware and software products, and maintaining configuration control of fielded products.</p>		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force														Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7							P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment							Item Number / Title [DODIC]: - / Advanced Communications Systems					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total					
Procurement Quantity <i>(Units in Each)</i>				-		-		-		1,220		-		1,220					
Gross/Weapon System Cost <i>(\$ in Millions)</i>				-		11.563		-		9.933		-		9.933					
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Net Procurement (P1) <i>(\$ in Millions)</i>				-		11.563		-		9.933		-		9.933					
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Total Obligation Authority <i>(\$ in Millions)</i>				-		11.563		-		9.933		-		9.933					
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																			
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>				-		-		-		0.008		-		0.008					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																			
Cost Elements		Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
		Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>
Hardware - Hardware End Item Cost																			
Recurring Cost																			
Manpack Radio ^(†)		-	-	-	0.042	255	10.745	-	-	-	0.042	232	9.783	-	-	-	0.042	232	9.783
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	10.745	-	-	-	-	-	9.783	-	-	-	-	-	9.783
<i>Subtotal: Hardware - Hardware End Item Cost</i>		-	-	-	-	-	10.745	-	-	-	-	-	9.783	-	-	-	-	-	9.783
Support - Support End Item Cost																			
PMA Contractor Services		-	-	-	-	-	0.198	-	-	-	-	-	0.150	-	-	-	-	-	0.150
PMA Other Government Costs		-	-	-	-	-	0.620	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support End Item Cost</i>		-	-	-	-	-	0.818	-	-	-	-	-	0.150	-	-	-	-	-	0.150
Gross/Weapon System Cost		-	-	-	-	-	11.563	-	-	-	0.008	1,220	9.933	-	-	-	0.008	1,220	9.933
Remarks: a. Controlled Item will be funded with investment funds to purchase military communications equipment classified as critical protection items b. Program Management Administration (PMA):PMA supports AF JTRS program with Engineering and technical support, as well as, support activities for the program.																			
Secondary Distribution							FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
AF		Quantity					-		-		1,220		-		1,220				
		Total Obligation Authority					11.563		-		9.933		-		9.933				

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Exhibit P-5, Cost Analysis: PB 2016 Air Force				Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7		P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment		Item Number / Title [DODIC]: - / Advanced Communications Systems		
ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Total:	Quantity	-	-	1,220	-	1,220
Secondary Distribution	Total Obligation Authority	11.563	-	9.933	-	9.933

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7				P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment				Item Number / Title [DODIC]: - / Advanced Communications Systems				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Manpack Radio		2014	Harris Corporation / Rochester, NY	Various	AFLCMC Hanscom AFB	Mar 2014	Mar 2015	255	0.042	Y		
Manpack Radio		2016	TBD / TBD	TBD	TBD	Dec 2015	Mar 2016	232	0.042	Y		

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7						P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment						Item Number / Title [DODIC]: - / Tactical Air Control Party-Mod						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity (Units in Each)				-		911		1,156		50		-		50				
Gross/Weapon System Cost (\$ in Millions)				-		22.854		20.504		32.449		-		32.449				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				-		22.854		20.504		32.449		-		32.449				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				-		22.854		20.504		32.449		-		32.449				
(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 (\$ in Millions)				-		0.025		0.018		0.649		-		0.649				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		
OPERATIONAL CONTROL SYSTEM (OCS) ^(†)	-	-	-	0.015	619	9.095	0.015	311	4.621	-	-	-	-	-	-	-	-	-
Voice Communication Package Delta Kit	-	-	-	0.012	290	3.511	0.295	6	1.770	0.299	51	15.272	-	-	-	0.299	51	15.272
CASS INTEGRATION	-	-	-	5.150	1	5.150	4.257	1	4.257	7.132	1	7.132	-	-	-	7.132	1	7.132
MOBILE COMMUNICATIONS CAPABILITIES	-	-	-	0.600	1	0.600	1.778	1	1.778	-	-	-	-	-	-	-	-	-
NEXT GENERATION GATEWAY ^(†)	-	-	-	-	-	-	-	-	-	0.488	2	0.976	-	-	-	0.488	2	0.976
SOLID STATE HARD DRIVES FOR TOC LITE ^(†)	-	-	-	-	-	-	-	837	0.331	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	18.356	-	-	12.757	-	-	23.380	-	-	-	-	-	23.380
Subtotal: Hardware - Hardware End Item Cost	-	-	-	-	-	18.356	-	-	12.757	-	-	23.380	-	-	-	-	-	23.380
Hardware - 0207444F Cost																		
Non Recurring Cost																		
Mobile Communications Systems (MCS)	-	-	-	-	-	-	3.455	1	3.455	3.736	1	3.736	-	-	-	3.736	1	3.736

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Exhibit P-5, Cost Analysis: PB 2016 Air Force										Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7					P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment					Item Number / Title [DODIC]: - / Tactical Air Control Party-Mod							

ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:							
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	3.455	-	-	3.736	-	-	-	-	-	3.736
<i>Subtotal: Hardware - 0207444F Cost</i>	-	-	-	-	-	-	-	-	3.455	-	-	3.736	-	-	-	-	-	3.736
Support - 0207444F Cost																		
Operational Control System (OCS) ICS	-	-	-	-	-	-	-	-	-	0.368	1	0.368	-	-	-	0.368	1	0.368
Targeting Devices ICS	-	-	-	0.281	1	0.281	-	-	-	-	-	-	-	-	-	-	-	-
Full Motion Video Receiver ICS	-	-	-	0.066	1	0.066	0.067	1	0.067	0.068	1	0.068	-	-	-	0.068	1	0.068
Dismounted ICS	-	-	-	1.412	1	1.412	1.819	1	1.819	1.854	1	1.854	-	-	-	1.854	1	1.854
PMA Contractor Services	-	-	-	2.610	1	2.610	2.243	1	2.243	2.878	1	2.878	-	-	-	2.878	1	2.878
PMA Other Govt. Costs	-	-	-	0.129	1	0.129	0.163	1	0.163	0.165	1	0.165	-	-	-	0.165	1	0.165
<i>Subtotal: Support - 0207444F Cost</i>	-	-	-	-	-	4.498	-	-	4.292	-	-	5.333	-	-	-	-	-	5.333
Gross/Weapon System Cost	-	-	-	0.025	911	22.854	0.018	1,156	20.504	0.649	50	32.449	-	-	-	0.649	50	32.449

Remarks:

- a. Controlled Item will be funded with investment funds to purchase military communications equipment classified as critical protection items
- b. In FY15, the MCS unit cost increase is due to additional voice and data channels. MCS non-recurring costs cover the integration of COTS equipment that is going in the M-1145 HMMVs.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
AF	Quantity	756	1,078	50	-	50
	Total Obligation Authority	19.731	19.643	32.449	-	32.449
AFNG	Quantity	155	78	-	-	-
	Total Obligation Authority	3.123	0.861	-	-	-
Total: Secondary Distribution	Quantity	911	1,156	50	-	50
	Total Obligation Authority	22.854	20.504	32.449	-	32.449

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7				P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment				Item Number / Title [DODIC]: - / Tactical Air Control Party-Mod			

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
OPERATIONAL CONTROL SYSTEM (OCS)		2014	TBD / AFLCMC/WRIGHT PAT	Various	AFLCMC Wright Patterson AFB	Mar 2015	Mar 2016	619	0.015	N	Mar 2015	
OPERATIONAL CONTROL SYSTEM (OCS)		2015	TBD / AFLCMC/WRIGHT PAT	Various	AFLCMC Wright Patterson AFB	Mar 2015	Mar 2016	311	0.015	N	Mar 2015	
NEXT GENERATION GATEWAY		2016	TBD / HANSCOM AFB	TBD	AFLCMC Hanscom AFB	Oct 2015	Oct 2016	2	0.488	N	Oct 2015	
SOLID STATE HARD DRIVES FOR TOC LITE		2015	TBD / HANSCOM AFB	TBD	AFLCMC Hanscom AFB	Apr 2015	Apr 2016	837	-	N	Oct 2014	

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Exhibit P-5, Cost Analysis: PB 2016 Air Force											Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7						P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment						Item Number / Title [DODIC]: - / Special Tactics / Combat Control							
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total					
Procurement Quantity <i>(Units in Each)</i>				-		-		-		-		-		-					
Gross/Weapon System Cost <i>(\$ in Millions)</i>				-		14.339		16.520		11.207		-		11.207					
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Net Procurement (P1) <i>(\$ in Millions)</i>				-		14.339		16.520		11.207		-		11.207					
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Total Obligation Authority <i>(\$ in Millions)</i>				-		14.339		16.520		11.207		-		11.207					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																			
Cost Elements		Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																			
Recurring Cost																			
HUMAN MACHINE INTERFACE ^(†)		-	-	-	7.166	1	7.166	0.004	1,720	7.217	0.004	1,167	4.896	-	-	-	0.004	1,167	4.896
OPERATIONAL CONTROL SYSTEM (BAO KIT) ^(†)		-	-	-	5.082	1	5.082	0.058	112	6.451	0.058	76	4.404	-	-	-	0.058	76	4.404
LINE OF SIGHT ^(†)		-	-	-	-	-	-	0.200	12	2.400	0.200	8	1.600	-	-	-	0.200	8	1.600
Subtotal: Recurring Cost		-	-	-	-	-	12.248	-	-	16.068	-	-	10.900	-	-	-	-	-	10.900
Subtotal: Hardware - Hardware End Item Cost		-	-	-	-	-	12.248	-	-	16.068	-	-	10.900	-	-	-	-	-	10.900
Support - Support End Item Cost																			
PMA CONTRACTOR SERVICES ^(†)		-	-	-	1.852	1	1.852	0.207	1	0.207	0.141	1	0.141	-	-	-	0.141	1	0.141
PMA OTHER GOVERNMENT COSTS		-	-	-	0.239	1	0.239	0.245	1	0.245	0.166	1	0.166	-	-	-	0.166	1	0.166
Subtotal: Support - Support End Item Cost		-	-	-	-	-	2.091	-	-	0.452	-	-	0.307	-	-	-	-	-	0.307
Gross/Weapon System Cost		-	-	-	-	-	14.339	-	-	16.520	-	-	11.207	-	-	-	-	-	11.207
Remarks:																			
a. Controlled Item will be funded with investment funds to purchase military communications equipment classified as critical protection items																			
b. Program Management Administration (PMA): Cost support management with engineering and technical implementation. PMA supports Program TDC with Engineering, and technical support activities.																			

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Exhibit P-5, Cost Analysis: PB 2016 Air Force				Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7		P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment			Item Number / Title [DODIC]: - / Special Tactics / Combat Control	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:		
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	14.339	16.520	11.207	-	11.207
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	14.339	16.520	11.207	-	11.207

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7				P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment				Item Number / Title [DODIC]: - / Special Tactics / Combat Control			

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
HUMAN MACHINE INTERFACE		2014	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Sep 2014	Dec 2014	1	7.166	Y		
HUMAN MACHINE INTERFACE		2015	Mutiple / Multiple	Various	AFLCMC Wright Patterson AFB	Feb 2015	May 2015	1,720	0.004	Y		
HUMAN MACHINE INTERFACE		2016	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Oct 2015	Jan 2016	1,167	0.004	Y		
OPERATIONAL CONTROL SYSTEM (BAO KIT)		2014	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Sep 2014	Nov 2014	1	5.082	Y		
OPERATIONAL CONTROL SYSTEM (BAO KIT)		2015	TBD / TBD	TBD	AFLCMC Wright Patterson AFB	Mar 2015	Mar 2016	112	0.058	N	Feb 2015	
OPERATIONAL CONTROL SYSTEM (BAO KIT)		2016	TBD / TBD	TBD	AFLCMC Wright Patterson AFB	Mar 2015	Mar 2016	76	0.058	N	Feb 2015	
LINE OF SIGHT		2015	ARGON ST, INC / FL	C / FPIF	AFLCMC Wright Patterson AFB	Apr 2015	Jul 2015	12	0.200	Y		
LINE OF SIGHT		2016	ARGON ST, INC / FL	C / FPIF	AFLCMC Wright Patterson AFB	Apr 2016	Jul 2016	8	0.200	Y		
PMA CONTRACTOR SERVICES		2014	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Oct 2013	Mar 2014	1	1.852	Y		
PMA CONTRACTOR SERVICES		2015	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Oct 2014	Mar 2015	1	0.207	Y		
PMA CONTRACTOR SERVICES		2016	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Oct 2015	Mar 2016	1	0.141	Y		

Remarks:

1. FY15 OCS Source Selection ongoing. ETA Mar 2015.
2. PMA Contractor Service include Travel. A&AS contract with SUMARIA INC, Danvers, MA; C/FFP. POP Mar of current FY thru Feb next FY.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7								P-1 Line Item Number / Title: 837100 / Tactical C-E Equipment							Aggregated Items Title: Combat Rescue - Pararescue (AFR)				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total						
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)				
Uncategorized																								
Special Operations Tactical Comm Equipment	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.065	-	-	4.065				
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.065	-	-	4.065				
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.065	-	-	4.065				

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base							P-1 Line Item Number / Title: 837170 / Combat Survivor Evader Locator					
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items: 0305176F					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	8.428	-	-	-	-	-	-	-	-	-	8.428
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	8.428	-	-	-	-	-	-	-	-	-	8.428
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	8.428	-	-	-	-	-	-	-	-	-	8.428
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Combat Survivor Evader Locator (CSEL) joint program replaces antiquated PRC-90 and PRC-112 survival radios with a modern survival radio system utilizing Selective Availability Anti-Spoofing Module (SAASM) Global Positioning System (GPS), Ultra High Frequency (UHF) satellite communications, and the Integrated Broadcast Service (IBS) to quickly locate, authenticate, and communicate with isolated personnel. The Air Force is the lead service and Air Combat Command is the lead command. The CSEL system is used by all the services and, potentially, non-DoD government agencies. Full-rate production of CSEL radios began in 2005. Ultimately the Air Force, Army, and Navy will procure approximately 62,000 CSEL radios, of which approximately 23,000 are for the Air Force. CSEL procurement eliminates the reliance of aircrews, recovery forces, and isolated personnel on Vietnam-era survival radio technology and improves survivability of these forces during combat missions.

The CSEL radio system is comprised of three components: (1) a user segment consisting of a new multifunction, software reprogrammable handheld radio that incorporates military SAASM enabled GPS accuracy and security features, (2) a satellite communications segment incorporating four UHF Base Stations (UBS) co-located with military communications sites to support secure two-way over-the-horizon data messaging, and (3) a ground segment featuring a rescue center workstation and application software to enable routing of messages and two-way communication to/from isolated personnel. CSEL radio refers to the handheld radio only.

CSEL ANCILLARY EQUIPMENT: Includes Radio Set Adapters (RSA), mission planning software, rechargeable and non-rechargeable batteries, battery chargers, charger adapters, battery discharge devices, training aids, radio repair kits, CSEL Planning Computer, RSA repair kits, Radio modification kits and UBS equipment.

PRODUCTION ENGINEERING: Includes planning, directing, and controlling of the definition and production of CSEL radios inclusive of spares, incorporation of upgrade modifications, ancillary equipment, program office support, and other production-related activities.

DIRECT MISSION SUPPORT: Includes equipment installation and data development associated with CSEL, including engineering data, management data, support data, and data repository.

Funding for this effort is in program element 0305176F.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base				P-1 Line Item Number / Title: 837170 / Combat Survivor Evader Locator				
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items: 0305176F			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Combat Survivor Evader Locator	P-5		- / -	- / 8.428	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / -	- / 8.428	- / -	- / -	- / -	- / -
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</small>								

Justification:
No FY16 funding requested.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7						P-1 Line Item Number / Title: 837170 / Combat Survivor Evader Locator												Item Number / Title [DODIC]: - / Combat Survivor Evader Locator						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:														
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total										
Procurement Quantity <i>(Units in Each)</i>				-		-		-		-		-		-										
Gross/Weapon System Cost <i>(\$ in Millions)</i>				-		8.428		-		-		-		-										
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-										
Net Procurement (P1) <i>(\$ in Millions)</i>				-		8.428		-		-		-		-										
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-										
Total Obligation Authority <i>(\$ in Millions)</i>				-		8.428		-		-		-		-										
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																								
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-										
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>				-		-		-		-		-		-										
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																								
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total								
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)						
Hardware - Hardware End Item Cost																								
Recurring Cost																								
CSEL RADIO - AD	-	-	-	0.008	308	2.541	-	-	-	-	-	-	-	-	-	-	-	-						
RECHARGEABLE BATTERIES	-	-	-	-	608	0.144	-	-	-	-	-	-	-	-	-	-	-	-						
RADIO REPAIR KITS	-	-	-	-	308	0.077	-	-	-	-	-	-	-	-	-	-	-	-						
PRIME BATTERY	-	-	-	-	304	0.067	-	-	-	-	-	-	-	-	-	-	-	-						
RADIO SET ADAPTER (RSA)	-	-	-	0.004	21	0.081	-	-	-	-	-	-	-	-	-	-	-	-						
RADIO SET ADAPTER (RSA) REPAIR KITS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
RECHARGEABLE BATTERY ADAPTER	-	-	-	-	308	0.046	-	-	-	-	-	-	-	-	-	-	-	-						
CSEL PLANNING COMPUTERS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Radio Modification Kits	-	-	-	0.003	1,511	5.020	-	-	-	-	-	-	-	-	-	-	-	-						
Subtotal: Recurring Cost	-	-	-	-	-	7.976	-	-	-	-	-	-	-	-	-	-	-	-						
Subtotal: Hardware - Hardware End Item Cost	-	-	-	-	-	7.976	-	-	-	-	-	-	-	-	-	-	-	-						
Support - Support End Item Cost																								
Production Engineering	-	-	-	-	-	0.318	-	-	-	-	-	-	-	-	-	-	-	-						
Direct Mission Support	-	-	-	-	-	0.093	-	-	-	-	-	-	-	-	-	-	-	-						
Program Management Administration	-	-	-	-	-	0.041	-	-	-	-	-	-	-	-	-	-	-	-						

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Exhibit P-5, Cost Analysis: PB 2016 Air Force														Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7							P-1 Line Item Number / Title: 837170 / Combat Survivor Evader Locator							Item Number / Title [DODIC]: - / Combat Survivor Evader Locator				
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	0.452	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	8.428	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: (1) Ancillary equipment includes, but is not limited to, varying quantities of radio set adapters (RSA), mission planning software, rechargeable and non-rechargeable batteries, battery chargers, charger adapters, battery discharge devices, training aids, radio repair kits, RSA repair kits, and UBS equipment. Costs per fiscal year are contingent upon total quantity purchased. (2) Includes secret internet protocol router network, electronic proving ground, joint interoperability test command, Joint Personnel Recovery Agency, UBS support and other government and contractor travel/ support.																		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base							P-1 Line Item Number / Title: 837190 / Radio Equipment					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	12.341	14.846	8.400	-	8.400	16.401	15.705	14.098	14.348	-	96.139
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	12.341	14.846	8.400	-	8.400	16.401	15.705	14.098	14.348	-	96.139
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	12.341	14.846	8.400	-	8.400	16.401	15.705	14.098	14.348	-	96.139
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>This program procures and integrates SCOPE Command High Frequency (HF) radio equipment, network infrastructure, and transmit/receive antennas for 13 strategically located ground stations worldwide. The need for modern, robust, and dependable stations with beyond line of sight radio coverage has been identified to ensure HF radio communications is available in additional areas of interest to the United States.</p> <p>The FY2016 funding request was reduced by \$4.677M to account for the availability of prior execution balances</p> <p>High Frequency Global Communications System (HFGCS) is the only global high-power HF C2 network serving the Department of Defense (DoD). HFGCS consists of the two major components: the radio/ network infrastructure (SCOPE Command) and the antennas (Antenna Program Support) which communicate with mobile assets (aircraft, Navy ships, Coast Guard ships). HFGCS supports aircrews, ground forces, naval operations, and control stations and is the primary C2 resource for Air Mobility Command cargo and tanker aircraft. Additional customers include White House Communications Agency (WHCA), Defense Communications System HF Entry, US Navy High Command Network, and other US government agencies. HFGCS supports war plan dissemination and daily operational requirements for WHCA, Joint Chiefs of Staff (JCS), US Strategic Command, National Military Command Center's Emergency Action Message distribution, Special Air Mission communications, Major Air Force Commands and Combatant Commanders. HFGCS provides radio connectivity to other governmental organizations such as the Civil Air Patrol, Federal Emergency Management Agency, Transportation Security Administration, and the State Department. The HFGCS network supports the Overseas Contingency Operations by providing secure, robust, physically diverse terrestrial and airborne transmission paths providing information services between fixed and deployed operating locations.</p> <p>The HFGCS program has recently completed the Alternate Network Control Station at Grand Forks AFB, ND, eliminating a major single point of failure of the HFGCS network. Additionally, the program has modernized the system consoles to provide increased system security and operations capabilities and has installed additional radios at HFGCS stations to consolidate with US Navy operations, allowing the Navy to close obsolete HF stations. FY16 funds Direct Mission Support/Program Management Administration (DMS/PMA), System Engineering, JITC Installation Testing and Shipping costs for these procurement efforts.</p> <p>Funding for this effort is in program element 0303133F.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base				P-1 Line Item Number / Title: 837190 / Radio Equipment				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Radio Equipment	P-5, P-5a		- / -	- / 12.341	- / 14.846	- / 8.400	- / -	- / 8.400
Total Gross/Weapon System Cost			- / -	- / 12.341	- / 14.846	- / 8.400	- / -	- / 8.400
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:

The HFGCS FY16 program supports two main projects within the SCOPE Command Radio/Network Infrastructure Modernization and Antenna Replacement programs:

1. SCOPE Command Radio/Network Infrastructure Modernization continues the integration of new radio and console capabilities into the HFGCS network. The current projects improve the system security and network management, as well as maintain interoperability and compatibility with the Global Information Grid (GIG) and the Defense Information System Network (DISN). FY16 funds Direct Mission Support/ Program Management Administration (DMS/PMA), System Engineering, JITC Installation Testing and Shipping costs for these procurement efforts.

A. HIGH FREQUENCY GLOBAL NEXT GENERATION CONSOLE (HFG NGC) Modification: FY16 continues the HFG NGC Modification by funding the installation of Increment 3, Software Tools. NGC Software Tools production effort was funded in FY14. The Software Tools increment provides a system status tool to graphically represent the status of the stations and equipment, enhance radio and maintenance functions, and simplify user interface.

B. DEFENSE INFORMATION SYSTEMS AGENCY (DISA) UNIFIED CAPABILITIES (UC) Modification: FY16 continues the modernization of the HFGCS network from an analog based to internet protocol (IP) based network. HFGCS must upgrade their circuit interfaces to be compatible with DISA architecture evolution as identified in the DISN Technical Evolution Plan dated 25 May 2010 and the DISN Overarching Technical Strategy 2011 dated 31 Aug 2011. UC will migrate the HFGCS network away from Legacy interfaces and aligns HFGCS with the DISA vision.

2. HIGH FREQUENCY GLOBAL ANTENNA REPLACEMENT: A majority of the HFGCS system antennas have been in operation for 25 to 40 years and have been subjected to degradation due to exposure to severe environmental conditions, salt water, and hurricane force winds. FY16 funds continue the replacement of critical antennas at multiple HFGCS sites; actual locations and antenna selections will be based on technical assessment of the antenna condition and the operational requirements of the weapon system during execution. Potential replacements have been identified at Joint Base Andrews, West Coast, Guam, Ascension, Croughton, Lajes, Sigonella, Diego Garcia, Elmendorf, Offutt, Yokota, and Hawaii.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7						P-1 Line Item Number / Title: 837190 / Radio Equipment						Item Number / Title [DODIC]: - / Radio Equipment						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity <i>(Units in Each)</i>				-		-		-		-		-		-				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				-		12.341		14.846		8.400		-		8.400				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P1) <i>(\$ in Millions)</i>				-		12.341		14.846		8.400		-		8.400				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				-		12.341		14.846		8.400		-		8.400				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		
SCOPE Command-NextGen Console Framework/Unified Capabilities ^(†)	-	-	-	2.886	3	8.658	2.261	2	4.521	1.083	2	2.165	-	-	-	1.083	2	2.165
HFGCS Station Antenna Replacements ^(†)	-	-	-	1.046	3	3.137	1.084	9	9.755	1.107	5	5.533	-	-	-	1.107	5	5.533
Subtotal: Recurring Cost	-	-	-	-	-	11.795	-	-	14.276	-	-	7.698	-	-	-	-	-	7.698
Subtotal: Hardware - Hardware End Item Cost	-	-	-	-	-	11.795	-	-	14.276	-	-	7.698	-	-	-	-	-	7.698
Command and Launch - CommandAndLaunch End Item Cost																		
Direct Mission Support (DMS) [Systems Engineering, Testing, Shipping]	-	-	-	-	-	0.230	-	-	0.300	-	-	0.372	-	-	-	-	-	0.372
PMA Contractor Services	-	-	-	-	-	0.247	-	-	0.200	-	-	0.245	-	-	-	-	-	0.245
PMA Other Government Costs	-	-	-	-	-	0.069	-	-	0.070	-	-	0.085	-	-	-	-	-	0.085
Subtotal: Command and Launch - CommandAndLaunch End Item Cost	-	-	-	-	-	0.546	-	-	0.570	-	-	0.702	-	-	-	-	-	0.702
Gross/Weapon System Cost	-	-	-	-	-	12.341	-	-	14.846	-	-	8.400	-	-	-	-	-	8.400

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Exhibit P-5, Cost Analysis: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7	P-1 Line Item Number / Title: 837190 / Radio Equipment	Item Number / Title [DODIC]: - / Radio Equipment
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
<p>Remarks: Controlled Item will be funded with investment funds to purchase military communications equipment classified as critical protection items.</p> <p>Each site has unique site installation requirements (i.e. terrain, weather, environmental laws, international/NATO coordination). Locations range from Diego Garcia, Ascension Island, Lajes, and Guam (mid-ocean locations, volcanic terrain and weather issues); Maryland and California (environmental laws); Yokota, Croughton, and Sigonella (international/NATO coordination). As such, unit cost varies from year to year.</p> <p>(t) indicates the presence of a P-5a</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base							P-1 Line Item Number / Title: 837240 / CCTV/Audiovisual Equipment					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	7.949	3.635	6.144	-	6.144	7.520	5.469	5.015	5.104	-	40.836
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	7.949	3.635	6.144	-	6.144	7.520	5.469	5.015	5.104	-	40.836
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	7.949	3.635	6.144	-	6.144	7.520	5.469	5.015	5.104	-	40.836
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Description: PE 0102890F VISUAL INFORMATION ACTIVITIES - STRATEGIC												
Imagery Acquisition and Audiovisual (AV) systems and their products are used throughout the Air Force to inform and train warfighters and to document combat operations and other events of historical significance. Combat video documentation is used for operational reporting and analysis, situational awareness, battle damage assessment, intelligence and operational analysis, casualty identification, and the historical record. In addition, video and multimedia based products are developed for warfighter operations, readiness training, medical videography, public and internal information, testing and evaluation, and corporate communications. Commanders recognize that imagery quickly conveys very accurate and unbiased information, and are requiring greater amounts of video imagery to help meet the challenges of a very active warfighting force. The Air Force is meeting this challenge by dedicating funding to procure and sustain this important capability by replacing older video studio systems with newer and more capable equipment and systems for both Air Force video production and combat/contingency documentation teams. Imagery acquisition systems are centrally managed to establish and maintain standardization of systems, as well as to ensure full interoperability with all other electronic image acquisition, transmission system formats, and presentation systems used in the Air Force.												
PE 0305550F IT SERVICES MANAGEMENT - OTHER												
WESTERN TEST RANGE DIGITAL IMAGING SYSTEMS: This program replaces obsolete, 35 year-old high-speed engineering film cameras with high-speed digital imaging systems. This capital equipment replacement procures items to maintain current capability. These cameras are mounted on mobile optical tracking systems and on camera towers next to the launch pad to provide detailed slow motion photography of the launch events. The cameras support satellite, ballistic, missile defense, and aeronautical missions on the Western Test Range and at Kodiak Island, Alaska. The optical data acquired by these engineering camera systems is a vital part of post flight performance analysis of all space and ballistic launch operations and is critical for Test and Evaluation programs now being conducted by the Missile Defense Agency (MDA) at Vandenberg AFB. Optical tracking provides detailed engineering sequential photography for anomaly resolution and accident reconstruction at distances up to 60 kilometers, and is required for all current and future MDA tests and Delta IV, Atlas IV, Delta II, Peacekeeper, Minuteman, Airborne Laser, Kinetic Kill Vehicle, and commercial space launches. These digital systems replace film camera systems that are no longer logistically supportable.												
The FY2016 funding request was reduced by \$1.400M to account for the availability of prior execution balances												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		P-1 Line Item Number / Title: 837240 / CCTV/Audiovisual Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base					P-1 Line Item Number / Title: 837240 / CCTV/Audiovisual Equipment			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
CCTV/AUDIO VISUAL EQUIPMENT - AB1000	P-40a	A	- / 0.000	- / 1.940	- / 0.679	- / 0.534	- / -	- / 0.534
CCTV/AUDIO VISUAL EQUIPMENT - AB2000 COMCAM	P-40a	A	- / 0.000	- / 2.486	- / 1.311	- / 2.466	- / -	- / 2.466
CCTV/AUDIO VISUAL EQUIPMENT - AB2000 WESTERN TEST RANGE	P-40a	A	- / -	- / -	- / -	- / 3.144	- / -	- / 3.144
Western Test Range Digital Imaging Systems Equipment	P-40a	A	- / -	1 / 3.523	1 / 1.645	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / -	- / 7.949	- / 3.635	- / 6.144	- / -	- / 6.144
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
<p>Justification: PE 0102890F VISUAL INFORMATION ACTIVITIES - STRATEGIC</p> <p>FY16 Funds procure items to meet AF mandates from CJCSI 3205.01C, DODI 5040.02, and AFI 35-109. These policy documents exist to ensure DoD and AF compliance with public laws: 36 CFR 1237/1220 and Title 44 Chapters 3301/3101. These funds are used for audio/visual equipment funding at the only three AF active duty COMCAM squadrons, which provide lobal/deployable rapid response during wartime operations, worldwide crises, contingencies, joint exercises, and humanitarian operations. Additionally, these funds procure audio/visual equipment supporting AF-wide(garrison and deployed) needs for photo, graphics and video products that aid public diplomacy, internal/external communication, information operations, operational/planning efforts, and effective/efficient training.</p> <p>PE 0305550F IT SERVICES MANAGEMENT - OTHER</p> <p>WESTERN TEST RANGE DIGITAL IMAGING SYSTEMS: No FY16 funding requested.</p>								

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7								P-1 Line Item Number / Title: 837240 / CCTV/Audiovisual Equipment							Aggregated Items Title: Visual Information Activities - Strategic				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
CCTV/AUDIO VISUAL EQUIPMENT - AB1000	A		-	-	0.000	-	-	1.940	-	-	0.679	-	-	0.534	-	-	-	-	-	0.534
CCTV/AUDIO VISUAL EQUIPMENT - AB2000 COMCAM	A		-	-	0.000	-	-	2.486	-	-	1.311	-	-	2.466	-	-	-	-	-	2.466
CCTV/AUDIO VISUAL EQUIPMENT - AB2000 WESTERN TEST RANGE	A		-	-	-	-	-	-	-	-	-	-	-	3.144	-	-	-	-	-	3.144
Subtotal: Uncategorized			-	-	0.000	-	-	4.426	-	-	1.990	-	-	6.144	-	-	-	-	-	6.144
Total			-	-	0.000	-	-	4.426	-	-	1.990	-	-	6.144	-	-	-	-	-	6.144

Remarks:

The rise in funding from FY15 to FY16 is due to a ZBR where funding from PE 0305550F is moving to PE 0102890F. The consolidation of funding allows for centralized management of the program to provide technical refresh of the A/V equipment used for photo/video documentation of Air Force activities as required by CJCSI 3205.01C, DODI 5040.02, and AFI 35-109 to ensure DoD and AF compliance with public laws: 36 CFR 1237/1220 and Title 44 Chapters 3301/3101.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7							P-1 Line Item Number / Title: 837240 / CCTV/Audiovisual Equipment								Aggregated Items Title: Information Technology Services Management - Other				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Western Test Range Digital Imaging Systems Equipment	A		-	-	-	3.523	1	3.523	1.645	1	1.645	-	-	-	-	-	-	-	-	-
Subtotal: Uncategorized			-	-	-	-	-	3.523	-	-	1.645	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	3.523	-	-	1.645	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base							P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	63.118	91.489	77.010	15.400	92.410	105.402	46.306	42.056	42.799	-	483.580
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	63.118	91.489	77.010	15.400	92.410	105.402	46.306	42.056	42.799	-	483.580
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	63.118	91.489	77.010	15.400	92.410	105.402	46.306	42.056	42.799	-	483.580
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>The Base Communications Infrastructure (BCI) program enables timely and assured delivery of data and voice communications supporting a wide range of Air Force organizations and decision makers. This program provides Air Force (AF) Major Commands (MAJCOMs), the Air Reserve Component (ARC), including the Air National Guard (ANG) and the Air Force Reserve (AFR), with effective Command and Control (C2) of information systems by procuring robust base communications infrastructure that every worker, office, and organization depends on to perform their mission. BCI supports upward-generated communications requirements from the MAJCOM and ARC respective bases. BCI funding supports life cycle management of network servers, routers, ductwork, cables, Local Area Networks (LANs), voice and data switches, Land Mobile Radio (LMR) systems, and end building node hardware in order to maintain consistent, compatible, and interoperable infrastructure and architecture. MAJCOM and ARC bases require their own communications infrastructure funds to tailor the base communications environment to specific operational missions supported by the base. Funds are also needed at MAJCOM and base level to provide communications infrastructure to meet evolving mission requirements, support military construction projects and handle the multitude of smaller, individual communications, computer, air traffic control and weather instrumentation connectivity needs, and CONUS/OCONUS postal operations support. The ANG funds their entire base communications procurement requirement within the BCI program line. While BCI funds upward-generated requirements, AF-wide downward-directed efforts which provide base-wide fiber optic networks, support enterprise network management systems, and procure digital voice/data/video systems are funded under the "Base Information Transport Infrastructure" and "Air Force Network" budget lines.</p> <p>The FY2016 funding request was reduced by \$12.582M to account for the availability of prior execution balances</p> <p>FY2015 funding totals include \$1.970M appropriated for Overseas Contingency Operations</p> <p>PE 0101323F MINUTEMAN COMMUNICATIONS</p> <p>Minuteman Communications Infrastructure: This equipment supports the Minuteman Minimum Essential Communication Network (MEECN) Program (MMP) with Very Low Frequency (VLF) cable infrastructure. The underground cables at Intercontinental Ballistic Missile (ICBM) Launch Control Centers (LCCs) are aging and require replacement. All cables available for salvage have been harvested and the stockpile has been depleted. This program supports the nuclear mission by providing an adequate bench stock to ensure a survivable nuclear communications path from the POTUS/SecDef to ICBM forces in the field. This is an FY16 new start.</p> <p>PE 0207138F F-22A SQUADRONS</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>F-22 Deployable Debrief Facility (DDF) Communications Equipment: DDFs are an essential part of F-22 deployments. F-22 units procured by Air Combat Command (ACC) require secure, mobile communications facilities for conducting special access work away from home station. DDF communications equipment support F-22 mission planning and debriefing for both operations and maintenance personnel. DDFs support the special access workload of the F-22s. 1st and 2nd Generation DDFs are wearing out from nearly continuous deployments over the last nine years. This is a continuing requirement and was previously justified in the FY15 PB BCI exhibit under Program Justification, PE 0207138. This is not a New Start.</p> <p>PE 0207425F AF NETWORK OPERATIONS AND COMMAND COMMUNICATIONS</p> <p>AF Network Operations (AFNETOPS): AFNETOPS with Air Force Space Command (AFSPC) oversight provides the AF with operations and security functions, central management of core Information Technology (IT) services, enterprise trouble desk support, and network control. This is a continuing requirement and was previously justified in the FY15 PB BCI exhibit under Program Justification, PE 0101323F. This is not a New Start.</p> <p>PE 0207436F ENGINEERING AND INSTALLATION (E&I) SUPPORT</p> <p>AFSPC Lead Command Base Communications Infrastructure: HQ USAF PAD 07-08 (C-3) designated AFSPC as "the lead AF MAJCOM responsible for organizing, training and equipping, Air Forces capable of conducting prompt and sustained cyberspace operations." E&I supports enterprise network capability and life cycle replacement of common user communications systems, AF Network Defensive capabilities, as well as Installation Emergency Management (IEM) infrastructure. E&I funds support communications availability and reliability, providing consistent, compatible, and interoperable capability through advanced technology and architecture. Installations include network communications infrastructure, fiber optic and copper cabling, and associated manhole duct systems for cable projects. This is a continuing requirement and was previously justified in the FY15 PB BCI exhibit under Program Justification, PE 0207436F. This is not a New Start.</p> <p>PE 0208028F, CONTINGENCY OPERATIONS</p> <p>UNITED STATES AIR FORCE EUROPE (USAFE) AND AIR FORCES AFRICA (AFAFRICA) Contingency Operations Infrastructure Equipment: Contingency Operations equipment provides the integrated capability needed to establish and maintain air base readiness during contingencies. Infrastructure equipment will enable integration and coordination of those unit operations that interact during a contingency to establish, maintain or restore the installation's capability to execute its assigned mission. This is an FY16 New Start.</p> <p>PE 0208059F, CYBER COMMAND ACTIVITES</p> <p>USCYBERCOM Communications Infrastructure: USCYBERCOM responsibilities include planning and coordinating Computer Network Operations (CNO) capabilities; operational and tactical level planning and day-to-day employment of assigned and attached Offensive Cyber Operations (OCO) forces; and planning and coordination of cyber capabilities that have trans-regional effects or that directly support national objectives; and providing OCO/DCO support for assigned missions. Base communications infrastructure (e.g., servers, routers, Local Area Networks (LANs), End Building Node (EBN) hardware) supports ongoing USCYBERCOM activities. This is an FY16 new start.</p> <p>PE 0208550F IT SERVICES MANAGEMENT, TACTICAL AIR FORCES</p> <p>a. AIR FORCE SPECIAL OPERATIONS COMMAND (AFSOC) Base Communications Infrastructure Equipment: This equipment supports more than 18,000 AFSOC active-duty, Air Force Reserve, Air National Guard and civilian personnel and allow AFSOC to meet the mission of presenting combat ready forces to conduct and support global special operations missions. This is a continuing requirement and was previously justified in the FY15 PB BCI exhibit under Program Justification, PE 0208550F, Section a. This is not a New Start.</p> <p>b. PACIFIC AIR FORCES (PACAF) Base Communications Infrastructure Equipment: PACAF network equipment and life cycle replacement of base information technology systems supports base operations, command-wide connectivity, and transformation efforts. The large geographic separation throughout PACAF significantly raises the importance of a robust communications infrastructure to ensure war fighter access to secure voice, data, and video systems. This is a continuing requirement and was previously justified in the FY15 PB BCI exhibit under Program Justification, PE 0208550F, Section b. This is not a New Start. CY funding totals include \$1.970M for Overseas Contingency Operations (OCO).</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
c. ACC Base Communications Infrastructure Equipment: ACC base communications funds support life cycle management of network servers, routers, ductwork, cables, LANs, voice and data switches, LMR systems, and end building node hardware. This infrastructure meets the requirements of ACC's 134,000 active-duty, Air Force Reserve, Air National Guard and civilian personnel at 13 major bases and 7 associated units throughout the United States. This is a continuing requirement and was previously justified in the FY15 PB BCI exhibit under Program Justification, PE 0208550F, Section c. This is not a New Start.		
d. UNITED STATES AIR FORCE EUROPE (USAFE) AND AIR FORCES AFRICA (AFARICA) Base Communications Infrastructure Equipment: USAFE-AFAFRICA base communications funding supports the acquisition, and installation of base network infrastructures, especially C2 communications, located at USAFE-AFARICA Main Operating Bases (MOBs) and Geographically Separated Units (GSUs) consisting of a HQ, one numbered Air Force, seven MOBs and 137 GSUs. Specific critical base communications infrastructure provide support for Headquarters, Warfighting Numbered Air Force and Operational wings, flight support, emergency actions, and intelligence operations. This is a continuing requirement and was previously justified in the FY15 PB BCI exhibit under Program Justification, PE 0208550F, Section d. This is not a New Start.		
PE 0303126F LONG HAUL COMMUNICATIONS		
USAFE Technical Control Facility Program Equipment: This USAFE program replaces circuit distribution systems in technical control facilities and throughout base communications infrastructure. This capability addresses USAFE distribution of circuits from the long haul point of presence to the on base circuit termination point. Distribution equipment using copper cable is being replaced by fiber optic equipment to meet specifications required to connect Defense Information Systems Agency (DISA) long haul circuit equipment to base facilities. This is a continuing requirement and was previously justified in the FY15 PB BCI exhibit under Program Justification, PE 0303126F. This is not a New Start.		
PE 0305155F THEATER NUCLEAR WEAPON STORAGE AND SECURITY SYSTEM		
Theater Nuclear Weapon Storage and Security System (WS3) Communications Infrastructure Equipment: Funds support the procurement of communications equipment and buried cable and alarm equipment. These efforts directly impact sustainment efforts and crypto upgrades for the aging WS3 system installed at multiple nuclear capable sites. This is an FY16 new start.		
PE 0305550F IT SERVICES MANAGEMENT, OTHER		
a. AIR FORCE DISTRICT OF WASHINGTON (AFDW) Base Communications Network Equipment: Funds support the procurement of network infrastructure replacements, and support of AFDW's classified and unclassified networks. These efforts directly impact accomplishment of the AF mission at all levels such as strategic decision making, execution of operations, and support to US senior leadership including the POTUS, SECDEF, CJCS, and the CSAF. This is a continuing requirement and was previously justified in the FY15 PB BCI exhibit under Program Justification, PE 0305550F, Section a. This is not a New Start.		
b. AFSPC Base Communications Infrastructure Equipment: Procurements ensure base-level network access for more than 40,000 AFSPC professionals including military, civilians and contractors. Funding supports base operations by providing required AFSPC-wide hardware and software purchases, ensuring the deployment of consistent, compatible, and interoperable communications technology. This is a continuing requirement and was previously justified in the FY15 PB BCI exhibit under Program Justification, PE 0305550F, Section b. This is not a New Start.		
PE 0408550F IT SERVICES MANAGEMENT, MOBILITY		
a. Air Mobility Command (AMC) Base Communications Infrastructure Equipment: Funds support the procurement of network infrastructure replacements in support of mobility operations. This is a continuing requirement and was previously justified in the FY14 PB BCI exhibit under Program Justification, PE 0408550F, Section a. This is not a New Start.		
b. AFDW Base Communications Infrastructure Equipment: Funds support network infrastructure replacements and AFDW's classified and unclassified networks. These efforts directly support strategic decision making, execution of operations, and support to US senior leadership including the POTUS, SECDEF, CJCS, and the CSAF. This is a continuing requirement and was previously justified in the FY15 PB BCI exhibit under Program Justification, PE 0408550F, Section b. This is not a New Start.		
PE 0505550F IT SERVICES MANAGEMENT, AF RESERVE		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>AFRC Base Communications Infrastructure Equipment: Funds provide for recapitalization, and support of base communications infrastructure at AFRC, an AF MAJCOM consisting of a HQ, three Numbered Air Forces (NAFs), 45 flying wings/groups and more than 40 Geographically Separated Units; Air Reserve Personnel Center (ARPC) and the Major Command Coordinating Center (MCCC). Funding supports AFR-wide programs providing base communications infrastructure consistency. Funding provides AFR-wide hardware and software purchases, thus ensuring the deployment of consistent, compatible, and interoperable technology and architecture. This is a continuing requirement and was previously justified in the FY15 PB BCI exhibit under Program Justification, PE 0505550F. This is not a New Start. 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.</p> <p>In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the armed forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>PE 0508550F IT SERVICES MANAGEMENT, AIR NATIONAL GUARD (ANG)</p> <p>ANG Base Communications Infrastructure Equipment: Funds provide for life cycle support of base communications infrastructure at 89 ANG flying wings and more than 106 GSUs, including the ANG Network Operations and Security Center (NOSC). Funds support ANG-wide base communications infrastructure projects consistent with AF IT standards and for compatibility of the ANG enterprise with the AF and the Department of Defense (DoD) centralized networks. This is a continuing requirement and was previously justified in the FY15 PB BCI exhibit under Program Justification, PE 0508550F. This is not a New Start. 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.</p> <p>In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the armed forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>PE 0708550F IT SERVICES MANAGEMENT, LOGISTICS</p> <p>AFMC Network Equipment: This program supports procurement of LMR trunking systems at AFMC locations in direct support for emergency responders participating in base, local, civil and federal disaster response as well as Battle Staff and Crisis Action Team (CAT) operations. This is a continuing requirement and was previously justified in the FY15 PB BCI exhibit under Program Justification, PE 0708550F. This is not a New Start.</p> <p>PE 0808550F IT SERVICES MANAGEMENT, TRAINING</p> <p>AIR EDUCATION AND TRAINING COMMAND (AETC) Base Communications Infrastructure Equipment: Funds support base-approved and MAJCOM-validated communications requirements as identified in base communications blueprints. These support the flying and technical training, education, recruiting, and accession mission, command and control, as well as first responder services at all 11 AETC bases. This is a continuing requirement and was previously justified in the FY15 PB BCI exhibit under Program Justification, PE 0808550F. This is not a New Start.</p> <p>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.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base					P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:				Other Related Program Elements:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	21.591	68.041	72.049	15.400	87.449	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	41.286	23.129	4.637	-	4.637	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.241	0.319	0.324	-	0.324	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	63.118	91.489	77.010	15.400	92.410	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base					P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Minuteman Communications Infrastructure	P-40a	A	- / -	- / -	- / -	- / 6.060	- / -	- / 6.060
Contingency Operations Infrastructure	P-40a	A	- / -	- / -	- / -	- / 2.499	- / -	- / 2.499
USCYBERCOM Communications Infrastructure	P-40a	A	- / -	- / -	- / -	- / 3.952	- / -	- / 3.952
F-22 Deployable Debrief Facility Communications Equipment	P-40a	A	- / -	- / 0.971	- / 1.072	- / 0.936	- / -	- / 0.936
AFNETOPS Network Communications Equipment	P-40a	A	- / -	- / 0.559	- / 0.846	- / -	- / -	- / -
AFSPC Lead Command Base Communications Infrastructure	P-40a	A	- / -	- / 5.426	- / 36.884	- / 17.898	- / -	- / 17.898
AFSOC Base Communications Infrastructure Equipment	P-40a	A	- / -	- / 0.491	- / 0.650	- / 0.658	- / -	- / 0.658
PACAF Base Communications Infrastructure Equipment	P-40a	A	- / -	- / 0.186	- / 2.994	- / 0.793	- / -	- / 0.793
ACC Base Communications Infrastructure Equipment	P-40a	A	- / -	- / -	- / 0.788	- / 0.672	- / -	- / 0.672
USAFE-AFAFRICA Base Communications Infrastructure Equipment	P-40a	A	- / -	- / 1.528	- / 4.000	- / 1.294	- / 15.400	- / 16.694
USAFE Technical Control Facility Program Equipment	P-40a	A	- / -	- / 0.377	- / 0.648	- / 0.088	- / -	- / 0.088
Theater Nuclear Weapon Storage and Security System (WS3) Communications Infrastructure Equipment	P-40a	A	- / -	- / -	- / -	- / 7.163	- / -	- / 7.163
AFDW Base Communications Network Equipment	P-40a	A	- / -	- / 3.758	- / 6.031	- / 3.486	- / -	- / 3.486
AFSPC Base Communications Infrastructure Equipment	P-40a	A	- / -	- / 3.566	- / 8.559	- / 23.288	- / -	- / 23.288
AMC Base Communications Infrastructure Equipment	P-40a	A	- / -	- / 0.130	- / -	- / -	- / -	- / -
AFDW Base Communications Infrastructure Equipment	P-40a	A	- / -	- / 0.724	- / 0.853	- / 0.733	- / -	- / 0.733
AFRC Base Communications Infrastructure Equipment	P-40a	A	- / -	- / 0.241	- / 0.319	- / 0.324	- / -	- / 0.324
ANG Base Communications Infrastructure Equipment	P-40a	A	- / -	- / 41.286	- / 23.129	- / 4.637	- / -	- / 4.637
AFMC Base Communications Infrastructure Equipment	P-40a	A	- / -	- / 1.985	- / 2.263	- / 1.770	- / -	- / 1.770
AETC Base Communications Infrastructure Equipment	P-40a	A	- / -	- / 1.890	- / 2.453	- / 0.759	- / -	- / 0.759
Total Gross/Weapon System Cost			- / -	- / 63.118	- / 91.489	- / 77.010	- / 15.400	- / 92.410
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
<p>Justification: PE 0101323F MINUTEMAN COMMUNICATIONS</p> <p>Minuteman Communications Infrastructure: FY16 funds will support AFGSC's acquisition of cable equipment to replace aging VLF cable infrastructure at LCCs that are necessary to provide survivable and enduring communications. This program supports the nuclear mission by ensuring that required cable equipment is available to support the MEECN Program with VLF communications paths from the POTUS/ SecDef to ICBM forces in the field.</p> <p>PE 0207138F F-22A SQUADRONS</p> <p>F-22 DDF Communications Equipment: FY16 funds will be used by ACC to buy a 3rd Generation shelter including communications equipment to replace older Generation shelters purchased for early F-22 squadrons. Additionally, communications infrastructure requirements in support of F-22 aircraft will be funded in FY16.</p>								

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
PE 0207425F AF NETWORK OPERATIONS AND COMMAND COMMUNICATIONS		
AF Network Operations (AFNETOPS): No FY16 funding requested.		
PE 0207436F ENGINEERING AND INSTALLATION (E&I) SUPPORT		
AFSPC Lead Command Base Communications Infrastructure: FY16 E&I funds ensure life cycle support to keep base communications infrastructure on pace with current technological developments. FY16 funds base communications infrastructure support to include LMR system replacement, communications cable reutilization and redistribution, and base telephone switch replacement.		
PE 0208028F, CONTINGENCY OPERATIONS		
USAFE-AFAFRICA Contingency Operations Infrastructure Equipment: FY16 Contingency Operations equipment provides the infrastructure to support the planning, organizing, training, equipping, and command and control necessary for the installation to function as a coordinated team during contingencies (i.e., emergencies involving natural disasters, major accidents, or military operations).		
PE 0208059F, CYBER COMMAND ACTIVITES		
USCYBERCOM Communications Infrastructure: FY16 will be used by USCYBERCOM to procure base communications infrastructure (e.g., servers, routers, Local Area Networks (LANs), End Building Node (EBN) hardware) that support ongoing USCYBERCOM activities.		
PE 0208550F IT SERVICES MANAGEMENT, TACTICAL AIR FORCES		
a. AFSOC Base Communications Infrastructure Equipment: FY16 funds will be used by AFSOC to recapitalize data, voice, and video equipment supporting AFSOC forces organized under three active-duty wings, one reserve wing, one National Guard wing, two overseas groups, and several direct reporting units.		
b. PACAF Base Communications Infrastructure Equipment: FY16 funding supports PACAF's acquisition and installation of Unified Capabilities (UC) and communications infrastructure at remote and Geographically Separated Unit (GSU) locations. Procurements include Voice over IP (VoIP) solutions to replace the obsolete telephone switches and communications infrastructure supporting C2 for deploying squadrons at these (flex base) locations. This capability directly supports COMPACAF's flexible basing strategy for the Pacific region.		
c. ACC Base Communications Infrastructure Equipment: FY16 funds continue life cycle support of base communications infrastructure at ACC bases and replaces outdated network voice and data equipment hardware to meet mission requirements of ACC's C2 and mission support users.		
d. USAFE-AFAFRICA Base Communications Infrastructure Equipment: FY16 funds replace USAFE's outdated Land Mobile Radio distribution systems between intrabase communication networks/nodes thereby eliminating bottlenecks in Trunking Systems across USAFE-AFAFRICA MOBs and GSUs. Base network infrastructure procurements meet network communications requirements for USAFE-AFAFRICA users at MOBS and GSUs.		
e. FY16 USAFE-AFAFRICA Overseas Contingency Operations (OCO) Request: FY16 funds provide semi-permanent base communications infrastructure equipment at Chabelley Airfield, Djibouti and for Niger basing.		
PE 0303126F LONG HAUL COMMUNICATIONS		
USAFE Technical Control Facility Program Equipment: FY16 funding continues the Technical Control Facility Program life cycle replacement of outdated data transfer/distribution systems between intrabase communication networks and which eliminates bottlenecks in base data distribution systems.		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
PE 0305155F THEATER NUCLEAR WEAPON STORAGE AND SECURITY SYSTEM		
Theater Nuclear Weapon Storage and Security System (WS3) Communications Infrastructure Equipment: FY16 funding supports the procurement of communications equipment and buried cable and alarm equipment. This equipment procurement supports the NATO nuclear deterrence mission in Europe.		
PE 0305550F IT SERVICES MANAGEMENT, OTHER		
a. AFDW Base Communications Network Equipment: FY16 funds procure wide and local area network hardware (i.e., servers, routers, hubs and network systems) at Joint Base Anacostia-Bolling, Joint Base Andrews, and Headquarters Air Force. This program invests in office automation systems and computer networks in order to procure high-quality, high-speed connections to both public and classified network, and equipment required to react to emerging and emergency mission requirements in the National Capital Region (NCR).		
b. AFSPC Base Communications Infrastructure Equipment: FY16 funds provide life cycle support for base communications equipment at AFSPC installations including the Joint Space Operations Center at 30SW, Vandenberg AFB.		
PE 0408550F IT SERVICES MANAGEMENT, MOBILITY		
a. Air Mobility Command (AMC) Base Communications Infrastructure Equipment: No FY16 funding requested.		
b. AFDW Base Communications Infrastructure Equipment: FY16 funds procure wide and local area network at Joint Base Anacostia-Bolling, Joint Base Andrews, and Headquarters Air Force. This program invests in office automation systems and computer networks investments support high-quality, high-speed connections to public and classified networks in support of NCR mission requirements.		
PE 0505550F IT SERVICES MANAGEMENT, AF RESERVE		
AFRC Base Communications Infrastructure Equipment: FY16 funds support data, voice, and video projects to promote compatibility with the AF "Active" component architectures. In addition to funding AFR-wide programs. Funds also acquire equipment for life cycle support of critical base-level communications infrastructure requirements.		
PE 0508550F IT SERVICES MANAGEMENT, AIR NATIONAL GUARD (ANG)		
ANG Base Communications Infrastructure Equipment: FY16 funds continue to support installation of command purchased information technology and software to maintain a consistent, compatible, and interoperable infrastructure and architecture. This functionality ensures compatibility of ANG networks with the AF Enterprise.		
PE 0708550F IT SERVICES MANAGEMENT, LOGISTICS		
AFMC Network Equipment: FY16 funds provide continued capital equipment replacement of LMR systems across AFMC locations. These efforts are necessary to ensure network equipment vulnerabilities will continue to be addressed and so that system maintainability and availability requirements are met.		
PE 0808550F IT SERVICES MANAGEMENT, TRAINING		
AETC Base Communications Infrastructure Equipment: FY16 funds will be used to continue the process of replacing AETC legacy Base LANs designed to carry data, as service is transitioned to comply with Assured Services Local Area Network (ASLAN). FY16 funding will be used to acquire this infrastructure to support 50,000 users at Joint Base San Antonio-Lackland.		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7								P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure							Aggregated Items Title: MINUTEMAN Communications				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Minuteman Communications Infrastructure	A		-	-	-	-	-	-	-	-	-	-	-	6.060	-	-	-	-	-	6.060
Secondary Distribution																				
AF				-	-		-	-		-	-		-	6.060		-	-		-	6.060
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	6.060	-	-	-	-	-	6.060
Total			-	-	-	-	-	-	-	-	-	-	-	6.060	-	-	-	-	-	6.060

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7								P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure							Aggregated Items Title: Contingency Operations				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Contingency Operations Infrastructure	A		-	-	-	-	-	-	-	-	-	-	-	2.499	-	-	-	-	-	2.499
Secondary Distribution																				
AF			-	-	-	-	-	-	-	-	-	-	-	2.499	-	-	-	-	-	2.499
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	2.499	-	-	-	-	-	2.499
Total			-	-	-	-	-	-	-	-	-	-	-	2.499	-	-	-	-	-	2.499

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7								P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure							Aggregated Items Title: Cyber Command Activities				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
USCYBERCOM Communications Infrastructure	A		-	-	-	-	-	-	-	-	-	-	-	3.952	-	-	-	-	-	3.952
Secondary Distribution																				
AF				-	-		-	-		-	-		-	3.952		-	-		-	3.952
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	3.952	-	-	-	-	-	3.952
Total			-	-	-	-	-	-	-	-	-	-	-	3.952	-	-	-	-	-	3.952

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7								P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure							Aggregated Items Title: F-22A Squadrons				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
F-22 Deployable Debrief Facility Communications Equipment	A		-	-	-	-	-	0.971	-	-	1.072	-	-	0.936	-	-	-	-	-	0.936
Secondary Distribution																				
AF			-	-	-	-	-	0.971	-	-	1.072	-	-	0.936	-	-	-	-	-	0.936
Subtotal: Uncategorized			-	-	-	-	-	0.971	-	-	1.072	-	-	0.936	-	-	-	-	-	0.936
Total			-	-	-	-	-	0.971	-	-	1.072	-	-	0.936	-	-	-	-	-	0.936

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7								P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure							Aggregated Items Title: AF Network Ops and Command Comms				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total					
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)			
Uncategorized																							
AFNETOPS Network Communications Equipment	A		-	-	-	-	-	0.559	-	-	0.846	-	-	-	-	-	-	-	-	-			
Secondary Distribution																							
AF				-	-		-	0.559		-	0.846		-	-		-	-		-	-			
Subtotal: Uncategorized			-	-	-	-	-	0.559	-	-	0.846	-	-	-	-	-	-	-	-	-			
Total			-	-	-	-	-	0.559	-	-	0.846	-	-	-	-	-	-	-	-	-			

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7								P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure							Aggregated Items Title: Engineering and Installation - Air Force				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
AFSPC Lead Command Base Communications Infrastructure	A		-	-	-	-	-	5.426	-	-	36.884	-	-	17.898	-	-	-	-	-	17.898
Secondary Distribution																				
AF			-	-	-	-	-	5.426	-	-	36.884	-	-	17.898	-	-	-	-	-	17.898
Subtotal: Uncategorized			-	-	-	-	-	5.426	-	-	36.884	-	-	17.898	-	-	-	-	-	17.898
Total			-	-	-	-	-	5.426	-	-	36.884	-	-	17.898	-	-	-	-	-	17.898

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7								P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure							Aggregated Items Title: Information Technology Services Management - Tactical Air Forces				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
AFSOC Base Communications Infrastructure Equipment	A		-	-	-	-	-	0.491	-	-	0.650	-	-	0.658	-	-	-	-	-	0.658
Secondary Distribution																				
AF				-	-		-	0.491		-	0.650		-	0.658		-	-		-	0.658
PACAF Base Communications Infrastructure Equipment	A		-	-	-	-	-	0.186	-	-	2.994	-	-	0.793	-	-	-	-	-	0.793
Secondary Distribution																				
AF				-	-		-	0.186		-	2.994		-	0.793		-	-		-	0.793
ACC Base Communications Infrastructure Equipment	A		-	-	-	-	-	-	-	-	0.788	-	-	0.672	-	-	-	-	-	0.672
Secondary Distribution																				
AF				-	-		-	-		-	0.788		-	0.672		-	-		-	0.672
USAFE-AFAFRICA Base Communications Infrastructure Equipment	A		-	-	-	-	-	1.528	-	-	4.000	-	-	1.294	-	-	15.400	-	-	16.694
Secondary Distribution																				
AF				-	-		-	1.528		-	4.000		-	1.294		-	15.400		-	16.694
Subtotal: Uncategorized			-	-	-	-	-	2.205	-	-	8.432	-	-	3.417	-	-	15.400	-	-	18.817
Total			-	-	-	-	-	2.205	-	-	8.432	-	-	3.417	-	-	15.400	-	-	18.817

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7								P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure							Aggregated Items Title: Long-Haul Communications - DCS				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
USAFE Technical Control Facility Program Equipment	A		-	-	-	-	-	0.377	-	-	0.648	-	-	0.088	-	-	-	-	-	0.088
Secondary Distribution																				
AF				-	-		-	0.377		-	0.648		-	0.088		-	-		-	0.088
Subtotal: Uncategorized			-	-	-	-	-	0.377	-	-	0.648	-	-	0.088	-	-	-	-	-	0.088
Total			-	-	-	-	-	0.377	-	-	0.648	-	-	0.088	-	-	-	-	-	0.088

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7						P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure									Aggregated Items Title: Theater Nuclear Weapon Storage & Security System				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Theater Nuclear Weapon Storage and Security System (WS3) Communications Infrastructure Equipment	A		-	-	-	-	-	-	-	-	-	-	-	7.163	-	-	-	-	-	7.163
Secondary Distribution																				
AF				-	-		-	-		-	-		-	7.163		-	-		-	7.163
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	7.163	-	-	-	-	-	7.163
Total			-	-	-	-	-	-	-	-	-	-	-	7.163	-	-	-	-	-	7.163

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7						P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure									Aggregated Items Title: Information Technology Services Management - Other				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
AFDW Base Communications Network Equipment	A		-	-	-	-	-	3.758	-	-	6.031	-	-	3.486	-	-	-	-	-	3.486
Secondary Distribution																				
AF				-	-	-	-	3.758		-	6.031		-	3.486		-	-		-	3.486
AFSPC Base Communications Infrastructure Equipment	A		-	-	-	-	-	3.566	-	-	8.559	-	-	23.288	-	-	-	-	-	23.288
Secondary Distribution																				
AF				-	-		-	3.566		-	8.559		-	23.288		-	-		-	23.288
Subtotal: Uncategorized			-	-	-	-	-	7.324	-	-	14.590	-	-	26.774	-	-	-	-	-	26.774
Total			-	-	-	-	-	7.324	-	-	14.590	-	-	26.774	-	-	-	-	-	26.774

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7								P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure							Aggregated Items Title: Information Technology Services Management - Mobility Air Forces				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
AMC Base Communications Infrastructure Equipment	A		-	-	-	-	-	0.130	-	-	-	-	-	-	-	-	-	-	-	
Secondary Distribution																				
AF				-	-		-	0.130		-	-		-	-		-	-		-	-
AFDW Base Communications Infrastructure Equipment	A		-	-	-	-	-	0.724	-	-	0.853	-	-	0.733	-	-	-	-	-	0.733
Secondary Distribution																				
AF				-	-		-	0.724		-	0.853		-	0.733		-	-		-	0.733
Subtotal: Uncategorized			-	-	-	-	-	0.854	-	-	0.853	-	-	0.733	-	-	-	-	-	0.733
Total			-	-	-	-	-	0.854	-	-	0.853	-	-	0.733	-	-	-	-	-	0.733

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7								P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure							Aggregated Items Title: Information Technology Services Management - AFR				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
AFRC Base Communications Infrastructure Equipment	A		-	-	-	-	-	0.241	-	-	0.319	-	-	0.324	-	-	-	-	-	0.324
Secondary Distribution																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
AFR				-	-		-	0.241		-	0.319		-	0.324		-	-		-	0.324
Subtotal: Uncategorized			-	-	-	-	-	0.241	-	-	0.319	-	-	0.324	-	-	-	-	-	0.324
Total			-	-	-	-	-	0.241	-	-	0.319	-	-	0.324	-	-	-	-	-	0.324

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7								P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure							Aggregated Items Title: Information Technology Services Management - ANG				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
ANG Base Communications Infrastructure Equipment	A		-	-	-	-	-	41.286	-	-	23.129	-	-	4.637	-	-	-	-	-	4.637
Secondary Distribution																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
AFNG				-	-		-	41.286		-	23.129		-	4.637		-	-		-	4.637
AFR				-	-		-	-		-	-		-	-		-	-		-	-
Subtotal: Uncategorized			-	-	-	-	-	41.286	-	-	23.129	-	-	4.637	-	-	-	-	-	4.637
Total			-	-	-	-	-	41.286	-	-	23.129	-	-	4.637	-	-	-	-	-	4.637

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7								P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure							Aggregated Items Title: Information Technology Services Management - Logistics				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
AFMC Base Communications Infrastructure Equipment	A		-	-	-	-	-	1.985	-	-	2.263	-	-	1.770	-	-	-	-	-	1.770
Secondary Distribution																				
AF			-	-	-	-	-	1.985	-	-	2.263	-	-	1.770	-	-	-	-	-	1.770
Subtotal: Uncategorized			-	-	-	-	-	1.985	-	-	2.263	-	-	1.770	-	-	-	-	-	1.770
Total			-	-	-	-	-	1.985	-	-	2.263	-	-	1.770	-	-	-	-	-	1.770

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7								P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure							Aggregated Items Title: Information Technology Services Management - Training				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
AETC Base Communications Infrastructure Equipment	A		-	-	-	-	-	1.890	-	-	2.453	-	-	0.759	-	-	-	-	-	0.759
Secondary Distribution																				
AF			-	-	-	-	-	1.890	-	-	2.453	-	-	0.759	-	-	-	-	-	0.759
Subtotal: Uncategorized			-	-	-	-	-	1.890	-	-	2.453	-	-	0.759	-	-	-	-	-	0.759
Total			-	-	-	-	-	1.890	-	-	2.453	-	-	0.759	-	-	-	-	-	0.759

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 8: Modifications							P-1 Line Item Number / Title: 838010 / Comm Elect Mods					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items: 0305111F, 0305909F					Other Related Program Elements: 0305111F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	130.869	42.512	56.344	71.800	-	71.800	52.989	49.023	37.401	39.963	4.547	485.448
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	130.869	42.512	56.344	71.800	-	71.800	52.989	49.023	37.401	39.963	4.547	485.448
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	130.869	42.512	56.344	71.800	-	71.800	52.989	49.023	37.401	39.963	4.547	485.448
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description: The FY2016 funding request was reduced by \$16.748M to account for the availability of prior execution balances</p> <p>In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the armed forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>PE 0102325F ATMOSPHERIC EARLY WARNING SYSTEM</p> <p>The AN/FPS-117 radar supports the NORAD, USNORTHCOM, and PACAF missions. The radars are part of the Atmospheric Early Warning System (AEWS), providing radar data to both USAF and Federal Aviation Administration control systems in Alaska. The radars also provide air surveillance capability as part of a bi-national defense program with Canada. The USAF FPS-117s (versions 1 & 4) are no longer in production.</p> <p>The AN/FPS-117 Essential Parts Replacement Program (EPRP) is a reliability and maintainability upgrade improving supportability and reducing sustainment costs by decreasing the number of Line Replaceable Units (LRUs) within the AN/FPS-117. EPRP also restores the radar system to its original operational availability rates by eliminating parts obsolescence and replacing high failure rate components. EPRP's goal is to ensure the FPS-117 radar can support the war fighter's air surveillance mission beyond 2025. FY15 funds provide for hardware installations and direct mission support.</p> <p>PE 0305111F WEATHER SERVICE</p> <p>The Weather Observation and Forecast System provides meteorological equipment and ground-based space environment sensing equipment supporting the global missions of the Air Force (AF), Army, Special Operations Forces (SOF), combatant commands, and other government agencies. Additionally, these funds will procure information system equipment for processing, storing, and disseminating weather information for analysis, forecasting, and mission integration at the strategic, operational, and tactical levels. Fixed and transportable equipment provides observing and forecasting capabilities for home station and deployed locations in support of worldwide Air and Space Expeditionary Forces and Army forces. Weather system modifications provide critical support to modern air and space combat operations. These systems enhance the effectiveness of AF weapon systems and precision munitions by accurately predicting environmental impacts to optimize execution and planning, targeting, weaponizing, and battle damage assessment, as well as space systems operations and effectiveness.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 8: Modifications						P-1 Line Item Number / Title: 838010 / Comm Elect Mods				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items: 0305111F, 0305909F			Other Related Program Elements: 0305111F				
<p>The AF Weather Weapon System (AFWWS) supports the Warfighting Mission Area with programs aligned under four capability areas: 1) Weather Data Collection, 2) Weather Data Analysis and Dissemination, 3) Weather Forecasting, and 4) Product Tailoring/Warfighter Applications. Through this alignment, AF weather ensures an integrated and systems oriented approach to program management decisions.</p> <p>PE 0305114F AIR TRAFFIC CONTROL AND LANDING SYSTEMS (ATCALS)</p> <p>ATCALS is a combination of United States Air Force (USAF) ground facilities and equipment, both fixed and tactical, with associated avionics, personnel, and procedures that provide air traffic control worldwide to USAF/Department of Defense flying missions. ATCALS includes basic air navigation equipment that provides enroute and terminal navigation control and separation, approach, departure, and landing guidance. ATCALS provides equipment required to ensure interoperability with systems operated by the North Atlantic Treaty Organization, the US National Airspace System, and the International Civil Aviation Organization.</p> <p>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.</p> <p>PE 0305909F BALLISTIC MSL EARLY WARNING SYSTEM (BMEWS)</p> <p>The Ballistic Missile Early Warning System (BMEWS) is a ground-based radar system whose primary mission, missile warning (MW), provides United States Strategic Command (USSTRATCOM) with credible Integrated Tactical Warning/Attack Assessment (ITW/AA) data on all Intercontinental Ballistic Missiles (ICBMs) penetrating the coverage area. This data includes an estimation of launch and predicted impact (L&PI) locations and times. BMEWS also provides USSTRATCOM and other users with ITW/AA data on Sea-Launched Ballistic Missiles (SLBMs) penetrating the coverage area. The upgraded BMEWS co-primary mission is Missile Defense (MD) supporting the Missile Defense Agency. The tertiary mission of BMEWS supports the Space Situational Awareness (SSA) mission by providing near-earth satellite surveillance, tracking and identification as required by the Joint Space Operations Center, Alternate Space Operations Center, and the National Air and Space Intelligence Center. The BMEWS consists of three operational sites: Thule Air Base (AB), Greenland; Clear Air Force Station (AFS), AK; and Royal Air Force (RAF) Fylingdales, UK. Each site provides unique coverage to a different geographic area. Additionally there is a fourth site for testing (System Program Agency) located in the Centralized Integration Support Facility (CISF) at Peterson AFB, CO.</p> <p>PE 0308699F SHARED EARLY WARNING SYSTEM (SEWS)</p> <p>SEWS provides timely and accurate Theater space-based Ballistic Missile early Warning information to partner nations using common standardized hardware equipment. The funds will procure updated SEW-specific equipment at Theater Combatant Commander locations and the Centralized Distribution Facility (CDF) at Peterson AFB, CO. At the Peterson AFB location, the data is initially received and filtered then data is transmitted to SEWS customers and other foreign partner nations. Updates are prioritized based on the adjudicated OSD/Joint staff-coordinated Integrated Priority List (IPL) for SEWS.</p>										
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	41.176	54.474	71.800	-	71.800	52.582	48.632	37.050	39.606
AFNG	Quantity	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force

Date: February 2015

Appropriation / Budget Activity / Budget Sub Activity:

3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications

P-1 Line Item Number / Title:

838010 / Comm Elect Mods

Equip / BSA 8: Modifications

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

Program Elements for Code B Items: 0305111F, 0305909F

Other Related Program Elements: 0305111F

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AFR	Total Obligation Authority	0.334	1.360	-	-	-	-	-	-	-
	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.002	0.510	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	42.512	56.344	71.800	-	71.800	52.582	48.632	37.050	39.606

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 8: Modifications				P-1 Line Item Number / Title: 838010 / Comm Elect Mods				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items: 0305111F, 0305909F			Other Related Program Elements: 0305111F		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / SC3I AEWS - FPS-117 EPRP (Service Life Extension)	P-40a		- / 109.125	- / 5.042	- / 3.970	- / -	- / -	- / -
1 / Next Generation Radar (NEXRAD) WSR-88D Upgrades (Capability Improvement)	P-40a		- / 0.350	- / 0.657	- / -	- / 0.017	- / -	- / 0.017
2 / Numerical Weather Modeling (Capability Improvement)	P-40a		- / 1.530	- / 1.996	- / 2.000	- / -	- / -	- / -
3 / AN/FMQ-7 Improved Solar Optical Observing Network (ISOON) (Capability Improvement)	P-40a		- / -	- / -	- / -	- / -	- / -	- / -
4 / AN/UMQ-13 MARK IV-B (Capability Improvement)	P-40a		- / 2.256	- / 1.500	- / 3.000	- / -	- / -	- / -
5 / AN/TMQ-53 Tactical Meteorological Observing System (TMOS) (Capability Improvement)	P-40a		- / 0.822	- / -	- / -	- / -	- / -	- / -
6 / WSR-88D Next Generation Radar (NEXRAD) Service Life Extension (Service Life Extension)	P-40a		- / -	- / -	- / 2.073	- / 2.665	- / -	- / 2.665
7 / Next Generation Radar (NEXRAD) WSR-88D IT Refresh (Capability Improvement)	P-40a		- / -	- / -	- / -	- / 0.366	- / -	- / 0.366
8 / Joint Environmental Toolkit (JET) Refresh (Capability Improvement)	P-40a		- / -	- / -	- / -	- / 0.500	- / -	- / 0.500
9 / AN/FMQ-23 Refresh (Reliability & Maintainability)	P-40a		- / -	- / -	- / -	- / -	- / -	- / -
10 / Weather Data Analysis (Capability Improvement)	P-40a		- / 1.420	- / 2.259	- / 5.002	- / 1.844	- / -	- / 1.844
11 / P-3A Low Cost Modifications (Capability Improvement)	P-40a		- / -	- / 0.500	- / -	- / -	- / -	- / -
1 / Radio Solar Telescope Network Service Life Extension Program (RSTN SLEP) (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 3.100	- / -	- / 3.100
1 / ATCALs AN/GRN-29 Instrument Landing System (PE 0305114F) (Capability Improvement)	P-40a		- / 13.305	- / 11.171	- / 13.427	- / 3.219	- / -	- / 3.219
2 / ATCALs Low Cost Mods (PE 0305114F) (Service Life Extension)	P-40a		- / 1.763	- / 2.741	- / 1.141	- / 0.761	- / -	- / 0.761
1 / National Airspace System (NAS) Mod 1 (Capability Improvement)	P-40a		- / -	- / -	- / -	- / -	- / -	- / -
1 / COBRA DANE Radar Mod (Reliability & Maintainability)	P-40a		- / -	- / -	- / -	- / 0.150	- / -	- / 0.150
2 / P-3A BMEWS Modification (formerly BMEWS Front End) (Reliability & Maintainability)	P-40a		- / -	- / 0.150	- / 0.150	- / 0.700	- / -	- / 0.700
1 / High-Altitude Electromagnetic Pulse (HEMP) Protection Program (Reliability & Maintainability)	P-3a		- / -	- / -	- / -	- / 49.000	- / -	- / 49.000
2 / P-3A BMEWS DP/SP Suite Replacement (formerly SGI Replacement) (Reliability & Maintainability)	P-3a		- / -	- / 16.220	- / 25.252	- / 9.258	- / -	- / 9.258
Shared Early Warning Systems (SEWS) (PE 0308699F)	P-40a	A	- / 0.298	1 / 0.276	1 / 0.329	1 / 0.220	- / -	1 / 0.220
Total Gross/Weapon System Cost			- / 130.869	- / 42.512	- / 56.344	- / 71.800	- / -	- / 71.800
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / SC3I AEWS - FPS-117 EPRP (Service Life Extension)	P-40a		- / -	- / -	- / -	- / -	- / -	- / 118.137
1 / Next Generation Radar (NEXRAD) WSR-88D Upgrades (Capability Improvement)	P-40a		- / -	- / -	- / -	- / -	- / -	- / 1.024

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 8: Modifications				P-1 Line Item Number / Title: 838010 / Comm Elect Mods				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items: 0305111F, 0305909F			Other Related Program Elements: 0305111F		
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
2 / Numerical Weather Modeling (Capability Improvement)	P-40a		- / -	- / -	- / -	- / -	- / -	- / 5.526
3 / AN/FMQ-7 Improved Solar Optical Observing Network (ISOON) (Capability Improvement)	P-40a		- / 1.500	- / -	- / -	- / -	- / -	- / 1.500
4 / AN/UMQ-13 MARK IV-B (Capability Improvement)	P-40a		- / 1.500	- / 1.500	- / 1.500	- / 1.527	- / -	- / 12.783
5 / AN/TMQ-53 Tactical Meteorological Observing System (TMOS) (Capability Improvement)	P-40a		- / -	- / -	- / -	- / -	- / -	- / 0.822
6 / WSR-88D Next Generation Radar (NEXRAD) Service Life Extension (Service Life Extension)	P-40a		- / 4.896	- / 4.808	- / 3.055	- / 3.110	- / -	- / 20.607
7 / Next Generation Radar (NEXRAD) WSR-88D IT Refresh (Capability Improvement)	P-40a		- / -	- / -	- / -	- / -	- / -	- / 0.366
8 / Joint Environmental Toolkit (JET) Refresh (Capability Improvement)	P-40a		- / 2.178	- / 2.026	- / 1.823	- / 1.856	- / 1.875	- / 10.258
9 / AN/FMQ-23 Refresh (Reliability & Maintainability)	P-40a		- / 0.347	- / -	- / 1.423	- / 1.447	- / 1.462	- / 4.679
10 / Weather Data Analysis (Capability Improvement)	P-40a		- / 1.000	- / 1.000	- / 1.104	- / 1.124	- / 1.135	- / 15.888
11 / P-3A Low Cost Modifications (Capability Improvement)	P-40a		- / -	- / -	- / -	- / -	- / -	- / 0.500
1 / Radio Solar Telescope Network Service Life Extension Program (RSTN SLEP) (Capability Improvement)	P-3a		- / -	- / 0.800	- / -	- / -	- / -	- / 3.900
1 / ATCALs AN/GRN-29 Instrument Landing System (PE 0305114F) (Capability Improvement)	P-40a		- / 11.475	- / 4.025	- / -	- / -	- / -	- / 56.622
2 / ATCALs Low Cost Mods (PE 0305114F) (Service Life Extension)	P-40a		- / 1.414	- / 1.355	- / 1.218	- / 1.239	- / -	- / 11.632
1 / National Airspace System (NAS) Mod 1 (Capability Improvement)	P-40a		- / 1.532	- / 7.491	- / 3.891	- / 5.859	- / 0.075	- / 18.848
1 / COBRA DANE Radar Mod (Reliability & Maintainability)	P-40a		- / -	- / -	- / -	- / -	- / -	- / 0.150
2 / P-3A BMEWS Modification (formerly BMEWS Front End) (Reliability & Maintainability)	P-40a		- / 26.740	- / 25.627	- / 23.036	- / 23.444	- / -	- / 99.847
1 / High-Altitude Electromagnetic Pulse (HEMP) Protection Program (Reliability & Maintainability)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 49.000
2 / P-3A BMEWS DP/SP Suite Replacement (formerly SGI Replacement) (Reliability & Maintainability)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 50.730
Shared Early Warning Systems (SEWS) (PE 0308699F)	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 52.989	- / 49.023	- / 37.401	- / 39.963	- / 4.547	- / 485.448
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
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-40a, Budget Item Justification For Aggregated Modification Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8					P-1 Line Item Number / Title: 838010 / Comm Elect Mods										Aggregated Modification Items Title: Atmospheric Early Warning System				

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

Item Number / Title	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / SC3I AEWS - FPS-117 EPRP			-	-	109.125	-	-	5.042	-	-	3.970	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		-	5.042		-	3.970		-	-		-	-		-	-
Total			-	-	109.125	-	-	5.042	-	-	3.970	-	-	-	-	-	-	-	-	-

Item Number / Title	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / SC3I AEWS - FPS-117 EPRP			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	118.137
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	118.137

Modification Information:

Item Number / Title	Models of Systems Affected	Modification Type
1 / SC3I AEWS - FPS-117 EPRP	AN/FPS-117	Service Life Extension

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Exhibit P-40a, Budget Item Justification For Aggregated Modification Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8						P-1 Line Item Number / Title: 838010 / Comm Elect Mods									Aggregated Modification Items Title: Weather Service					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / Next Generation Radar (NEXRAD) WSR-88D Upgrades			-	-	0.350	-	-	0.657	-	-	-	-	-	0.017	-	-	-	-	-	0.017
Secondary Distribution																				
AF				-	-		-	0.657		-	-		-	0.017		-	-		-	0.017
2 / Numerical Weather Modeling			-	-	1.530	-	-	1.996	-	-	2.000	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	1.996		-	2.000		-	-		-	-		-	-
3 / AN/FMQ-7 Improved Solar Optical Observing Network (ISOON)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
4 / AN/UMQ-13 MARK IV-B			-	-	2.256	-	-	1.500	-	-	3.000	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	1.500		-	3.000		-	-		-	-		-	-
5 / AN/TMQ-53 Tactical Meteorological Observing System (TMOS)			-	-	0.822	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
6 / WSR-88D Next Generation Radar (NEXRAD) Service Life Extension			-	-	-	-	-	-	-	-	2.073	-	-	2.665	-	-	-	-	-	2.665
Secondary Distribution																				
AF				-	-		-	-		-	2.073		-	2.665		-	-		-	2.665
7 / Next Generation Radar (NEXRAD) WSR-88D IT Refresh			-	-	-	-	-	-	-	-	-	-	-	0.366	-	-	-	-	-	0.366
Secondary Distribution																				
AF				-	-		-	-		-	-		-	0.366		-	-		-	0.366
8 / Joint Environmental Toolkit (JET) Refresh			-	-	-	-	-	-	-	-	-	-	-	0.500	-	-	-	-	-	0.500
Secondary Distribution																				
AF				-	-		-	-		-	-		-	0.500		-	-		-	0.500
9 / AN/FMQ-23 Refresh			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		-	-		-	-		-	-		-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Modification Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8					P-1 Line Item Number / Title: 838010 / Comm Elect Mods										Aggregated Modification Items Title: Weather Service				

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

Item Number / Title	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
10 / Weather Data Analysis			-	-	1.420	-	-	2.259	-	-	5.002	-	-	1.844	-	-	-	-	-	1.844
<i>Secondary Distribution</i>																				
AF				-	-		-	2.259		-	5.002		-	1.844		-	-		-	1.844
11 / P-3A Low Cost Modifications			-	-	-	-	-	0.500	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		-	0.500		-	-		-	-		-	-		-	-
Total			-	-	6.378	-	-	6.912	-	-	12.075	-	-	5.392	-	-	-	-	-	5.392

Item Number / Title	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / Next Generation Radar (NEXRAD) WSR-88D Upgrades			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.024
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
2 / Numerical Weather Modeling			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.526
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
3 / AN/FMQ-7 Improved Solar Optical Observing Network (ISOON)			-	-	1.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.500
<i>Secondary Distribution</i>																				
AF				-	1.500		-	-		-	-		-	-		-	-		-	-
4 / AN/UMQ-13 MARK IV-B			-	-	1.500	-	-	1.500	-	-	1.500	-	-	1.527	-	-	-	-	-	12.783
<i>Secondary Distribution</i>																				
AF				-	1.500		-	1.500		-	1.500		-	1.527		-	-		-	-
5 / AN/TMQ-53 Tactical Meteorological Observing System (TMOS)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.822
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
6 / WSR-88D Next Generation Radar (NEXRAD) Service Life Extension			-	-	4.896	-	-	4.808	-	-	3.055	-	-	3.110	-	-	-	-	-	20.607

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Exhibit P-40a, Budget Item Justification For Aggregated Modification Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8						P-1 Line Item Number / Title: 838010 / Comm Elect Mods									Aggregated Modification Items Title: Weather Service					
Item Number / Title	ID CD	MDAP/ MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Secondary Distribution																				
AF				-	4.896		-	4.808		-	3.055		-	3.110		-	-		-	-
7 / Next Generation Radar (NEXRAD) WSR-88D IT Refresh			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.366
Secondary Distribution																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
8 / Joint Environmental Toolkit (JET) Refresh			-	-	2.178	-	-	2.026	-	-	1.823	-	-	1.856	-	-	1.875	-	-	10.258
Secondary Distribution																				
AF				-	2.178		-	2.026		-	1.823		-	1.856		-	-		-	-
9 / AN/FMQ-23 Refresh			-	-	0.347	-	-	-	-	-	1.423	-	-	1.447	-	-	1.462	-	-	4.679
Secondary Distribution																				
AF				-	0.347		-	-		-	1.423		-	1.447		-	-		-	-
10 / Weather Data Analysis			-	-	1.000	-	-	1.000	-	-	1.104	-	-	1.124	-	-	1.135	-	-	15.888
Secondary Distribution																				
AF				-	1.000		-	1.000		-	1.104		-	1.124		-	-		-	-
11 / P-3A Low Cost Modifications			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.500
Secondary Distribution																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
Total			-	-	11.421	-	-	9.334	-	-	8.905	-	-	9.064	-	-	4.472	-	-	73.953

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Exhibit P-40a, Budget Item Justification For Aggregated Modification Items: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8	P-1 Line Item Number / Title: 838010 / Comm Elect Mods	Aggregated Modification Items Title: Weather Service

Modification Information:

Item Number / Title	Models of Systems Affected	Modification Type
1 / Next Generation Radar (NEXRAD) WSR-88D Upgrades	WSR-88D	Capability Improvement
2 / Numerical Weather Modeling	Weather Data Analysis	Capability Improvement
3 / AN/FMQ-7 Improved Solar Optical Observing Network (ISOON)	AN/FMQ-7	Capability Improvement
4 / AN/UMQ-13 MARK IV-B	AN/UMQ-13	Capability Improvement
5 / AN/TMQ-53 Tactical Meteorological Observing System (TMOS)	AN/TMQ-53	Capability Improvement
6 / WSR-88D Next Generation Radar (NEXRAD) Service Life Extension	WSR-88D	Service Life Extension
7 / Next Generation Radar (NEXRAD) WSR-88D IT Refresh	WSR-88D	Capability Improvement
8 / Joint Environmental Toolkit (JET) Refresh	Joint Environmental Tool Kit	Capability Improvement
9 / AN/FMQ-23 Refresh	AN/FMQ-23	Reliability & Maintainability
10 / Weather Data Analysis	Weather Data Analysis	Capability Improvement
11 / P-3A Low Cost Modifications	Weather Service	Capability Improvement

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Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8	P-1 Line Item Number / Title: 838010 / Comm Elect Mods	Modification Number / Title: 1 / Radio Solar Telescope Network Service Life Extension Program (RSTN SLEP)

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	-	3.100	-	3.100	-	0.800	-	-	-	3.900
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	-	3.100	-	3.100	-	0.800	-	-	-	3.900
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	3.100	-	3.100	-	0.800	-	-	-	3.900
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This Service Life Extension Program (SLEP) will address obsolescence issues and insert Commercial-Off-The-Shelf (COTS) components into both the Radio Interference Measurement System and Solar Radio Spectrograph to improve the systems' reliability, maintainability, and availability. RSTN is a legacy program (39+ years old) and 100% support provided organically by OO-ALC. Maintainers do not input maintenance data into a data collection system to track MTBF. Operational Availability is the only metric tracked.

Milestone/Development Status

OO-ALC study initiated in FY14 to outline RSTN SLEP strategy.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	3.100	-	3.100	-	0.800	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	3.100	-	3.100	-	0.800	-	-

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Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8				P-1 Line Item Number / Title: 838010 / Comm Elect Mods						Modification Number / Title: 1 / Radio Solar Telescope Network Service Life Extension Program (RSTN SLEP)			
Models of Systems Affected: RSTN, AN/FRR-95 (RIMS) & A/F24U-1 (SRS)				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
Modification Item 1 of 1: RSTN SLEP													
B Kits													
Recurring													
RSTN SLEP:EQUIPMENT Group B (Active)	- / -	- / -	- / -	1 / 3.100	- / -	1 / 3.100	- / -	1 / 0.800	- / -	- / -	- / -	2 / 3.900	
Subtotal: Recurring	- / -	- / -	- / -	- / 3.100	- / -	- / 3.100	- / -	- / 0.800	- / -	- / -	- / -	- / 3.900	
Subtotal: RSTN SLEP	- / -	- / -	- / -	- / 3.100	- / -	- / 3.100	- / -	- / 0.800	- / -	- / -	- / -	- / 3.900	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / 3.100	- / -	- / 3.100	- / -	- / 0.800	- / -	- / -	- / -	- / 3.900	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	3.100	-	3.100	-	0.800	-	-	-	3.900	

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Exhibit P-3a, Individual Modification: PB 2016 Air Force					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8		P-1 Line Item Number / Title: 838010 / Comm Elect Mods			Modification Number / Title: 1 / Radio Solar Telescope Network Service Life Extension Program (RSTN SLEP)		
Modification Item 1 of 1: RSTN SLEP							
Manufacturer Information							
Manufacturer Name: TBD; Currently BBA in Phase I				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 2		

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Exhibit P-40a, Budget Item Justification For Aggregated Modification Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8					P-1 Line Item Number / Title: 838010 / Comm Elect Mods										Aggregated Modification Items Title: Air Traffic Control, Approach, and Landing System (ATCALs)				

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

Item Number / Title	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / ATCALs AN/GRN-29 Instrument Landing System (PE 0305114F)			-	-	13.305	-	-	11.171	-	-	13.427	-	-	3.219	-	-	-	-	-	3.219
<i>Secondary Distribution</i>																				
AF				-	-		-	9.835		-	11.557		-	3.219		-	-		-	3.219
AFNG				-	-		-	0.334		-	1.360		-	-		-	-		-	-
AFR				-	-		-	1.002		-	0.510		-	-		-	-		-	-
2 / ATCALs Low Cost Mods (PE 0305114F)			-	-	1.763	-	-	2.741	-	-	1.141	-	-	0.761	-	-	-	-	-	0.761
<i>Secondary Distribution</i>																				
AF				-	-		-	2.741		-	1.141		-	0.761		-	-		-	0.761
Total			-	-	15.068	-	-	13.912	-	-	14.568	-	-	3.980	-	-	-	-	-	3.980

Item Number / Title	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / ATCALs AN/GRN-29 Instrument Landing System (PE 0305114F)			-	-	11.475	-	-	4.025	-	-	-	-	-	-	-	-	-	-	-	56.622
<i>Secondary Distribution</i>																				
AF				-	11.475		-	4.025		-	-		-	-		-	-		-	-
AFNG				-	-		-	-		-	-		-	-		-	-		-	-
AFR				-	-		-	-		-	-		-	-		-	-		-	-
2 / ATCALs Low Cost Mods (PE 0305114F)			-	-	1.414	-	-	1.355	-	-	1.218	-	-	1.239	-	-	-	-	-	11.632
<i>Secondary Distribution</i>																				
AF				-	1.414		-	1.355		-	1.218		-	1.239		-	-		-	-
Total			-	-	12.889	-	-	5.380	-	-	1.218	-	-	1.239	-	-	-	-	-	68.254

Modification Information:

Item Number / Title	Models of Systems Affected	Modification Type
1 / ATCALs AN/GRN-29 Instrument Landing System (PE 0305114F)	AN/GRN-29 Instrument Landing System	Capability Improvement
2 / ATCALs Low Cost Mods (PE 0305114F)	ATCALs	Service Life Extension

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Exhibit P-40a, Budget Item Justification For Aggregated Modification Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8					P-1 Line Item Number / Title: 838010 / Comm Elect Mods										Aggregated Modification Items Title: National Airspace System (NAS) Plan				

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

Item Number / Title	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / National Airspace System (NAS) Mod 1			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
Total			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Item Number / Title	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / National Airspace System (NAS) Mod 1			-	-	1.532	-	-	7.491	-	-	3.891	-	-	5.859	-	-	0.075	-	-	18.848
<i>Secondary Distribution</i>																				
AF				-	1.532		-	7.491		-	3.891		-	5.859		-	-		-	-
Total			-	-	1.532	-	-	7.491	-	-	3.891	-	-	5.859	-	-	0.075	-	-	18.848

Modification Information:

Item Number / Title	Models of Systems Affected	Modification Type
1 / National Airspace System (NAS) Mod 1	National Airspace System (NAS)	Capability Improvement

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Exhibit P-40a, Budget Item Justification For Aggregated Modification Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8					P-1 Line Item Number / Title: 838010 / Comm Elect Mods										Aggregated Modification Items Title: Ballistic Missile Early Warning System (BMEWS)				

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

Item Number / Title	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / COBRA DANE Radar Mod			-	-	-	-	-	-	-	-	-	-	-	0.150	-	-	-	-	-	0.150
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	-		-	0.150		-	-		-	0.150
2 / P-3A BMEWS Modification (formerly BMEWS Front End)			-	-	-	-	-	0.150	-	-	0.150	-	-	0.700	-	-	-	-	-	0.700
<i>Secondary Distribution</i>																				
AF				-	-		-	0.150		-	0.150		-	0.700		-	-		-	0.700
Total			-	-	0.000	-	-	0.150	-	-	0.150	-	-	0.850	-	-	-	-	-	0.850

Item Number / Title	ID CD	MDAP/MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 / COBRA DANE Radar Mod			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.150
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
2 / P-3A BMEWS Modification (formerly BMEWS Front End)			-	-	26.740	-	-	25.627	-	-	23.036	-	-	23.444	-	-	-	-	-	99.847
<i>Secondary Distribution</i>																				
AF				-	26.740		-	25.627		-	23.036		-	23.444		-	-		-	-
Total			-	-	26.740	-	-	25.627	-	-	23.036	-	-	23.444	-	-	-	-	-	99.997

Modification Information:

Item Number / Title	Models of Systems Affected	Modification Type
1 / COBRA DANE Radar Mod	N/A	Reliability & Maintainability
2 / P-3A BMEWS Modification (formerly BMEWS Front End)	N/A	Reliability & Maintainability

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Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8	P-1 Line Item Number / Title: 838010 / Comm Elect Mods	Modification Number / Title: 1 / High-Altitude Electromagnetic Pulse (HEMP) Protection Program

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	-	49.000	-	49.000	-	-	-	-	-	49.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	-	49.000	-	49.000	-	-	-	-	-	49.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	49.000	-	49.000	-	-	-	-	-	49.000
(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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

High Altitude Electromagnetic Pulse (HEMP) Protection Program: HEMP Protection modification implements POTUS, OSD, CJCS & USSTRATCOM HEMP survivability requirements. This upgrade was advocated by the USSTRATCOM/CC and downward directed and funded by the DepSecDef. The BMEWS/UEWR Thule UHF radar complex located at Thule AB, Greenland is planned to be upgraded as part of HEMP modernization program for critical Air Force Space Command sites. This program will install HEMP protection of the main radar building IAW MIL-STD-188-125 to achieve certification by USSTRATCOM. This is a New Start for FY16. The survivability upgrade will start in FY16 and provides five summers for seasonal work in a remote arctic location. Once Certification is granted, the annual Integrated Nuclear Survivability and Endurability Report (INSER) will be updated to show survivability status and reported to the JCS and Congress.

Milestone/Development Status

FY16 High-Altitude Electromagnetic Pulse (HEMP) Protection Program

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	49.000	-	49.000	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	49.000	-	49.000	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8				P-1 Line Item Number / Title: 838010 / Comm Elect Mods						Modification Number / Title: 1 / High-Altitude Electromagnetic Pulse (HEMP) Protection Program			
Models of Systems Affected: N/A				Modification Type: Reliability & Maintainability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> HEMP													
A Kits													
Recurring													
HEMP:INSTALL KITS Group A (Active)	- / -	- / -	- / -	1 / 39.200	- / -	1 / 39.200	- / -	- / -	- / -	- / -	- / -	1 / 39.200	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 39.200	- / -	- / 39.200	- / -	- / -	- / -	- / -	- / -	- / 39.200	
<i>Subtotal: HEMP</i>	- / -	- / -	- / -	- / 39.200	- / -	- / 39.200	- / -	- / -	- / -	- / -	- / -	- / 39.200	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 39.200	- / -	- / 39.200	- / -	- / -	- / -	- / -	- / -	- / 39.200	
Installation													
<i>Modification Item 1 of 1:</i> HEMP	- / -	- / -	- / -	1 / 9.800	- / -	1 / 9.800	- / -	- / -	- / -	- / -	- / -	1 / 9.800	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	1 / 9.800	- / -	1 / 9.800	- / -	- / -	- / -	- / -	- / -	1 / 9.800	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	49.000	-	49.000	-	-	-	-	-	49.000	

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Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8	P-1 Line Item Number / Title: 838010 / Comm Elect Mods	Modification Number / Title: 1 / High-Altitude Electromagnetic Pulse (HEMP) Protection Program

Modification Item 1 of 1: HEMP

Manufacturer Information

Manufacturer Name: N/A	Manufacturer Location: N/A
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 71

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Jan 2016				
Delivery Dates			Dec 2021				

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	1 / 9.800	- / -	1 / 9.800	- / -	- / -	- / -	- / -	- / -	1 / 9.800
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	1 / 9.800	- / -	1 / 9.800	- / -	- / -	- / -	- / -	- / -	1 / 9.800

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1

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Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8	P-1 Line Item Number / Title: 838010 / Comm Elect Mods	Modification Number / Title: 2 / P-3A BMEWS DP/SP Suite Replacement (formerly SGI Replacement)

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	16.220	25.252	9.258	-	9.258	-	-	-	-	-	50.730
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	16.220	25.252	9.258	-	9.258	-	-	-	-	-	50.730
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	16.220	25.252	9.258	-	9.258	-	-	-	-	-	50.730
(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 (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Ballistic Missile Early Warning System (BMEWS) is a ground-based radar system whose primary mission, missile warning (MW), provides United States Strategic Command (USSTRATCOM) with credible Integrated Tactical Warning/Attack Assessment (ITW/AA) data on all Intercontinental Ballistic Missiles (ICBMs) penetrating the coverage area. This data includes an estimation of launch and predicted impact(L&PI) locations and times. BMEWS also provides USSTRATCOM and other users with ITW/AA data on Sea-Launched Ballistic Missiles (SLBMs) penetrating the coverage area. The upgraded BMEWS coprimary mission is Missile Defense (MD) supporting the Missile Defense Agency. The tertiary mission of BMEWS supports the Space Situational Awareness (SSA) mission by providing near-earth satellite surveillance, tracking and identification as required by the Joint Space Operations Center, Alternate Space Operations Center, and the National Air and Space Intelligence Center. The BMEWS consists of three operational sites: Thule Air Base (AB), Greenland; Clear Air Force Station (AFS), AK; and Royal Air Force (RAF) Fylingdales, UK. Each site provides unique coverage to a different geographic area. Additionally there is a fourth site for testing (System Program Agency) located in the Centralized Integration Support Facility (CISF) at Peterson AFB, CO. This effort is funded in PE 0305909F.

DATA PROCESSOR/SIGNAL PROCESSOR (DP/SP) SUITE REPLACEMENT (formerly BMEWS Evolutionary SGI Replacement Modification Program) replaces obsolete or unsupportable system components and subsystems to address evolving space and missile threats. The BMEWS mission equipment and associated sustainment suites consist of a mix of unique, custom-built components that are increasingly more difficult to maintain due to availability of replacement parts and obsolete COTS based subsystems that are no longer supported by the original equipment manufacturers. Without these modifications there is a high risk that Information Assurance issues and equipment failures will cause unacceptable mission downtime in order to troubleshoot and repair. FY16 will fund replacement of unsupportable mission and sustainment equipment (with any required initial spares) to include, but not limited to, Display and Signal Processors, associated processors, and display hardware.

Milestone/Development Status

N/A

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-

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LI 838010 - Comm Elect Mods
Air Force

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Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8				P-1 Line Item Number / Title: 838010 / Comm Elect Mods						Modification Number / Title: 2 / P-3A BMEWS DP/SP Suite Replacement (formerly SGI Replacement)			
Models of Systems Affected: N/A				Modification Type: Reliability & Maintainability						Related RDT&E PEs:			
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
Modification Item 1 of 1: DP/SP													
A Kits													
Recurring													
DP/SP:INSTALL KITS Group A (Active)	- / -	2 / 1.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.550	
Subtotal: Recurring	- / -	- / 1.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.550	
B Kits													
Recurring													
DP/SP:EQUIPMENT Group B (Active)	- / -	2 / 14.670	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 14.670	
Subtotal: Recurring	- / -	- / 14.670	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.670	
Subtotal: DP/SP	- / -	- / 16.220	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.220	
Subtotal: Procurement, All Modification Items	- / -	- / 16.220	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.220	
Installation													
Modification Item 1 of 1: DP/SP	- / -	- / -	1 / 25.252	1 / 9.258	- / -	1 / 9.258	- / -	- / -	- / -	- / -	- / -	2 / 34.510	
Subtotal: Installation	- / -	- / -	1 / 25.252	1 / 9.258	- / -	1 / 9.258	- / -	- / -	- / -	- / -	- / -	2 / 34.510	
Total													
Total Cost (Procurement + Support + Installation)	-	16.220	25.252	9.258	-	9.258	-	-	-	-	-	50.730	

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Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8	P-1 Line Item Number / Title: 838010 / Comm Elect Mods	Modification Number / Title: 2 / P-3A BMEWS DP/SP Suite Replacement (formerly SGI Replacement)

Modification Item 1 of 1: DP/SP

Manufacturer Information

Manufacturer Name: Exelis	Manufacturer Location: Colorado Springs, CO
Administrative Leadtime (in Months): 4	Production Leadtime (in Months): 3

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jun 2015						
Delivery Dates	Dec 2016						

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	1 / 25.252	1 / 9.258	- / -	1 / 9.258	- / -	- / -	- / -	- / -	- / -	2 / 34.510
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	1 / 25.252	1 / 9.258	- / -	1 / 9.258	- / -	- / -	- / -	- / -	- / -	2 / 34.510

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	2

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 8								P-1 Line Item Number / Title: 838010 / Comm Elect Mods							Aggregated Items Title: Shared Early Warning (SEW)				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Shared Early Warning Systems (SEWS) (PE 0308699F)	A		-	-	0.298	0.276	1	0.276	0.329	1	0.329	0.220	1	0.220	-	-	-	0.220	1	0.220
Secondary Distribution																				
AF				-	-		1	0.276		1	0.329		1	0.220		-	-		1	0.220
Subtotal: Uncategorized			-	-	0.298	-	-	0.276	-	-	0.329	-	-	0.220	-	-	-	-	-	0.220
Total			-	-	0.298	-	-	0.276	-	-	0.329	-	-	0.220	-	-	-	-	-	0.220

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost					
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)			
Uncategorized																							
Shared Early Warning Systems (SEWS) (PE 0308699F)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Secondary Distribution																							
AF			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 2: Personal Safety & Rescue Equip						P-1 Line Item Number / Title: 842140 / Night Vision Goggles						
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	3.640	13.342	2.370	3.580	5.950	1.391	1.409	1.432	1.455	-	28.619
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	3.640	13.342	2.370	3.580	5.950	1.391	1.409	1.432	1.455	-	28.619
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	3.640	13.342	2.370	3.580	5.950	1.391	1.409	1.432	1.455	-	28.619
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Description: FY15 funding total includes \$.765M appropriated for Overseas Contingency Operations. Modern warfare resulted in an increase in airborne combat under the cover of darkness. Night missions include ground operations, preparation of the aircraft for take-off and landings in complete darkness, lights-off air refueling, and visual identification of enemy targets hidden under the night sky. Consequently, ground personnel and aircrew require the capability to see in very low visibility conditions at night and high ambient light conditions such as full moon or heavily lighted residential areas. The use of Night Vision Goggles (NVG) is critical for combat rescue, special operations, and homeland security missions. A lack of night vision capability would significantly decrease combat effectiveness in night operations, risk flight safety, and increase the probability of fratricide. Aircraft such as HH-60 helicopters, HC-130s, F-16s, and special mission C-130s primarily operate in low altitude environments during covert night operations. Hence, NVGs are vital to the success of these missions, providing a dramatic increase in safety, situational awareness, and survivability during the execution of near daytime tactics, including visual formation criteria. Furthermore, the proliferation of NVG-equipped adversaries underscores the urgent need to supply ground and air forces with night vision equipment. Funding for this exhibit contained in Program Elements (PEs) 0702833F, 0207227F, 0202834F, and 0207588F. Ground crew Goggles: AN/PVS-14 Ground crew Goggle: This monocular night vision device is a hand-held, head-mounted, helmet-mounted, or weapon-mounted night vision system, which enables walking, weapon firing, short-range surveillance, map reading, vehicle maintenance, and first-aid administration during moonlight and starlight conditions. The AN/PVS-14 supports a vast spectrum of ground and air operations to include aircraft maintenance, civil engineering, emergency response, security, and other missions. AN/PVS-15 Ground crew Goggle: This binocular NVG is a helmet-mounted or hand-held night vision system, which is primarily used by Special Forces during night drop operations. The AN/PVS-15 can be used for all nighttime ground operations. An added benefit of this particular binocular goggle is the back-up capability in the event one of the two tubes fails. Fusion Goggle - Enhanced (FGE): The FGE is a helmet mounted dual waveband goggle which will increase identification and discrimination of combatants in most battlefield conditions and light levels through the use of image intensification fused with thermal imagery.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 2: Personal Safety & Rescue Equip						P-1 Line Item Number / Title: 842140 / Night Vision Goggles			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:			

Aircrew Goggles:

AN/AVS-9 (F4949G-TG) Aircrew Goggle: This night vision goggle provides aircraft and ground personnel with the capability to see the horizon, terrain features and enemy ground fire, thereby reducing the potential for air-to-ground fratricide and mid-air collisions during night operations. The AN/AVS-9 (F4949-TG) is a light-weight, helmet-mounted goggle equipped with pinnacle tube technology that mitigates effects of sudden bright light exposure.

Test Sets:

ANV-20/20 Test Set, Infinity Focus: The ANV-20/20 is a portable instrument, which allows quick and accurate evaluation and adjustment of all goggle parameters. All NVGs require operational checkout.

ANV-126A Test Set, Infrared Viewer: The ANV-126A is a commercial upgrade to the ANV-126, which is suitable for field operational checks and depot level NVG maintenance. This test set provides accurate checks for NVG resolution, gain, power drain, binocular goggle collimation, image quality, and image distortion. The ANV-126A uses state of the art technology and provides enhanced capabilities to the user.

ANV-126A-UGF Test Set, Time Compliance Technical Order (TCTO) Kit: The ANV-126A-UGF is a commercial TCTO kit that converts the ANV-126 to the ANV-126A Test Set.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), capabilities under this line item are necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and military support to civil authorities. Projected allocations for reserve component requirements are subject to total force demand priorities.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.127	9.460	1.415	3.580	4.995	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.363	2.714	0.716	-	0.716	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.150	1.168	0.239	-	0.239	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.640	13.342	2.370	3.580	5.950	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 2: Personal Safety & Rescue Equip					P-1 Line Item Number / Title: 842140 / Night Vision Goggles			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
GROUNDCREW GOGGLES	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
GROUNDCREW GOGGLE (AN/PVS-14)	P-40a	A	- / -	491 / 1.003	2,477 / 7.355	282 / 0.850	- / -	282 / 0.850
FUSION GOGGLE- ENHANCED (FGE)	P-40a	A	- / -	69 / 2.430	172 / 2.409	17 / 0.801	76 / 3.580	93 / 4.381
AIRCREW GOGGLES	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
AIRCREW GOGGLE AN/AVS-9 (F4949G-TG)	P-40a	A	- / -	22 / 0.109	433 / 2.223	- / -	- / -	- / -
TEST SETS	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
TEST SET, INFRARED VIEWER (ANV-126A)	P-40a	A	- / -	2 / 0.066	24 / 0.805	- / -	- / -	- / -
TEST SET, TCTO KIT (ANV-126A-UGF)	P-40a	A	- / -	2 / 0.032	40 / 0.528	45 / 0.696	- / -	45 / 0.696
PMA Other Government Cost	P-40a	A	- / -	- / -	- / 0.022	- / 0.023	- / -	- / 0.023
Total Gross/Weapon System Cost			- / -	- / 3.640	- / 13.342	- / 2.370	- / 3.580	- / 5.950
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
<p>Justification:</p> <p>FY16 procurement dollars in the amount of \$2.370M procures 283 each PVS-14 Groundcrew Goggles, 17 each Fusion Goggle-Enhanced (FGE), 45 each ANV-126A-UGF TCTO Kits, and PMA dollars in support of installation and unit mission requirements for Air Force Personnel.</p> <p>FY16 OCO dollars in the amount of \$3.580M procures 76 each Fusion Goggle-Enhanced (FGE) in support of installation and unit mission requirements for Air Force Personnel.</p>								

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 04 / 2							P-1 Line Item Number / Title: 842140 / Night Vision Goggles								Aggregated Items Title: Night Vision Goggles					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
GROUNDCREW GOGGLES	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GROUNDCREW GOGGLE (AN/ PVS-14)	A		-	-	-	0.002	491	1.003	0.003	2,477	7.355	0.003	282	0.850	-	-	-	0.003	282	0.850
Secondary Distribution																				
AF				-	-		286	0.584		1,677	4.915		52	0.158		-	-		52	0.158
AFNG				-	-		137	0.279		561	1.711		171	0.515		-	-		171	0.515
AFR				-	-		68	0.140		239	0.729		59	0.177		-	-		59	0.177
FUSION GOGGLE- ENHANCED (FGE)	A		-	-	-	0.035	69	2.430	0.014	172	2.409	0.047	17	0.801	0.047	76	3.580	0.047	93	4.381
Secondary Distribution																				
AF				-	-		69	2.430		172	2.409		17	0.801		76	3.580		93	4.381
AIRCREW GOGGLES	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AIRCREW GOGGLE AN/AVS-9 (F4949G-TG)	A		-	-	-	0.005	22	0.109	0.005	433	2.223	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		13	0.064		278	1.427		-	-		-	-		-	-
AFNG				-	-		7	0.035		102	0.524		-	-		-	-		-	-
AFR				-	-		2	0.010		53	0.272		-	-		-	-		-	-
TEST SETS	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEST SET, INFRARED VIEWER (ANV-126A)	A		-	-	-	0.033	2	0.066	0.034	24	0.805	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		1	0.033		13	0.436		-	-		-	-		-	-
AFNG				-	-		1	0.033		8	0.268		-	-		-	-		-	-
AFR				-	-		-	-		3	0.101		-	-		-	-		-	-
TEST SET, TCTO KIT (ANV-126A-UGF)	A		-	-	-	0.016	2	0.032	0.013	40	0.528	0.015	45	0.696	-	-	-	0.015	45	0.696
Secondary Distribution																				
AF				-	-		1	0.016		19	0.251		28	0.433		-	-		28	0.433
AFNG				-	-		1	0.016		16	0.211		13	0.201		-	-		13	0.201
AFR				-	-		-	-		5	0.066		4	0.062		-	-		4	0.062
PMA Other Government Cost	A		-	-	-	-	-	-	-	-	0.022	-	-	0.023	-	-	-	-	-	0.023
Secondary Distribution																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force																Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 04 / 2								P-1 Line Item Number / Title: 842140 / Night Vision Goggles								Aggregated Items Title: Night Vision Goggles			

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
AF				-	-		-	-		-	0.022		-	0.023		-	-		-	0.023
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	3.640	-	-	13.342	-	-	2.370	-	-	3.580	-	-	5.950
Total			-	-	-	-	-	3.640	-	-	13.342	-	-	2.370	-	-	3.580	-	-	5.950

Remarks:

Unit Costs for FY16 are estimated and are subject to change pending final contract negotiations.

FY15 funding total includes \$.765M for Overseas Contingency Operations to procure 251 AN/PVS-14s.

PMA - Other Government Cost consists of travel (\$23,000).

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 2: Personal Safety & Rescue Equip						P-1 Line Item Number / Title: 842990 / Items Less Than \$5 Million						
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0604706F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	24.566	31.209	79.623	3.407	83.030	40.790	35.550	31.340	33.323	-	279.808
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	24.566	31.209	79.623	3.407	83.030	40.790	35.550	31.340	33.323	-	279.808
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	24.566	31.209	79.623	3.407	83.030	40.790	35.550	31.340	33.323	-	279.808
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This program provides a wide variety of base support and safety of flight items for warfighters with worldwide application. Procures safety and rescue equipment, developed in Program Element (PE) 0604706F, Life Support Systems, for increased protection of aircrew personnel operating manned, non-space aircraft to optimize weapon system effectiveness and capability throughout the full spectrum of military operations. In general, the purpose of the PE is to expand the combat capabilities of a weapon system an airman supports while balancing functionality, comfort, and safety. Representative items include flight helmets, oxygen breathing equipment, flame resistant/retardant and blast protective gear, laser eye protection, personnel locator beacons, nuclear flash blindness devices, personnel parachutes, ejection seats/equipment, survival radio test sets, life rafts, life preservers, anti-exposure coveralls, and other air/ground crew equipment. Guardian Angel is an Air Force non-aircraft weapon system within the overarching Battlefield Airman Modernization Program. Guardian Angel is a family of systems based on human and equipment capabilities formulated to execute Air Force Combat Search and Rescue and personnel recovery across a full spectrum of military operations. Guardian Angel family of systems is employed by three distinct Air Force Specialties: Pararescuemen (PJ), Survival, Evasion, Resistance, and Escape (SERE) and Combat Rescue Officer (CRO). Representative items include but are not limited to parachute equipment, technical rescue equipment, information management systems, and rescue craft. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements. This includes applicable training, spares, and repairs. Funding for this exhibit contained in PEs 0207227F, 0702833F, and 0207001F. The FY2016 funding request was reduced by \$15,748 million to account for the availability of prior execution balances. Projected allocations for component requirements are subject to total force demands and priorities.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 2: Personal Safety & Rescue Equip					P-1 Line Item Number / Title: 842990 / Items Less Than \$5 Million			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0604706F		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Life Support Equipment	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
Aircrew Flight Equipment	P-40a	A	- / 0.000	- / 0.286	- / 0.300	- / 0.300	- / -	- / 0.300
Aircrew Laser Eye Protection (ALEP) Block 2: Day Variant	P-40a	A	- / 0.000	1,276 / 2.812	1,746 / 4.041	1,684 / 4.093	- / -	1,684 / 4.093
Aircrew Laser Eye Protection (ALEP) Block 2: Night Variant	P-40a	A	- / 0.000	710 / 1.875	972 / 2.694	938 / 2.728	- / -	938 / 2.728
Personnel Locator Beacon	P-40a	A	- / 0.000	- / -	- / -	6,972 / 27.888	- / -	6,972 / 27.888
Integrated Aircrew Ensemble (IAE)	P-40a	A	- / 0.000	- / -	- / -	948 / 14.214	- / -	948 / 14.214
Guardian Angel Equipment	P-40a	A	- / 0.000	- / -	- / -	- / -	- / 3.407	- / 3.407
Special Update Program	P-40a	A	- / -	- / -	- / -	- / 8.286	- / -	- / 8.286
Guardian Angel Family of Systems	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
Aerial Insertion Equipment	P-40a	A	- / -	- / 9.305	- / 9.756	- / 11.368	- / -	- / 11.368
Technical Recovery Equipment	P-40a	A	- / -	- / 1.000	- / 1.200	- / 1.361	- / -	- / 1.361
Medical Equipment	P-40a	A	- / -	- / 0.323	- / 0.350	- / 0.007	- / -	- / 0.007
Maritime Rescue Equipment	P-40a	A	- / -	- / 4.351	- / 4.400	- / 6.631	- / -	- / 6.631
Information Management Equipment	P-40a	A	- / -	- / 3.514	- / 6.785	- / 0.387	- / -	- / 0.387
SERE	P-40a	A	- / -	- / -	- / -	- / 1.259	- / -	- / 1.259
PMA	P-40a	A	- / -	- / 1.100	- / 1.683	- / 1.101	- / -	- / 1.101
Total Gross/Weapon System Cost			- / 0.000	- / 24.566	- / 31.209	- / 79.623	- / 3.407	- / 83.030
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
Justification: FY16 procurement dollars procure Aircrew Flight Equipment, Life Support Systems, and Guardian Angel equipment. The FY2016 OCO funding total of \$3.407M in PE 53133F supports the restock/resupply of mission equipment currently being used in Horn of Africa (HOA) and continued integration of GAWS systems into HC-130 and HH-60 Communications/Rescue systems.								

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 04 / 2								P-1 Line Item Number / Title: 842990 / Items Less Than \$5 Million							Aggregated Items Title: Items Less Than \$5 Million				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Life Support Equipment	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aircrew Flight Equipment	A		-	-	0.000	-	-	0.286	-	-	0.300	-	-	0.300	-	-	-	-	0.300	
Aircrew Laser Eye Protection (ALEP) Block 2: Day Variant	A		-	-	0.000	0.002	1,276	2.812	0.002	1,746	4.041	0.002	1,684	4.093	-	-	-	0.002	1,684	4.093
Aircrew Laser Eye Protection (ALEP) Block 2: Night Variant	A		-	-	0.000	0.003	710	1.875	0.003	972	2.694	0.003	938	2.728	-	-	-	0.003	938	2.728
Personnel Locator Beacon	A		-	-	0.000	-	-	-	-	-	-	0.004	6,972	27.888	-	-	-	0.004	6,972	27.888
Integrated Aircrew Ensemble (IAE)	A		-	-	0.000	-	-	-	-	-	-	0.015	948	14.214	-	-	-	0.015	948	14.214
Guardian Angel Equipment	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	3.407	-	-	3.407
Special Update Program	A		-	-	-	-	-	-	-	-	-	-	-	8.286	-	-	-	-	-	8.286
Guardian Angel Family of Systems	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aerial Insertion Equipment	A		-	-	-	-	-	9.305	-	-	9.756	-	-	11.368	-	-	-	-	-	11.368
Technical Recovery Equipment	A		-	-	-	-	-	1.000	-	-	1.200	-	-	1.361	-	-	-	-	-	1.361
Medical Equipment	A		-	-	-	-	-	0.323	-	-	0.350	-	-	0.007	-	-	-	-	-	0.007
Maritime Rescue Equipment	A		-	-	-	-	-	4.351	-	-	4.400	-	-	6.631	-	-	-	-	-	6.631
Information Management Equipment	A		-	-	-	-	-	3.514	-	-	6.785	-	-	0.387	-	-	-	-	-	0.387
SERE	A		-	-	-	-	-	-	-	-	-	-	-	1.259	-	-	-	-	-	1.259
PMA	A		-	-	-	-	-	1.100	-	-	1.683	-	-	1.101	-	-	-	-	-	1.101
Subtotal: Uncategorized			-	-	0.000	-	-	24.566	-	-	31.209	-	-	79.623	-	-	3.407	-	-	83.030
Total			-	-	0.000	-	-	24.566	-	-	31.209	-	-	79.623	-	-	3.407	-	-	83.030

Remarks:

1. Guardian Angel: This effort consists of multiple quantity purchases of Technical Rescue, Maritime Rescue Equipment, Information Management, Personal Protection, Visual Augmentation and SONAR equipment with an aggregate cost in each Fiscal Year.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 3: Depot Plant+Mtrls Handling Eq						P-1 Line Item Number / Title: 843050 / Mechanized Material Handling Equip						
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	6.157	7.670	7.249	-	7.249	7.406	8.201	8.288	8.440	-	53.411
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	6.157	7.670	7.249	-	7.249	7.406	8.201	8.288	8.440	-	53.411
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	6.157	7.670	7.249	-	7.249	7.406	8.201	8.288	8.440	-	53.411
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The Mechanized Material Handling Equipment line provides funding for Mechanized Material Handling Systems (MMHS) and Storage Aids Systems (SAS). MMHS and SAS equipment provide bases worldwide with automated and static equipment to store, receive, and ship material. MMHS and SAS equipment involves the design and acquisition of mechanized and non-mechanized material handling systems such as receiving, storage, and distribution systems; high density storage systems; and a variety of SAS equipment including racks, bin shelving, modular cabinets, and mezzanines. Transportation systems generally include equipment such as heavy duty freight handling 463L conveyors, pallet buildup/breakdown lift conveyor stations, cargo staging racks, and overhead bridge cranes for air freight terminal systems; roller conveyors and overhead cranes for aerial delivery facility systems; narrow aisle vehicle replacements; and external aircraft fuel tank storage systems. Adequately equipped facilities are essential to the storage and handling of weapon system components, and the processing of personnel, baggage, and freight to reduce pipeline time and to provide Air Force capability to respond to crises and threats whenever they occur in the world. The FY2016 funding request was reduced by \$0.077 million to account for the availability of prior execution balances. Program elements associated with this P-1Line are 022834F, 072834F, 082834F, 042834F, 052834F, 052844F, 0207597F, and 0401221F.												
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020		
AF	Quantity	-	-	-	-	-	-	-	-	-		
	Total Obligation Authority	4.183	4.725	4.249	-	4.249	-	-	-	-		
AFNG	Quantity	-	-	-	-	-	-	-	-	-		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 3: Depot Plant+Mtrls Handling Eq					P-1 Line Item Number / Title: 843050 / Mechanized Material Handling Equip					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:				Other Related Program Elements:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
	Total Obligation Authority	1.974	2.645	2.600	-	2.600	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.300	0.400	-	0.400	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	6.157	7.670	7.249	-	7.249	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 3: Depot Plant+Mtrls Handling Eq				P-1 Line Item Number / Title: 843050 / Mechanized Material Handling Equip				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
EXTERNAL ACFT FUEL TANK STORAGE SYSTEM	P-40a	A	- / -	- / -	- / -	1 / 2.000	- / -	1 / 2.000
BRIDGE CRANE	P-40a	A	- / -	1 / 0.179	- / -	1 / 0.300	- / -	1 / 0.300
CONVEYOR	P-40a	A	- / -	- / -	2 / 0.580	- / -	- / -	- / -
HIGH DENSITY STORAGE SYSTEM	P-40a	A	- / -	4 / 1.454	4 / 1.485	4 / 1.200	- / -	4 / 1.200
NARROW AISLE EQUIPMENT REPLACEMENT	P-40a	A	- / -	- / -	- / -	1 / 0.333	- / -	1 / 0.333
RECEIVING, STORAGE & DISTRIBUTION SYSTEM	P-40a	A	- / -	1 / 0.425	1 / 0.350	- / -	- / -	- / -
STORAGE AIDS SYSTEM	P-40a	A	- / -	19 / 4.099	20 / 5.255	15 / 3.416	- / -	15 / 3.416
Total Gross/Weapon System Cost			- / -	- / 6.157	- / 7.670	- / 7.249	- / -	- / 7.249
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:

FY16 procurement funds MMHS/SAS equipment which increases the productivity of Air Force operations, enhances management control of assets, reduces multiple handling of logistics material by consolidating assets, increases flexibility at a minimum investment cost, enhances safety, reduces losses due to damage of materials in transport, and reduces congestion and delays in the receiving, storage and issue operations in supply, base level maintenance, and transportation facilities. Also provides critical support for mission readiness of F-16 realignment, and F-22, F-35, and KC-46A beddown of assets through the use of MMHS/SAS equipment.

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.

MMHE is identified on the attached P-40A and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 04 / 3							P-1 Line Item Number / Title: 843050 / Mechanized Material Handling Equip								Aggregated Items Title: Mechanized Material Handling Equip					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
EXTERNAL ACFT FUEL TANK STORAGE SYSTEM	A		-	-	-	-	-	-	-	-	-	2.000	1	2.000	-	-	-	2.000	1	2.000
Secondary Distribution																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
AFNG				-	-		-	-		-	-		1	2.000		-	-		1	2.000
BRIDGE CRANE	A		-	-		0.179	1	0.179	-	-	-	0.300	1	0.300	-	-	-	0.300	1	0.300
Secondary Distribution																				
AF				-	-		1	0.179		-	-		1	0.300		-	-		1	0.300
CONVEYOR	A		-	-	-	-	-	-	0.290	2	0.580	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		-	-		1	0.450		-	-		-	-		-	-
AFNG				-	-		-	-		1	0.130		-	-		-	-		-	-
HIGH DENSITY STORAGE SYSTEM	A		-	-	-	0.363	4	1.454	0.371	4	1.485	0.300	4	1.200	-	-	-	0.300	4	1.200
Secondary Distribution																				
AF				-	-		1	0.255		2	1.050		3	0.800		-	-		3	0.800
AFNG				-	-		3	1.199		1	0.135		-	-		-	-		-	-
AFR				-	-		-	-		1	0.300		1	0.400		-	-		1	0.400
NARROW AISLE EQUIPMENT REPLACEMENT	A		-	-	-	-	-	-	-	-	-	0.333	1	0.333	-	-	-	0.333	1	0.333
Secondary Distribution																				
AF				-	-		-	-		-	-		1	0.333		-	-		1	0.333
RECEIVING, STORAGE & DISTRIBUTION SYSTEM	A		-	-	-	0.425	1	0.425	0.350	1	0.350	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		1	0.425		1	0.350		-	-		-	-		-	-
STORAGE AIDS SYSTEM	A		-	-	-	0.216	19	4.099	0.263	20	5.255	0.228	15	3.416	-	-	-	0.228	15	3.416
Secondary Distribution																				
AF				-	-		15	3.324		13	2.875		14	2.816		-	-		14	2.816
AFNG				-	-		4	0.775		7	2.380		1	0.600		-	-		1	0.600
Subtotal: Uncategorized			-	-	-	-	-	6.157	-	-	7.670	-	-	7.249	-	-	-	-	-	7.249
Total			-	-	-	-	-	6.157	-	-	7.670	-	-	7.249	-	-	-	-	-	7.249

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 04 / 3	P-1 Line Item Number / Title: 843050 / Mechanized Material Handling Equip	Aggregated Items Title: Mechanized Material Handling Equip

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity:
3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment

P-1 Line Item Number / Title:
845010 / Base Procured Equipment

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

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	10.994	16.155	9.095	-	9.095	7.569	7.956	8.383	8.541	-	68.693
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	10.994	16.155	9.095	-	9.095	7.569	7.956	8.383	8.541	-	68.693
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	10.994	16.155	9.095	-	9.095	7.569	7.956	8.383	8.541	-	68.693

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Base Procured Equipment:

Organizations throughout the Air Force acquire authorized investment equipment from the General Services Administration, Defense Logistics Agency, and commercial sources when these items exceed \$250,000 in cost or are unavailable through Air Force central procurement. Examples of equipment in this P-1 line typically include equipment and/or specialized tools for road and ground maintenance; vehicle maintenance; vehicle corrosion control; civil engineering maintenance; electrical and carpentry shops; specialized laboratories; kitchen and dining facilities; printing plants; microfilm, graphics support facilities; training ranges; uninterruptible power supply systems, physiological trainers to include, but are not limited to Barney Chairs, Altitude Chambers, Spatial Disorientation Trainers, Hypoxia Familiarization Trainers and Part Task Trainers, Reduced Oxygen Breathing Devices, Terrain Boards, Parachuting Trainers, Aircrew Exercise Equipment.

Power Conditioning & Continuation Interfacing Equipment (PCCIE):

The PCCIE Program Office procures, replaces and modernizes uninterruptible power supply (UPS) systems to meet Air Force requirements. Many of these systems have exceeded the life expectancy of 12-15 years. The PCCIE program is structured into small projects (less than 125 kilovolt amps (kva)) and large projects (greater than 125 kva) and includes associated ancillary equipment.

PEs associated with this P-1 Line are: 0202834F, 0205219F, 0208534F, 0305534F, 0402834F, 0502834F, 0502844F, 0702834F, 0802834F, 0804721F, 0804731F, 0804743F, 0804752F, 0808534F, 0901212F

Projected allocations for Reserve Component Requirements (subject to Total Force demand and priority).

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity:
3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment

P-1 Line Item Number / Title:
845010 / Base Procured Equipment

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BASE PROCURED EQUIPMENT	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
AF CIVIL ENGR SPT AGENCY	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
AF SPACE CMD	P-40a	A	- / -	- / 0.293	- / -	- / 1.590	- / -	- / 1.590
AIR COMBAT CMD	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
AIR EDUCATION & TRAINING CMD	P-40a	A	- / -	- / 5.062	- / 7.841	- / 3.055	- / -	- / 3.055
PACIFIC AIR FORCES	P-40a	A	- / -	- / -	- / 2.030	- / -	- / -	- / -
US AIR FORCES EUROPE	P-40a	A	- / -	- / 0.348	- / -	- / -	- / -	- / -
US AIR FORCE ACADEMY	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
AIR FORCE MATERIEL CMD	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
PCCIE	P-40a	A	- / -	- / 5.291	- / 6.284	- / 4.450	- / -	- / 4.450
AIR FORCE GLOBAL STRIKE CMD	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
AIR FORCE WIDE/PCCIE	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / -	- / 10.994	- / 16.155	- / 9.095	- / -	- / 9.095

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:

Base Procured Equipment:

PE 84731F - FY2016 funds procure:

a). Keesler Trainer/Simulator for Expeditionary Combat Support Radio Course: TS-4528A/U Multi-Channel DOCCT/S System (2x 3U), Two Channel, Lab/Class Local RF; Includes redundant power supply, training & IW Phase II channel control capability. This item simulates a UHF satellite terminal control station as well as the satellite system itself. It enables two-satellite ground terminals to establish a connection and pass data and voice communications to each other. It is used to certify objective completion in the Expeditionary Combat Support Radio course.

b). Goodfellow AFB Fire Training Burn Trainers: New Fire Cause and Fire Inspection Trainers, Structural Burn Training Fire Box and SBCA Compressor and Air Pack Fill Station Replacement.

c). Parachute System for Pararescue and Combat Rescue Officer training (Lackland AFB): Purchase of RamAir (RA-1) Parachute System

PE 84743F - FY2016 funds procure two Spatial Disorientation Trainers to include funding for site survey, spare packages, initial training and maintenance package and PMA for Directorate

PE 84752F - FY2016 funds procure Laboratory equipment for AF Institute of Technology. In FY16 they plan to buy a Satellite/Space Assembly, Horiba Raman Microscope System and a 3D Printer.

Power Conditioning & Continuation Interfacing Equipment (PCCIE):

The new systems collectively satisfy critical user requirements and will:

1. Reduce overall footprint and weight by 50-60%.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment		P-1 Line Item Number / Title: 845010 / Base Procured Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<div>2. Reduce operating and sustainment costs by 30%-50%.</div> <div>3. Reduce acquisition costs as it applies to installation since many newer systems consist of more internal pre-wiring.</div> <div>4. Lower parts count dramatically improves reliability by reducing the potential points of failure within the system.</div> <div>5. Produce greater energy savings and higher operating efficiency in all configurations, typically between 92% and 93.5%; with all types of loads.</div> <div>The Uninterruptible Power Supply (UPS) systems protect sensitive electronic equipment/systems such as command and control centers, intelligence missions, radars, etc.</div>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 04 / 5								P-1 Line Item Number / Title: 845010 / Base Procured Equipment							Aggregated Items Title: Base Procured Equipment				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total						
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)				
Uncategorized																								
BASE PROCURED EQUIPMENT	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
AF CIVIL ENGR SPT AGENCY	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
AF SPACE CMD	A		-	-	-	-	-	0.293	-	-	-	-	-	1.590	-	-	-	-	-	1.590				
AIR COMBAT CMD	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
AIR EDUCATION & TRAINING CMD	A		-	-	-	-	-	5.062	-	-	7.841	-	-	3.055	-	-	-	-	-	3.055				
PACIFIC AIR FORCES	A		-	-	-	-	-	-	-	-	2.030	-	-	-	-	-	-	-	-	-				
US AIR FORCES EUROPE	A		-	-	-	-	-	0.348	-	-	-	-	-	-	-	-	-	-	-	-				
US AIR FORCE ACADEMY	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
AIR FORCE MATERIEL CMD	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PCCIE	A		-	-	-	-	-	5.291	-	-	6.284	-	-	4.450	-	-	-	-	-	4.450				
AIR FORCE GLOBAL STRIKE CMD	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
AIR FORCE WIDE/ PCCIE	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Subtotal: Uncategorized			-	-	-	-	-	10.994	-	-	16.155	-	-	9.095	-	-	-	-	-	9.095				
Total			-	-	-	-	-	10.994	-	-	16.155	-	-	9.095	-	-	-	-	-	9.095				

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment							P-1 Line Item Number / Title: 845100 / ENGINEERING AND EOD EQUIPMENT					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0205671F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	15.736	116.334	17.866	46.790	64.656	8.350	9.502	10.388	10.475	-	235.441
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	15.736	116.334	17.866	46.790	64.656	8.350	9.502	10.388	10.475	-	235.441
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	15.736	116.334	17.866	46.790	64.656	8.350	9.502	10.388	10.475	-	235.441
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>FY16 OCO funding will procure Counter Radio-Controlled Improvised Explosive Device Electronic Warfare (CREW) Mounted and Dismounted systems. CREW devices are self-protection systems critical to Mine Resistant, Ambush Protected (MRAP) vehicle mounted, EOD dismounted and Entry Control Point operations.</p> <p>FY16 Baseline Funding: Program elements associated with this P-1 Line are: PEC 0204424F (Explosive Ordnance Disposal Forces)for \$2.917M, PEC 0208028F (Airfield Damage Repair - ADR) for \$5.412M, and PEC 0208550F Agadez Infrastructure Equipment for \$9.537M P-1 Line Item Nomenclature:</p> <p>EDO - Contingency Operations was changed to Engineer and EOD Equipment is part of the Agile Combat Support framework and provides integrated capabilities to support general engineering and Explosive Ordnance Disposal (EOD) operations supporting aircraft deployment, launch, recovery, and regeneration at air bases worldwide and supports multiple EOD operational mission areas. Air Force Civil Engineering Readiness' top priorities are to safely perform reconnaissance, locate and neutralize unexploded explosive ordnance (UXO), and accomplish damage assessment.</p> <p>The Airfield Damage Repair (ADR) program provides civil engineers specialized airfield damage repair equipment/materials to rapidly repair and recover airfields after attack. Protection capabilities, including EOD operations, are increasingly vital in protecting personnel, aircraft, and other critical resources both at home and abroad. In addition to wartime operations, EOD supports global contingencies for force protection, relief efforts, and special operations. Capabilities provided by robotics programs are crucial in reducing time and danger when investigating and eliminating explosive hazards.</p> <p>The Agadez Infrastructure Equipment will be used to procure HESCO Barriers, Tent Flooring, Solar Airfield Lighting, Portable Guard Booth and Guard Tower. USAFRICOM has directed AFAFRICA provide airfield infrastructure to enable beddown of aircraft to support operations in western Africa. USAFICOM has negotiated an agreement with the Government of Niger to allow for the construction of a new runway an all associated pavement, facilities and infrastructure adjacent to the Niger Armed Force's Base Aerienne 201 (Airbase 201) south of the city of Agadez.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment	P-1 Line Item Number / Title: 845100 / ENGINEERING AND EOD EQUIPMENT
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0205671F		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
CVRJ CREW Refurbishment	P-40a	A	- / -	- / -	817 / 6.580	- / -	- / -	- / -
JCREW Dismounted Systems	P-40a	A	- / -	- / -	215 / 25.150	- / -	110 / 10.830	110 / 10.830
JCREW Mounted Systems	P-40a	A	- / -	- / -	109 / 23.490	- / -	212 / 35.959	212 / 35.959
JCREW Fixed Site Systems	P-40a	A	- / -	- / -	18 / 8.120	- / -	- / -	- / -
CREW Universal Test Sets	P-40a	A	- / 0.000	- / -	- / -	- / -	- / -	- / -
FRS (EOD X-RAY)	P-40a	A	- / -	105 / 8.426	94 / 7.516	- / -	- / -	- / -
Total Containment Vessel	P-40a	A	- / -	- / -	10 / 3.250	- / -	- / -	- / -
Base Support Emergency Response Transport	P-40a	A	- / -	7 / 2.450	10 / 3.500	- / -	- / -	- / -
Fuze Disassembly System, Explosive Ordnance Disposal	P-40a	A	- / -	2 / 0.160	- / -	- / -	- / -	- / -
Light Tactical Trailers	P-40a	A	- / -	- / -	- / -	30 / 0.510	- / -	30 / 0.510
EOD-M Program - Ordnance Locator	P-40a	A	- / -	- / -	- / -	14 / 0.377	- / -	14 / 0.377
EOD-M IED Search Kits	P-40a	A	- / -	- / -	- / -	100 / 0.600	- / -	100 / 0.600
EOD-M Dismounting Toolsets	P-40a	A	- / -	- / -	- / -	24 / 0.240	- / -	24 / 0.240
EOD-M PowerHawk Robot Attachment	P-40a	A	- / -	- / -	- / -	30 / 1.190	- / -	30 / 1.190
EOD-M Mini Remote Firing Device	P-40a	A	- / -	- / -	- / -	- / -	- / -	- / -
RECOVERY REPAIR KIT (Training/Small Sized)	P-40a	A	- / -	1 / 0.700	4 / 0.675	3 / 1.305	- / -	3 / 1.305
RECOVERY REPAIR KIT - R1 (Medium Sized Kit)	P-40a	A	- / -	2 / 2.000	6 / 1.749	1 / 1.262	- / -	1 / 1.262
RECOVERY REPAIR KIT - R2 (Large Size Kit)	P-40a	A	- / -	1 / 2.000	2 / 0.584	- / -	- / -	- / -
RECOVERY REPAIR KIT - R3 (Very Large Size Kit)	P-40a	A	- / -	- / -	1 / 0.219	1 / 2.845	- / -	1 / 2.845
RADBO Equipment, Integration, & Spares Kits	P-40a	A	- / -	- / -	14 / 35.500	- / -	- / -	- / -
Support Agadez Infrastructure - IT Service Mgmt Services	P-40a	A	- / -	- / -	- / -	1 / 9.537	- / -	1 / 9.537
Total Gross/Weapon System Cost			- / -	- / 15.736	- / 116.334	- / 17.866	- / 46.790	- / 64.656

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:

FY16 baseline procurement dollars procures EOD specialized equipment and Airfield Damage Repair Kits.

- FY16 Funding not requested: Compact and Portable Radiographic Systems: Explosive Ordnance Disposal (EOD) teams use radiographic systems to diagnose, identify, and help determine neutralization procedures during explosive related incidents, which present a threat to operations, installations, personnel or materiel. Current EOD counter-improvised explosive device x-ray equipment is becoming obsolete. Film and processors are no longer manufactured for use with current systems which forces the team to rely on aging digital imaging systems. Current systems are bulky, inflexible and do not take advantage of current technologies. .

- FY16 funding procures Light Tactical Trailers. Light Tactical Trailers: Recent lessons learned from deployments highlighted the need to break down the lead UTC into a team UTC which drove an increased requirement for trailers.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment		P-1 Line Item Number / Title: 845100 / ENGINEERING AND EOD EQUIPMENT
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0205671F
<p>- FY16 Funding procures multiple EOD line items. EOD Modernization (EOD-M) program: EOD-M program acquires capabilities for EOD operations to support multiple mission areas in Counter-IED, unexploded explosive ordnance and discarded military munitions response, aircraft incident response, nuclear weapons incident/accident response, countering WMD, and Defense Support to Civil Authorities and other mission areas:</p> <p>-- Advanced Ordnance Locator: Provides the capability to locate non-ferrous and ferrous ordnance items deeply buried.</p> <p>-- IED Search Kits: Multipurpose kit that provides non-explosive mechanical capabilities to remotely and non-energetically open packages and vehicle compartments.</p> <p>-- Disarming/Disruptor Toolsets: Provides the capability to render safe small firing devices and fuzes by means of a mechanical, explosively initiated system, as well as cutting, penetration of, and the withdrawal of fuze components. Also provides a water disruption capability to neutralize</p> <p>-- Jaws of Life Robot Attachment: Multi-purpose interchangeable spreader & cutter tool that uses non-energetic methods for responding to various threats and operations including VBIED, PBIED, suspicious packages and devices and mounting to an Unmanned Ground System.</p> <p>FY16 funding not requested. Total Containment Vessel (TCV) is a Self-contained bomb containment system capable of repeatedly containing the overpressure and fragmentation (within the vessel) associated with the detonation of high explosives (HE) and or improvised explosive devices (IED).</p> <p>FY16 funding not requested. Base Support Emergency Response Units provides EOD Flights a command standardized means to transport specialized EOD equipment and personnel in response to explosive emergencies and incidents involving IED/WMD's, aircraft (flight line), conventional munitions and aircraft mishaps. Also provides C2 capability for incident command and team leader operations.</p> <p>FY16 ADR procures support equipment items for the Major Repair component of Air Field Damage Repair Training/Small Size, Medium Sized (R-1), and Very Large Size (R-3) Kits. The support equipment items include ADR Tool Trailers (hand tools and small equipment items required for crater repair), Small Repair Kits (hand tools and saws for expeditious and semi-permanent repairs), Inclement Weather Kits (tools and materials to place rapid setting materials in cold, hot, and wet weather), water skids (provides supplemental weather for rapid setting materials), and light carts (support night operations). The Basic/Small kit is used to provide basic repair equipment/materials in order to repair approximately 18 small (10 ft diameter) craters or three, 25 diameter craters in 6.5 hours. Additional airfield damage can be repaired based on the availability of time and materials. Basic/Small kits will also be used at training locations. A Medium Kit repairs 54 small or three large (50 ft dia.) craters in 6.5 hours. A Very Large Kit 120 small or 12 large craters in 6.5 hours. This capability can be prepositioned or forward deployed to support recovery after attack or a single/multiple kits can be deployed to a forward operating base to repair varying degrees of airfield damage at a main operating base. Note, the decrement to the FY16 program amount from \$100.763M to \$5.412M because it was determined that much of the equipment and vehicles that are required to provide modernized ADR capability are typically procured through BP82 funds versus BP84 and a AFMC POM tax cut. Thus, realignments took place during the FY16 POM process.</p> <p>FY16 Agadez Electronic Communication funding procures Communication Electronic Support, Equipment, and Systems: \$180K for voice system - a comm electronics capability for siren and voice alerting/notification of airbase personnel for an area covering 300m X 150m; \$800K for antenna support which will interface with the satellite communications transmission medium--a 3.9 meter high gain satellite comm dish; \$11.3K for Military Post Office Equipment - Equipment only UTC, office furniture and equipment needed to establish the post office; \$1.6M for Theater Deployment Communication Core Equipment to provide activation of voice and data services. Provides a communication cafe with 8 each SIPERNET, NIPERNET, and voice capabilities (40 each) ; \$500K for Power & Refrigeration Equipment which will provide power and environmental control (refrigeration) for communications systems; \$3.5M for Theater Deployment Distribution Expansion - it augments the voice equipment to expand the communication infrastructure; \$1.1M for Theater Deployment Distribution Equipment to augment above two (2) UTCs to increase services for increments of approximately 600 personnel; and \$1.8M for Group Multiband Terminal--a satellite terminal that will enable communications.</p> <p>FY16 OCO funding:</p> <p>FY16 OCO funding will procure Counter Radio-Controlled Improvised Explosive Device Electronic Warfare (CREW) systems in the following quantities: 110 CREW Dismounted systems and 212 CREW Mounted systems. CREW devices are self-protected systems critical to Mine Resistant Ambush Protected (MRAP) vehicle mounted, EOD dismounted and Entry Control Point operations.</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 04 / 5								P-1 Line Item Number / Title: 845100 / ENGINEERING AND EOD EQUIPMENT							Aggregated Items Title: ENGINEERING AND EOD EQUIPMENT				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
CVRJ CREW Refurbishment	A		-	-	-	-	-	-	8,053.86	817	6.580	-	-	-	-	-	-	-	-	-
JCREW Dismounted Systems	A		-	-	-	-	-	-	116,976.74	215	25.150	-	-	-	98,458.00	110	10.830	98,458.00	110	10.830
JCREW Mounted Systems	A		-	-	-	-	-	-	215,504.59	109	23.490	-	-	-	169,620.00	212	35.959	169,620.00	212	35.959
JCREW Fixed Site Systems	A		-	-	-	-	-	-	451,111.11	18	8.120	-	-	-	-	-	-	-	-	-
CREW Universal Test Sets	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRS (EOD X-RAY)	A		-	-	-	80,247.62	105	8.426	79,957.45	94	7.516	-	-	-	-	-	-	-	-	-
Total Containment Vessel	A		-	-	-	-	-	-	325,000.00	10	3.250	-	-	-	-	-	-	-	-	-
Base Support Emergency Response Transport	A		-	-	-	350,000.00	7	2.450	350,000.00	10	3.500	-	-	-	-	-	-	-	-	-
Fuze Disassembly System, Explosive Ordnance Disposal	A		-	-	-	80,000.00	2	0.160	-	-	-	-	-	-	-	-	-	-	-	-
Light Tactical Trailers	A		-	-	-	-	-	-	-	-	-	17,000.00	30	0.510	-	-	-	17,000.00	30	0.510
EOD-M Program - Ordnance Locator	A		-	-	-	-	-	-	-	-	-	26,921.00	14	0.377	-	-	-	26,921.00	14	0.377
EOD-M IED Search Kits	A		-	-	-	-	-	-	-	-	-	6,000.00	100	0.600	-	-	-	6,000.00	100	0.600
EOD-M Diarming Toolsets	A		-	-	-	-	-	-	-	-	-	10,000.00	24	0.240	-	-	-	10,000.00	24	0.240
EOD-M PowerHawk Robot Attachment	A		-	-	-	-	-	-	-	-	-	39,670.00	30	1.190	-	-	-	39,670.00	30	1.190
EOD-M Mini Remote Firing Device	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RECOVERY REPAIR KIT (Training/Small Sized)	A		-	-	-	700,000.00	1	0.700	168,841.00	4	0.675	435,000.00	3	1.305	-	-	-	435,000.00	3	1.305
RECOVERY REPAIR KIT - R1 (Medium Sized Kit)	A		-	-	-	1,000K	2	2.000	291,569.00	6	1.749	1,262K	1	1.262	-	-	-	1,262K	1	1.262
RECOVERY REPAIR KIT - R2 (Large Size Kit)	A		-	-	-	2,000K	1	2.000	292,066.00	2	0.584	-	-	-	-	-	-	-	-	-
RECOVERY REPAIR KIT - R3 (Very Large Size Kit)	A		-	-	-	-	-	-	219,090.00	1	0.219	2,845K	1	2.845	-	-	-	2,845K	1	2.845

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 04 / 5								P-1 Line Item Number / Title: 845100 / ENGINEERING AND EOD EQUIPMENT							Aggregated Items Title: ENGINEERING AND EOD EQUIPMENT				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
RADBO Equipment, Integration, & Spares Kits	A		-	-	-	-	-	-	2,536K	14	35.500	-	-	-	-	-	-	-	-	-
Support Agadez Infrastructure - IT Service Mgmt Services	A		-	-	-	-	-	-	-	-	-	9,537K	1	9.537	-	-	-	9,537K	1	9.537
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	15.736	-	-	116.334	-	-	17.866	-	-	46.790	-	-	64.656
Total			-	-	-	-	-	15.736	-	-	116.334	-	-	17.866	-	-	46.790	-	-	64.656

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment							P-1 Line Item Number / Title: 845380 / Productivity Capital Investment					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	1.227	2.495	-	-	-	-	-	-	-	-	3.722
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	1.227	2.495	-	-	-	-	-	-	-	-	3.722
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	1.227	2.495	-	-	-	-	-	-	-	-	3.722
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description: FY15 funds Air Force Productivity Capital Investment (PCI) projects in the Productivity Investment Fund (PIF) program. Funds are available to all Air Force organizations to encourage productivity enhancements for more efficient operations, focus on labor cost savings, and reductions in unit costs of operations. This program conserves critical resources, enhances unit capability, and improves combat effectiveness.</p> <p>Program element associated with this line is 0901215F.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity:
3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment

P-1 Line Item Number / Title:
845380 / Productivity Capital Investment

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Air Force Wide Projects	P-40a	A	- / -	- / 1.227	- / 2.495	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / -	- / 1.227	- / 2.495	- / -	- / -	- / -

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:

FY15 procurement dollars will procure qualifying projects that must cost \$250,000 or more, and amortize in less than four years. Projects are approved based on shortest payback and highest rate of return on investment. Projects continue to yield life cycle savings of over \$3 for every \$1 invested. Productivity Capital Investments is an ongoing program.

Major Commands provide their own offsets from projected savings to sustain future investments for this program. This funding improves the capability to implement productivity improvements and enhancements in the work place, throughout the Air Force.

No Budget Year FY2016 funding requested.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 04 / 5								P-1 Line Item Number / Title: 845380 / Productivity Capital Investment							Aggregated Items Title: Productivity Capital Investment				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Air Force Wide Projects	A		-	-	-	-	-	1.227	-	-	2.495	-	-	-	-	-	-	-	-	
Subtotal: Uncategorized			-	-	-	-	-	1.227	-	-	2.495	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	1.227	-	-	2.495	-	-	-	-	-	-	-	-	

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment	P-1 Line Item Number / Title: 845420 / Mobility Equipment
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	77.859	120.434	61.850	0.400	62.250	8.214	8.453	9.597	9.768	-	296.575
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	77.859	120.434	61.850	0.400	62.250	8.214	8.453	9.597	9.768	-	296.575
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	77.859	120.434	61.850	0.400	62.250	8.214	8.453	9.597	9.768	-	296.575

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY14 funding total includes \$68M appropriated for Overseas Contingency Operations.

FY15 funding total includes \$107.361M appropriated for Overseas Contingency Operations.

This program funds procurement of Basic Expeditionary Airfield Resources (BEAR). It includes equipment to support the bed down of deployed forces (personnel, aircraft and support equipment) at austere and semi-austere locations. BEAR assets are a critical Agile Combat Support enabler for the Expeditionary Air Force. BEAR is composed of five types of air base capability packages: housekeeping, feeding, hygiene, power generation and flight line. Flight line packages consist of airfield lighting, aircraft hangars, fire stations, and numerous additional systems to support airfield operations. The program provides funding to procure new and replacement equipment items, and multi-media packages required to support BEAR training facilities at Silver Flag Sites, Regional Training Sites, Technical Schools, Technical Certification Centers, Services Combat Center Training, 49MMG, and Eagle Flag. Costs include inventory reconstitution, spares and consumables, repairs, and procurement of new equipment for upgrades or full UTC's replacement. BEAR demonstrated its critical role in support of Operations Enduring Freedom and other operations worldwide.

Program element associated with this P-1 Line is: 0401135F.

The AF continues to modernize major BEAR components to replace obsolete and inefficient items (e.g. Power Generation, Hygiene, Refrigeration,EALS, MAAS, Shelters, and Feeding):

Force Module Water System: Water System takes non-potable water and converts it into potable water. The system is modular and scalable in design and consists of Source Run, Water Production, Reverse Osmosis Water Purification Unit (ROWPU), Initial, Follow-on, and Industrial Operations, Flight line Extension, freeze protection, grey water recovery, pumping, piping, and storage equipment; applicable fittings; and other components such as fluid control valves.

Power System: Consists of prime and secondary power equipment which provides the capability to generate and distribute power to billeting, feeding, flight line and industrial operations at forward deployed sites. The primary power source for BEAR bed down locations is the BEAR Power Unit (BPU). The BPU is an 800 kilowatt (kW) Tier II compliant diesel generator. The power from the BPU is distributed through buried high voltage cabling and stepped down to facility power through the Secondary Distribution Center (SDC). The SDC is a 150 kilovolt-ampere (KVA) transformer capable of supporting twelve (12) billeting shelters via the Primary Distribution Panels (PDP).

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment		P-1 Line Item Number / Title: 845420 / Mobility Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>Expeditionary Airfield Lighting System (EALS): Light Emitting Diode (LED) and incandescent runway lighting system designed to be rapidly installed at contingency airfields and at other locations that need temporary airfield lighting. The lighting kit for runways includes runway edge and threshold lights, precision approach path indicator (PAPI), and strobe approach lights, distance to go marker lamps, taxi way lamps and battery-operated obstruction lights. The EALS also includes the generators, cables, control cables, transformers and regulators. The entire system is packaged on six (6) mobile trailers.</p> <p>Mobile Aircraft Arresting System: This air transportable barrier arresting Bak-12 mounted on a mobile trailer to accommodate the recovery of fighter aircraft returning to battle damaged airfield.</p> <p>Hygiene: Hygiene includes Shower, Shave and Latrine, and Self Help Laundry system which provides personal hygiene facilities in support of BEAR bases.</p> <p>Hygiene Shelters: Hygiene Shelters are designed to be used as changing rooms connecting to the BEAR Hygiene System. The shelters support personnel utilizing BEAR Hygiene Systems.</p> <p>Refrigeration: Refrigeration units designed for the carriage of deep frozen, frozen, chilled and general cargo by road, rail, air, and sea (above or below deck), suitable for austere environmental conditions. It is used to support the BEAR services, feeding and mortuary operations.</p> <p>Shelters: Shelters vary in sizes and are needed for billeting, kitchen, hygiene, and aircraft and equipment maintenance. Includes lighting, electrical equipment, environmental control units, remote area lighting, Shelter Flies, Shelter Flooring/matting for various shelter sizes, Shelter liners.</p> <p>Shelter Flooring: Shelter flooring varies in size for small and large shelters (ACH, LAMS, Mortuary).</p> <p>Feeding: BEAR Feeding includes kitchen and all applicable equipment. BEAR Feeding system provides the capability to prepare, and then serve, 500 meals over a two hour serving period, twice per day (24 hour period). The Feeding system is worldwide deployable and supports numerous basing options. This system supports initial mission requirements and follow-on high mobility feeding requirements for rapidly deployable mobility packages and other contingencies in all theaters of operation.</p> <p>10K Fuel Bladder: Collapsible, coated fabric fuel bladders are often used as an auxiliary fuel source for MEP generators. This is especially true for high fuel-consumption prime power generators.</p> <p>Training/Multi-Media Training - Provides BEAR and items for all training sites and funds for all required BEAR multi-media training requirements.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment	P-1 Line Item Number / Title: 845420 / Mobility Equipment
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Mobility Equipment	P-5, P-5a		- / -	- / 77.859	- / 120.434	- / 61.850	- / 0.400	- / 62.250
Total Gross/Weapon System Cost			- / -	- / 77.859	- / 120.434	- / 61.850	- / 0.400	- / 62.250

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

Justification:
FY16 funding procures Hygiene Systems, Hygiene Shelters, 10K Bladders, 9-2 Kitchens, Electric Expeditionary Kitchens (EEK), and PMA Contractor Services/PMA Other Government Costs in support of installation and unit mission requirements for Air Force Personnel.

FY16 OCO funding procures power generation equipment in support of installation and unit mission requirements for Air Force personnel.

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Exhibit P-5, Cost Analysis: PB 2016 Air Force												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 04 / 5						P-1 Line Item Number / Title: 845420 / Mobility Equipment						Item Number / Title [DODIC]: - / Mobility Equipment						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity <i>(Units in Each)</i>				-		-		-		-		-		-				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				-		77.859		120.434		61.850		0.400		62.250				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P1) <i>(\$ in Millions)</i>				-		77.859		120.434		61.850		0.400		62.250				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				-		77.859		120.434		61.850		0.400		62.250				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		
EALS ^(†)	-	-	-	500,000.00	5	2.500	-	-	-	-	-	-	-	-	-	-	-	-
POWER GENERATION ^(†)	-	-	-	563,447.06	85	47.893	607,500.00	74	44.955	-	-	-	50,000.00	8	0.400	50,000.00	8	0.400
HYGIENE ^(†)	-	-	-	388,000.00	45	17.460	400,000.00	87	34.800	400,000.00	67	26.800	-	-	-	400,000.00	67	26.800
HYGIENE SHELTER ^(†)	-	-	-	13,364.37	208	2.780	11,582.00	348	4.031	11,582.00	268	3.104	-	-	-	11,582.00	268	3.104
10K FUEL BLADDER ^(†)	-	-	-	-	-	-	-	-	-	14,000.00	30	0.420	-	-	-	14,000.00	30	0.420
Feeding - 9-2 ^(†)	-	-	-	500,000.00	2	1.000	500,000.00	47	23.500	470,750.00	45	21.184	-	-	-	470,750.00	45	21.184
Feeding - EEK ^(†)	-	-	-	-	-	-	250,000.00	41	10.250	250,000.00	30	7.500	-	-	-	250,000.00	30	7.500
Subtotal: Recurring Cost	-	-	-	-	-	71.633	-	-	117.536	-	-	59.008	-	-	0.400	-	-	59.408
Subtotal: Hardware - Hardware End Item Cost	-	-	-	-	-	71.633	-	-	117.536	-	-	59.008	-	-	0.400	-	-	59.408
Support - Support End Item Cost																		
NON RECURRING COST	-	-	-	-	-	3.000	-	-	-	-	-	-	-	-	-	-	-	-
PMA - OTHER GOVERNMENT COST	-	-	-	-	-	0.074	-	-	0.074	-	-	0.074	-	-	-	-	-	0.074
PMA- CONTRACTOR SERVICES	-	-	-	-	-	1.070	-	-	1.070	-	-	1.070	-	-	-	-	-	1.070
TRANSPORTATION	-	-	-	-	-	2.082	-	-	1.754	-	-	1.698	-	-	-	-	-	1.698

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Exhibit P-5, Cost Analysis: PB 2016 Air Force													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 04 / 5						P-1 Line Item Number / Title: 845420 / Mobility Equipment						Item Number / Title [DODIC]: - / Mobility Equipment						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Subtotal: Support - Support End Item Cost	-	-	-	-	-	6.226	-	-	2.898	-	-	2.842	-	-	-	-	-	2.842
Gross/Weapon System Cost	-	-	-	-	-	77.859	-	-	120.434	-	-	61.850	-	-	0.400	-	-	62.250
Remarks: Unit Costs for FY16 are assumed and subject to change. (†) indicates the presence of a P-5a																		

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Exhibit P-5a, Procurement History and Planning: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 04 / 5			P-1 Line Item Number / Title: 845420 / Mobility Equipment					Item Number / Title [DODIC]: - / Mobility Equipment				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
EALS		2014	GSA / Fort Worth, Texas	MIPR	WR/ALC	Sep 2014	Jun 2015	5	500,000.00	Y		
POWER GENERATION		2014	Cummins Power Generation Inc. / Minneapolis, MN	C / FFP	AFMC/WR-ALC	Sep 2014	Jun 2015	85	563,447.06	Y		
POWER GENERATION		2015	Cummins Power Generation Inc. / Minneapolis, MN	C / FFP	AFMC/WR-ALC	Sep 2015	Jun 2016	74	607,500.00	Y		
POWER GENERATION	✓	2016	Cummins Power Generation Inc. / Minneapolis, MN	C / FFP	AFMC/WR-ALC	Sep 2016	Jun 2017	8	50,000.00	Y		
HYGIENE		2014	Seabox Inc. / Cinnaminson, NJ	C / FFP	AFMC/WR-ALC	Jul 2014	Jan 2015	45	388,000.00	Y		
HYGIENE		2015	Seabox Inc. / Cinnaminson, NJ	C / FFP	AFMC/WR-ALC	Jul 2015	Jan 2016	87	400,000.00	Y		
HYGIENE		2016	Seabox, Inc. / Cinnaminson, NJ	C / FFP	AFMC/WR-ALC	Jul 2016	Jan 2017	67	400,000.00	Y		
HYGIENE SHELTER		2014	Alaska Structure Inc. / Gold Canyon, AZ	C / FFP	AFMC/WR-ALC	Sep 2014	Mar 2015	208	13,364.37	Y		
HYGIENE SHELTER		2015	Alaska Structure Inc. / Gold Canyon, AZ	C / FFP	AFMC/WR-ALC	Sep 2015	Sep 2016	348	11,582.00	Y		
HYGIENE SHELTER		2016	Alaska /structure Inc. / Gold Canyon, AZ	C / FFP	AFMC/WR-ALC	Sep 2016	Sep 2017	268	11,582.00	Y		
10K FUEL BLADDER		2016	UNKNOWN / UNKNOWN	C / FFP	AFMC/WR-ALC	Sep 2016	Jan 2017	30	14,000.00	Y		
Feeding - 9-2		2014	UNKNOWN / UNKNOWN	C / FFP	AFMC/WR-ALC	Mar 2015	Jan 2016	2	500,000.00	Y		
Feeding - 9-2		2015	UNKNOWN / UNKNOWN	C / FFP	AFMC/WR-ALC	Mar 2016	Sep 2017	47	500,000.00	Y		
Feeding - 9-2		2016	UNKNOWN / UNKNOWN	C / FFP	AFMC/WR-ALC	Mar 2017	Sep 2018	45	470,750.00	Y		
Feeding - EEK		2015	UNKNOWN / UNKNOWN	C / FFP	AFMC/WR-ALC	Mar 2015	Jan 2016	41	250,000.00	Y		
Feeding - EEK		2016	UNKNOWN / UNKNOWN	C / FFP	AFMC/WR-ALC	Mar 2016	Sep 2017	30	250,000.00	Y		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment	P-1 Line Item Number / Title: 845990 / Items Less Than \$5 Million
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	1.954	16.437	30.477	9.800	40.277	28.664	30.210	48.577	49.446	-	215.565
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	1.954	16.437	30.477	9.800	40.277	28.664	30.210	48.577	49.446	-	215.565
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	1.954	16.437	30.477	9.800	40.277	28.664	30.210	48.577	49.446	-	215.565
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY15 funding includes \$10.975M requested for Overseas Contingency Operations.

This program provides a wide variety of base support items with worldwide application, to include but not limited to: aircraft arresting systems; electronic test stations; expandable and nonexpandable shelters; non-deployable and deployable shelters; pipe bending machines; electronic test set groups; Fuels Support Equipment (FSE)//and Fuels Operational Readiness Capability Equipment (FORCE); and heat treating furnaces. This equipment provides prime support for all base missions. Lack of funding for these equipment items limits maintenance capabilities, testing functions, anti-terrorism/security missions, communications capabilities, flight operations, and the ability of Air Force units to meet deployment requirements.

Program elements associated with this P-1 Line are: 0202834F, 0207142F, 0208031F, 0401221F, 0402834F, 0502834F, 0502844F, 0702834F, 0802834F.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.954	16.437	29.260	9.800	39.060	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	1.078	-	1.078	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	0.139	-	0.139	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment					P-1 Line Item Number / Title: 845990 / Items Less Than \$5 Million					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:				Other Related Program Elements:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	1.954	16.437	30.477	9.800	40.277	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment					P-1 Line Item Number / Title: 845990 / Items Less Than \$5 Million			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
FSE / FORCE	P-40a	A	- / -	- / -	- / 10.965	- / 23.164	- / 9.800	- / 32.964
PMA OTHER GOVERNMENT COSTS	P-40a	A	- / -	- / -	- / 0.010	- / 0.037	- / -	- / 0.037
FSC 1710 AIRCRAFT ARRESTING SYSTEM	P-40a	A	- / -	1 / 1.223	10 / 3.689	6 / 1.874	- / -	6 / 1.874
IPE EQUIPMENT	P-40a	A	- / -	- / -	- / -	5 / 2.503	- / -	5 / 2.503
NON EXPANDABLE SHELTER	P-40a	A	- / -	- / -	- / -	2 / 1.078	- / -	2 / 1.078
GENERATOR POWER PLANT	P-40a	A	- / -	- / -	- / -	1 / 0.176	- / -	1 / 0.176
AFPSL VNA STATION UPGRADE	P-40a	A	- / -	1 / 0.300	- / -	- / -	- / -	- / -
DEPLOYABLE DEBRIEF FACILITIES (DDF)	P-40a	A	- / -	- / 0.431	- / 1.773	- / 1.645	- / -	- / 1.645
Total Gross/Weapon System Cost			- / -	- / 1.954	- / 16.437	- / 30.477	- / 9.800	- / 40.277
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
<p>Justification:</p> <p>FY16 procurement dollars in the amount of \$30.477M procures 6 Aircraft Arresting Barriers, 1 F-35 Air System Deployable Debrief Facilities, 5 Industrial plant equipment, 1 generator power plant, 2 nonexpandable shelters, Fuels Support Equipment (FSE) and Fuels Operational Readiness Capability Equipment (FORCE) in support of installation and unit mission requirements for Air Force personnel.</p> <p>FY16 OCO dollars in the amount of \$9.100M procures Fuels Support Equipment (FSE) and Fuels Operational Readiness Capability Equipment (FORCE) in support of installation and unit mission requirements for Air Force personnel.</p>								

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force															Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 04 / 5								P-1 Line Item Number / Title: 845990 / Items Less Than \$5 Million							Aggregated Items Title: Items Less Than \$5 Million					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
FSE / FORCE	A		-	-	-	-	-	-	-	-	10.965	-	-	23.164	-	-	9.800	-	-	32.964
Secondary Distribution																				
AF				-	-		-	-		-	10.965		-	23.164		-	9.800		-	32.964
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	-	-	-	0.010	-	-	0.037	-	-	-	-	-	0.037
Secondary Distribution																				
AF				-	-		-	-		-	0.010		-	0.037		-	-		-	0.037
FSC 1710 AIRCRAFT ARRESTING SYSTEM	A		-	-	-	1.223	1	1.223	0.369	10	3.689	0.312	6	1.874	-	-	-	0.312	6	1.874
Secondary Distribution																				
AF				-	-		1	1.223		10	3.689		6	1.874		-	-		6	1.874
IPE EQUIPMENT	A		-	-	-	-	-	-	-	-	-	0.501	5	2.503	-	-	-	0.501	5	2.503
Secondary Distribution																				
AF				-	-		-	-		-	-		4	2.364		-	-		4	2.364
AFNG				-	-		-	-		-	-		-	-		-	-		-	-
AFR				-	-		-	-		-	-		1	0.139		-	-		1	0.139
NON EXPANDABLE SHELTER	A		-	-	-	-	-	-	-	-	-	0.539	2	1.078	-	-	-	0.539	2	1.078
Secondary Distribution																				
AF				-	-		-	-		-	-		-	-		-	-		-	-
AFNG				-	-		-	-		-	-		2	1.078		-	-		2	1.078
AFR				-	-		-	-		-	-		-	-		-	-		-	-
GENERATOR POWER PLANT	A		-	-	-	-	-	-	-	-	-	0.176	1	0.176	-	-	-	0.176	1	0.176
Secondary Distribution																				
AF				-	-		-	-		-	-		1	0.176		-	-		1	0.176
AFPSL VNA STATION UPGRADE	A		-	-	-	0.300	1	0.300	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution																				
AF				-	-		1	0.300		-	-		-	-		-	-		-	-
DEPLOYABLE DEBRIEF FACILITIES (DDF)	A		-	-	-	-	-	0.431	-	-	1.773	-	-	1.645	-	-	-	-	-	1.645
Secondary Distribution																				
AF				-	-		-	0.431		-	1.773		-	1.645		-	-		-	1.645
Subtotal: Uncategorized																				
			-	-	-	-	-	1.954	-	-	16.437	-	-	30.477	-	-	9.800	-	-	40.277

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Air Force																Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 04 / 5								P-1 Line Item Number / Title: 845990 / Items Less Than \$5 Million								Aggregated Items Title: Items Less Than \$5 Million			

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	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			-	-	-	-	-	1.954	-	-	16.437	-	-	30.477	-	-	9.800	-	-	40.277

Remarks:

Unit Costs for FY16 are assumed and are subject to change.

PMA - Other Gouvernement Cost consists of Travel.

FY15 funding total included OCO in the amount of \$10.975M to procure Fuels Support Equipment (FSE)and Fuels Operational Readiness Capability Equipment (FORCE)//consisting of 43 fuel bladders, 2 aerial bulk fuel delivery systems, 2 cryogenics storage tanks, 21 R-18 pumping units, 17 R-19 filter separators, 13 R-20 multi-aircraft servicing platforms, 12 R-21 plumbing assemblies, and 1 PMU-27M pump in support of installation and unit mission requirements for Air Force personnel.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 6: Special Support Projects							P-1 Line Item Number / Title: 846070 / DARP RC135					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	20.577	24.710	25.072	-	25.072	25.496	25.933	26.393	26.861	-	175.042
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	20.577	24.710	25.072	-	25.072	25.496	25.933	26.393	26.861	-	175.042
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	20.577	24.710	25.072	-	25.072	25.496	25.933	26.393	26.861	-	175.042
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description: Detailed information on the DARP RC-135 program remains classified and will be provided on a need-to-know basis. For further information, please contact AF/A2RM, (703) 614-7317.</p> <p>This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.</p> <p>The program element associated with this P-1 Line is: 0305207F</p>												
<p>Justification: DARP RC-135 program remains classified and will be provided on a need-to-know basis.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 6: Special Support Projects							P-1 Line Item Number / Title: 846080 / DCGS-AF					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	115.620	206.743	183.021	-	183.021	170.602	167.189	158.753	151.272	-	1,153.200
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	115.620	206.743	183.021	-	183.021	170.602	167.189	158.753	151.272	-	1,153.200
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	115.620	206.743	183.021	-	183.021	170.602	167.189	158.753	151.272	-	1,153.200
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description: Detailed information on DCGS-AF remains classified and will be provided on a need-to-know basis. For further information, please contact, AF/A2RM, (703) 697-4723.</p> <p>This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.</p> <p>This program element is associated with the following P-1 Lines: 0305208F, 0305240F.</p>												
<p>Justification: DCGS-AF remains classified and will be provided on a need-to-know basis.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 6: Special Support Projects	P-1 Line Item Number / Title: 846510 / Special Update Program
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	451.385	537.370	629.371	-	629.371	523.176	680.679	641.741	551.660	-	4,015.382
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	451.385	537.370	629.371	-	629.371	523.176	680.679	641.741	551.660	-	4,015.382
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	451.385	537.370	629.371	-	629.371	523.176	680.679	641.741	551.660	-	4,015.382
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

Justification:

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 6: Special Support Projects							P-1 Line Item Number / Title: 846570 / Defense Space Reconnaissance Prog.					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	145.409	83.998	100.663	28.070	128.733	16.890	17.094	16.977	16.970	-	426.071
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	145.409	83.998	100.663	28.070	128.733	16.890	17.094	16.977	16.970	-	426.071
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	145.409	83.998	100.663	28.070	128.733	16.890	17.094	16.977	16.970	-	426.071
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Detailed information on DSRP remains classified and will be provided on a need-to-know basis.												
Justification: Detailed information on DSRP remains classified and will be provided on a need-to-know basis.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 05: Spares and Repair Parts / BSA 1: Spares And Repair Parts							P-1 Line Item Number / Title: 861900 / Spares and Repair Parts					
ID Code (A=Service Ready, B=Not Service Ready) :				Program Elements for Code B Items:				Other Related Program Elements:				
Line Item MDAP/MAIS Code:		Item MDAP/MAIS Code(s): 199, 166										
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	21.096	32.813	59.863	-	59.863	61.677	37.755	59.615	60.972	-	333.791
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	21.096	32.813	59.863	-	59.863	61.677	37.755	59.615	60.972	-	333.791
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	21.096	32.813	59.863	-	59.863	61.677	37.755	59.615	60.972	-	333.791
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>Initial Spares consist of reparable components, assemblies, subassemblies, and consumable items required as initial stock (including readiness spares package requirements) in support of newly fielded vehicles, communications electronics and telecommunications equipment, and other base maintenance and support equipment items. Requirements are determined by applying established factors against the acquisition cost of the end items. The factors are based on historical data of similar equipment, employment/deployment concepts, production schedules, and other related information.</p> <p>This line contains funding for the following Major Defense Acquisition Programs (MDAP):</p> <p>MILSATCOM Terminals, 199 NAVSTAR Global Positioning System, 166</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 05: Spares and Repair Parts / BSA 1: Spares And Repair Parts					P-1 Line Item Number / Title: 861900 / Spares and Repair Parts		
ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:		Other Related Program Elements:		
Line Item MDAP/MAIS Code:		Item MDAP/MAIS Code(s): 199, 166					

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Spares and Repair Parts	P-18		- / -	- / 21.096	- / 32.813	- / 59.863	- / -	- / 59.863
Total Gross/Weapon System Cost			- / -	- / 21.096	- / 32.813	- / 59.863	- / -	- / 59.863

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Spares and Repair Parts	P-18		- / 61.677	- / 37.755	- / 59.615	- / 60.972	- / -	- / 333.791
Total Gross/Weapon System Cost			- / 61.677	- / 37.755	- / 59.615	- / 60.972	- / -	- / 333.791

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-18 Title for Spares.

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

Justification:
In FY 2016, FAB-T and SSA Ops have large initial spare requirements.

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 05 / 1				P-1 Line Item Number / Title: 861900 / Spares and Repair Parts						Name: Spares and Repair Parts		
End Item Line Item Number / Name [MDAP/MAIS]	Prior Years (\$ M)	FY 2014 (\$ M)	FY 2015 (\$ M)	FY 2016 Base (\$ M)	FY 2016 OCO (\$ M)	FY 2016 Total (\$ M)	FY 2017 (\$ M)	FY 2018 (\$ M)	FY 2019 (\$ M)	FY 2020 (\$ M)	To Complete (\$ M)	Total (\$ M)
Initial												
BA 05 - Spares and Repair Parts												
833010 / Air Traffic Control, Approach, and Landing System (ATCALs)	-	2.753	5.987	2.775	-	2.775	6.913	4.741	2.110	2.449	-	27.728
861900 / C-17 AIRCRAFT (IF)	-	-	1.069	1.100	-	1.100	-	-	-	-	-	2.169
834190 / COMBAT TRAINING RANGES, PE 0207429F	-	3.102	0.900	0.101	-	0.101	1.582	1.170	0.679	0.691	-	8.225
845420 / Expeditionary Airfield Basing Assets	-	1.150	1.462	1.807	-	1.807	2.042	1.955	2.205	2.244	-	12.865
861900 / Spares and Repair Parts	-	-	-	44.436	-	44.436	39.419	24.417	49.942	50.827	-	209.041
835070 / Information Systems Security Program	-	9.575	4.567	1.987	-	1.987	3.657	2.458	1.763	1.795	-	25.802
836780 / MILSATCOM Terminals [199]	-	-	12.267	0.054	-	0.054	-	-	-	-	-	12.321
836730 / NAVSTAR Global Positioning System (Space and Control Segments) [166]	-	0.252	0.309	0.533	-	0.533	0.470	0.419	0.427	0.435	-	2.845
838010 / NCMC - TW/AA System	-	0.501	0.901	0.877	-	0.877	0.815	0.829	0.844	0.858	-	5.625
836770 / Spacelift Range System (SPACE)	-	2.617	3.136	-	-	-	-	-	-	-	-	5.753
833010 / SSA Ops	-	-	-	4.868	-	4.868	4.861	-	-	-	-	9.729
833070 / WEATHER OBSERVATION/FORECAST, PE 0305111F	-	1.146	1.605	0.278	-	0.278	0.990	0.939	0.803	0.817	-	6.578
861900 / Worldwide Joint Strategic Communications	-	-	0.610	1.047	-	1.047	0.928	0.827	0.842	0.856	-	5.110
<i>Subtotal: Initial</i>	-	21.096	32.813	59.863	-	59.863	61.677	37.755	59.615	60.972	-	333.791
<i>Total Working Capital Fund Spares</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Exempt Spares</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Cost (Initial + Replenishment)	-	21.096	32.813	59.863	-	59.863	61.677	37.755	59.615	60.972	-	333.791

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